

ASUS Control Center

User Guide

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Abou	ut this gui	ide	ix
Cha	pter 1:	Getting Started	
1.1	Introdu	uction to ASUS Control Center	1-2
	1.1.1	How ASUS Control Center works	1-2
	1.1.2	ASUS Control Center Licensing	1-3
1.2	Install	ation	
	1.2.1	Setting up the Hypervisor Environment	1-5
	1.2.2	Importing the OVA file	1-7
1.3	Initialia	ze settings	1-9
	1.3.1	Initialize startup settings	1-9
	1.3.2	Logging in to ASUS Control Center	1-12
1.4	ASUS	Control Center layout	
	1.4.1	Banner	1-13
		Logo	1-13
		Feedback	1-14
		Multiple Language	1-14
		About	1-14
		Mission Center	1-15
		Account Information	
	1.4.2	Menu	1-16
Cha	pter 2:	Monitor	
2.1	Syster	n Overview	2-2

.1	Systen	n Overview	2-2
	2.1.1	Status Dashboard	2-3
		Connection overview	2-4
		Hardware Sensor overview	2-5
		Utilization overview	2-6
		Event Log overview	2-7
	2.1.2	Devices list	2-8
		Setting power control (Action)	2-9
		Auto Refreshing the devices list (Auto Refresh)	2-10
		Exporting devices list (Export)	2-10
	2.1.3	Options	2-11
		Hiding or displaying metadata fields	2-11
		Using the Row Groupings function	2-12
		Accessing remote desktop	2-13

	2.1.4	Search and Filter devices	2-16
		Filter devices using the Overview Circle	2-16
		Filter devices using the Search Bar	2-17
		Filter devices using the Advanced Event Log	2-19
		Filter devices using Column Headers	2-20
2.2	Device	Information	2-21
	2.2.1	Hardware Sensor	2-23
	2.2.2	Utilization	2-25
		Editing the threshold values	2-26
	2.2.3	Inventory	2-27
	2.2.4	BMC	
		Edit BMC using ASMB	
	2.2.5	Software	2-30
		Application	
		Services (Windows only)	
		Processes	
		Environment Variables (Windows only)	2-35
		Software Market	2-36
	2.2.6	Event Log	2-37
		Filtering the Event Log using the Advanced Search	2-40
	2.2.7	BIOS	
		BIOS Flash	2-44
		BIOS Setting	2-49
		DMI Info	2-50
	2.2.8	Security	2-51
		Registry Editor (Windows only)	2-52
		USB Storage Device (Windows only)	
		Watchdog	2-53
	2.2.9	Configuration	2-54
		Agent Configuration	
		Agent Uninstall Password	2-56
2.3	VM Ov	erview	2-57
		Exporting VMware vSphere Hypervisors list	2-58
2.4	Host Ir	nformation	2-59
		Exporting VM Information	2-60
		Setting Power Control	
		Accessing remote desktop	2-62

Chapter 3: Deployment

3.1	Agent	Management	3-2
	3.1.1	Deploy Agents	3-3
		Adding a single device	3-4
		Adding multiple devices	
		Exporting Deployment Management list	3-11
		Agent deployment conditions and settings	3-12
	3.1.2	Scan and Deploy	3-14
		Scanning for managed devices and deploying agents	3-15
	3.1.3	Remove agents	3-20
		Remove agents using ASUS Control Center	3-20
		Remove Windows Agent from local device	3-22
		Remove Linux Agent from local device	3-25
	3.1.4	Windows Agent	3-28
		Install Windows agents manually	3-28
	3.1.5	Linux Agent	3-32
		Install Linux agents manually	3-32
	3.1.6	Agent Deploy Report	3-36
3.2	Agentl	ess Management	3-37
	3.2.1	Add vSphere	3-38
		Adding a single vSphere	
		Adding multiple vSphere hypervisors	
		Exporting VMware vSphere Host List	
	3.2.2	Remove vSphere	

Chapter 4: Centralized

4.1	Metada	ata Management	4-2
		Adding metadata fields	
		Editing metadata fields	
		Deleting metadata fields	
		Editing the metadata value of a single device	
		Editing the metadata value of multiple devices	
		Exporting the metadata value	4-11
4.2	BIOS F	Flash Management	4-12
	4.2.1	BIOS Cache	4-13
		Adding a BIOS cap file to the BIOS Cache	
		Removing BIOS cap files from BIOS Cache	

	4.2.2	BIOS Flash Task	4-15
		Manually uploading the BIOS cap file	4-15
		Selecting the BIOS cap file from the BIOS cache	4-17
	4.2.3	BIOS Flash Task Report	4-20
4.3	Securi	ty Management	4-21
4.4	Softwa	are Dispatch	4-23
	4.4.1	Software Pool	4-24
		Adding software packages to the Software Pool	4-24
		Removing software packages from the Software Pool	4-27
	4.4.2	Software Dispatch Task	4-28
		Dispatching software packages to devices	4-29
	4.4.3	Software Dispatch Task Report	4-31
4.5	Task S	Scheduler	4-32
		Task Scheduler Overview	4-33
		Adding a scheduled task	4-35
		Editing a scheduled task	4-42
		Deleting a scheduled task	
4.6	Power	Control	4-43

Chapter 5: Report

5.1	Softwa	Software Report	
	5.1.1	Software Inventory	5-2
		Refetch Application	5-3
		Filter newly installed applications	5-3
		Search for applications using keywords	5-4
	5.1.2	Trust List	5-9
	5.1.3	Focus List	5-14
	5.1.4	Subscription Report	5-18
5.2	Task Report		5-29
	5.2.1	Software Dispatch Report	5-30
	5.2.2	BIOS Flash Report	5-30
	5.2.3	Agent Update Report	5-31
	5.2.4	Agent Deploy Report	5-31

Chapter 6: Notification

6.1	SMTP Settings	6-2
	To set up the SMTP Server:	6-3

6.2 Rule Management		6-6	
		Adding a new rule	6-7
		Deleting a notification rule	6-14
6.3	Asset C	Changes	6-15
	6.3.1	Software Asset	6-16
	6.3.2	Hardware Asset	6-18
Chap	ter 7: A	Account Management	
7.1	Role Pr	ivilege Management	7-2
		Adding a new role	7-3
		Editing a role	7-6
		Deleting a role	7-8
7.2	Accoun	nts Management	7-10
		Adding a new account	7-11
		Editing an account	7-14
		Deleting an account	7-15
Chap	ter 8: C	Options	
8.1	Genera	I Configuration	8-2
		Adjusting items on the General configurations pag	e 8-2
8.2	Networ	k Configuration	8-4
		Adjusting the Network configurations	
8.3	Appear	ance Configuration	8-6
		Setting a custom banner logo	
		Resetting the banner logo	
8.4	Security	y Configuration	8-9
		Setting a new Password	
		Editing the Password	
		Disabling the Password	
8.5	Baakun	e & Restore	8-12
	Баскир		
	Баскир	Setting the periodic backup	
	Баскир		
8.6		Setting the periodic backup	8-17
8.6		Setting the periodic backup Restoring the backup file	8-17 8-19

8.7	DBExpo	ose Configuration8-21
		To set the DBExpose account and password
		To edit the DBExpose account information
		To delete the DBExpose account information
		Using a third-party software to access ASUS Control Center . 8-24
8.8	Sensor	Threshold Configuration8-26
		Adjusting the Disk S.M.A.R.T. status configurations
Chap	ter 9: L	icense
9.1	License	Information
		Importing a License key9-3
Chap	ter 10:	Update
10.1	Update.	
	10.1.1	Update Task10-3
		Updating Windows and Linux agents
		Updating ASUS Control Center main server
	10.1.2	Agent Update Report10-8
Appe	ndix	
Systen	n Require	ements A-2
-	•	Hardware Host Server RequirementsA-2

	Managed Clients Requirements	A-3
ASUS contact inform	ation	A-4

About this guide

Audience

This user guide is intended for system integrators, and experienced users with basic knowledge of configuring a server.

Contents

This guide contains the following parts:

Chapter 1: Getting Started

This chapter provides an overview of ASUS Control Center, as well as the installation and initialization of the ASUS Control Center.

Chapter 2: Monitor

This chapter describes the various monitoring tools and options available.

Chapter 3: Deployment

This chapter describes how to deploy ASUS Control Center agents and remove agents through Microsoft[®] Active Directory or manually. You may also add and manage agentless VMware.

Chapter 4: Centralized Management

This chapter describes centralized management of metadata, BIOS flash, security, software, tasks, and power control of ASUS Control Center managed devices.

Chapter 5: Report

This chapter describes the various reports ASUS Control Center generates from tasks and software related subscriptions.

Chapter 6: Notification

This chapter describes setting the notifications and SMTP Server

Chapter 7: Account Management

This chapter describes how to add and edit accounts and roles for different users.

Chapter 8: Options

This chapter describes system configuration options, and also backup and maintenance configurations.

Chapter 9: Options

This chapter describes the license settings.

Chapter 10: Update

This chapter describes the main system and agent update configurations.

Appendix

This appendix includes additional information on system requirements and contact information.

Conventions

To make sure that you perform certain tasks properly, take note of the following symbols used throughout this manual.



DANGER/WARNING: Information to prevent injury to yourself when trying to complete a task.



CAUTION: Information to prevent damage to the components when trying to complete a task.

(E)

IMPORTANT: Instructions that you MUST follow to complete a task.



NOTE: Tips and additional information to help you complete a task.

Typography

Bold text	Indicates a menu or an item to select.
Italics	Used to emphasize a word or a phrase.
<key></key>	Keys enclosed in the less-than and greater-than sign means that you must press the enclosed key.
	Example: <enter> means that you must press the Enter or Return key.</enter>
<key1>+<key2>+<key3></key3></key2></key1>	If you must press two or more keys simultaneously, the key names are linked with a plus sign (+).
	Example: <ctrl>+<alt>+</alt></ctrl>
Command	Means that you must type the command exactly as shown, then supply the required item or value enclosed in brackets.
	Example: At the DOS prompt, type the command line: format A:/S

Reference

Visit the ASUS websites worldwide that provide updated information for all ASUS hardware and software products. Refer to the ASUS contact information for details.

Chapter 1

This chapter provides an overview of ASUS Control Center, and how to install it.

Getting Started

1.1 Introduction to ASUS Control Center

Welcome! The ASUS Control Center is a server management solution that gives a vital distinction to our servers, and is also compatible with our ASUS commercial products. In server management, system stability is a major factor, with efficiency, cost-effectiveness, and convenience following close behind. To comply with this, we have created a reliable and user-friendly monitoring tool. The ASUS Control Center is a web-based interface that allows system administrators to conveniently manage computers either locally or remotely using a web-browser. With its colorful, graphical, and informative interface, the ASUS Control Center makes server management a delightful experience!

1.1.1 How ASUS Control Center works

The ASUS Control Center is composed of "agents" that generally act as data collectors, and a set of HTTPS web pages that serve as the user interface (UI). The data collected by the agent, which are essential for the continuous monitoring operations performed by ASUS Control Center, are displayed in the UI.

In the monitoring process, the agent basically keeps track of the hardware and software status of the system. The agent has "sensors" that monitor fan rotation speeds, working voltages, motherboard and CPU temperatures, and the backplane (if present).

In addition, the agent also monitors hard disk drives health status through the S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) feature, space utilization of a file system, CPU or system memory loading, and even the traffic status of a network device.

The agent records the history of the detected status of all monitored hardware items. The status record includes the time of alert events (fan, voltage, or temperature), and the type of alert event (critical, warning, or normal).

You can also configure ASUS Control Center to react to exceptional situations. For example, the administrator can be automatically notified by e-mail when a hard drive starts to malfunction or when a chassis intrusion is detected. In this way, ASUS Control Center acts as an active guardian of the system's key components.

1.1.2 ASUS Control Center Licensing

ASUS Control Center provides three license editions:

- Classic edition for assisting management on ASUS servers and workstations.
- CSM edition for ASUS Corporate Stable Model for enterprises, medium, or small businesses.
- Enterprise edition for a comprehensive management on ASUS servers and workstations, and all supported ASUS commercial products.



For more information on the licensing options, please refer to <u>https://</u> asuscontrolcenter.asus.com and <u>https://www.asus.com/Microsite/csm</u>.

Features		Classic	CSM	Enterprise
Banner	Mission Center	\checkmark	\checkmark	
	System Overview	\checkmark	\checkmark	\checkmark
Monitor (Overview)	VM Overview	-	-	\checkmark
	Host Information	-	-	
	Device Information		Partial functions unavailable	
	Hardware Sensor		\checkmark	
	Utilization		\checkmark	
	Inventory	-	\checkmark	
	Event Log	Partial functions unavailable	Partial functions unavailable	
Monitor (one node)	Software	Partial functions unavailable	\checkmark	
	BMC		-	
	BIOS	Partial functions unavailable	\checkmark	
	Security	Partial functions unavailable	\checkmark	
	Configuration	Partial functions unavailable	Partial functions unavailable	
Deployment	Agent Management		*	\checkmark
	Agentless Management	-	-	
	Metadata Management		\checkmark	
	BIOS Flash Management	Partial functions unavailable	\checkmark	
Centralized	Security Management	-	\checkmark	\checkmark
Centralized	Software Dispatch	Partial functions unavailable	\checkmark	
	Task Scheduler	-	\checkmark	
	Power Control	-	-	
Report	Software Report	-	Partial functions unavailable	
neport	Task Report	Partial functions unavailable	Partial functions unavailable	

(continued on the next page)

Features		Classic	CSM	Enterprise
	SMTP Settings			\checkmark
Notification	Rule Management	\checkmark	\checkmark	\checkmark
	Asset Changes	-	-	\checkmark
Account	Role Privilege	-	\checkmark	\checkmark
Account	Accounts Management	-	√	\checkmark
Options	General Configuration	\checkmark	\checkmark	\checkmark
	Network Configuration	\checkmark	\checkmark	\checkmark
	Appearance Configuration	-	\checkmark	\checkmark
	Security Configuration	-	-	\checkmark
	Maintenance		√	\checkmark
	DBExpose Configuration	-	-	\checkmark
	Sensor Threshold		\checkmark	
License	License		√	\checkmark
Update	Update			

* Please contact your local ASUS Sales representative and/or TPM for more information on the availability of other functions this feature supports.

1.2 Installation

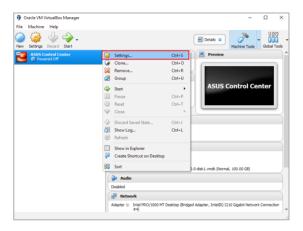
ASUS Control Center is a virtual appliance running on a virtual machine (VM), with all required services and settings pre-installed. The system requirements can be found in the **Appendix** section of this manual.

To install the ASUS Control Center on the Oracle VirtualBox, follow the steps below:

1.2.1 Setting up the Hypervisor Environment

A message may appear when starting up the VM for the first time, follow the steps below to set up the network settings:

1. Launch your VM, then right click on the OVA and select Settings.



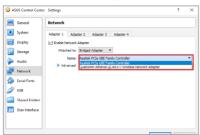
2. Select **Network** from the menu list on the left, then select **Bridged Adapter** in the **Attached to:** field.

ASUS Control Center	Settings	?	×
General	Network		
System	Adapter 1 Adapter 2 Adapter 3 Adapter 4		
Display Storage	Chable Network Adapter Attached to: Bridged Adapter		
Audio	Name: Nat attached NAT Advanced Wolfsel Advanced		٠
Network Serial Ports	Internal Network Host-only Adapter Generic Driver		
9 USB			
Shared Folders			
User Interface			



Ensure your system meets the system requirements listed in the **Appendix** chapter.

3. Select the Network card you are currently using and has an Internet connection from the drop down menu in the **Name:** field.



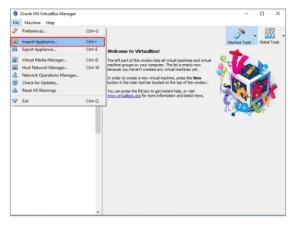
1.2.2 Importing the OVA file



Oracle Virtualbox will be used as an example for Hypervisor related items.

1. Download Oracle VirtualBox and the ASUS Control Center OVA file.

- Į
- Please refer to <u>http://www.oracle.com/technetwork/server-storage/virtualbox/downloads/index.html</u> to download Oracle VirtualBox.
- Please refer to <u>https://asuscontrolcenter.asus.com</u> to download the ASUS
 Control Center OVA file.
- 2. Install and launch Oracle VirtualBox, then select File > Import Appliance... to launch the Import Virtual Appliance wizard.



3. Select the OVA file to import (A) and click Next (B).



- 4. Ensure the Guest OS Type is set to Red Hat (64-bit) (A).
- 5. Check the **Reinitialize the MAC address of all network cards** checkbox (B), then click **Import** (C).

~	Import Virtual Applia			
	Appliance setting	s		
	settings of the imported	VirtualBox mad	ed in the appliance and the suggest hines. You can change many of the the items and disable others using t	
	Virtual System 1			
	🍪 Name		ASUS Control Center	
	Version		1.0.0.0	
A	📃 Guest OS Typ	e	🚰 Red Hat (64-bit)	
\mathbf{r}	CPU		4	
	🕼 RAM		8192 MB	
	💿 DVD		\checkmark	
	🗊 Network Ada	pter	Intel PRO/1000 MT Desktop	(825
	🛇 Storage Cont	roller (IDE)	PIIX4	
	🛇 Storage Cont	roller (IDE)	PIIX4	
	👻 🥔 Storage Cont	roller (SATA)	AHCI	
	🙆 Virtual Di	sk Image	C:\Users\En-Us\VirtualBox VMs\	ASU
B	Reinitialize the MAC Appliance is not signed	address of all n	etwork cards	
		Restore	Defaults Import Ca	ncel

- 6. Wait for the appliance to be imported. This may take a few minutes.
- 7. Select the VM on the list, then click Start on the toolbar to start the VM.



- The minimum requirements for VM is as follows:
- 4 vCPU
- 8 GB RAM
- 100GB HDD



If your **Oracle VirtualBox** installation was unsuccessful, please check the following:

• VT-x: BIOS > Advanced > Intel Virtualization Technology > Enabled

My Favorites	Main	Al Tweaker	Advanced	Monitor	Boot	Tool		C Hardes	are Monio
							I		
							I		
							I		
							I		
Hyper-threading					fnabled		 •	Capacity 4014 MR	
Active Processor C	lones				Al		•		
Intel Virtualization	Technolog	y .			fnabled		•		
Hardware Prefetd	her				Enabled		•	+12V 11.964 V	
					-				
	itti can utiliz	e the additional har	dware capabilities	provided by Va	nderpoolTech	nology		3.416 7	

• Network Card: Select the network connection you are currently using.

1.3 Initialize settings

Once your ASUS Control Center is installed successfully, you will need to initialize the ASUS Control Center settings such as edition, time zone, account and password, and network settings.

1.3.1 Initialize startup settings

Once ASUS Control Center has launched, follow the steps below to initialize startup settings:

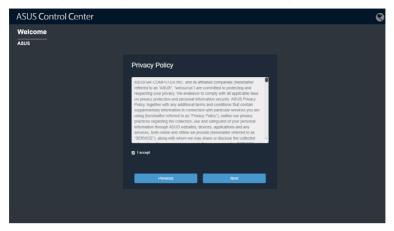


The information entered in this section is for reference only.

1. Read through the end user license agreement, check **I accept**, then click **Next**.



2. Carefully read through the Privacy Policy, check I accept, then click Next.



3. Select the **Product Edition**.



For more information on the CSM version, please visit <u>https://www.asus.com/</u> microsite/csm/.

4. Enter the **Company Name**, then select the **Time Zone**. Click on **Next** once you are finished.



When setting the **Time Zone**, ensure that the time zone selected matches the time zone displayed on the physical device which has Oracle Virtualbox installed.

ASUS Control Center			Q
Welcome Asus			
	General Setting		
	Product Edition	● Classic ● CSM	
	Company Name	ASUS	
	Time zone	(UTC+08:00) Talpel •	
	Previous	Next	

- 5. Enter and initialize the password, then click Next.
- Q
- The default ASUS Control Center administrator account is Administrator.
- You password should contain at least 8 characters, and constist of at least one lower case letter, one upper case letter, one digit, and a special character.

ASUS Control Center			(0
Welcome ASUS				
	Set up the Passwo	rd		
	Account	Administrator		
	Password	•••••	Ø	
	Confirm Password	•••••	Ø	
	Previous	Next		

6. Set the network configurations and Host Name, then click **Submit** once you are finished with all the settings.



If **Static** is selected, the IP Address and Subnet Mask should be filled in manually. If **DHCP** is selected, the IP Address and Subnet Mask will automatically be filled in.

ASUS Control Center			Q
Welcome Asus			
	Set up the Network		
	Host Name	ACC-TUTOR	
	Address Assignment	Static DHCP	
	IP Address	10.10.75.200	
	Subnet Mask	255.255.255.0	
	Default Gateway	10.10.75.1	
	DNS	Auto Manual	
	Preferred DNS Server	10.10.75.81	
	Alternate DNS Server	168.95.1.1	
	Previous	Submit	

1.3.2 Logging in to ASUS Control Center



The Host Name: **ACC-TUTOR**, and IP Address: **10.10.75.200** used in this section are for reference only.



To login ASUS Control Center:

1. Open a web browser and key in the main server URL (include the Host Name or IP) to enter ASUS Control Center web console. Please refer to the table below for the main server URL format and examples:

Transfer Protocol	URL Template	Example 1 (Host Name)	Example 2 (IP)
нттр	http://HostName(IP)/ACC	http://ACC-TUTOR/ACC	http://10.10.75.200/ACC
HTTPS (secure)	https://HostName(IP)/ACC	https://ACC-TUTOR/ACC	https://10.10.75.200/ACC

19

- The ACC in the URL is case sensitive, ensure to use all caps when entering ACC to the URL.
- The export files and import files functions are disabled when using the ACC through VM. For optimal experience, we recommend using an Internet browser installed on the host system to enter the main server URL when using the functions mentioned in this guide.
- 2. Enter your **Account** and **Password**. Click **Login** to enter ASUS Control Center.

1.4 ASUS Control Center layout

The main control panel of the ASUS Control Center user interface is displayed as below:



Content window

1.4.1 Banner

The banner features the logo of ASUS Control Center, as well as some quick functions such as the language option or the mission center.

Logo

You can customize the logo of your ASUS Control Center. For more details on customizing the logo for ASUS Control Center, please refer to **8.3 Appearance Configuration**.

Feedback

Click in the top right corner of the banner to bring up the ASUS Control Center Feedback window. You can provide feedback regarding your experience or on issues, and also upload screenshots using the feedback window.

Multiple Language

Click 💽 in the top right corner of the banner, then select a language to change the language of ASUS Control Center. The languages currently supported are as follows: English, Traditional Chinese, Simplified Chinese, Japanese, Korean, German, Spanish, French, and Russian.

About

Click 🚺 in the top right corner of the banner for information such as the version, and support site of ASUS Control Center. You can also scan the QR code for the mobile website version of ASUS Control Center. If you have multiple network cards, and have set the network configurations for all of them, you can slide and view the different networks and scan the QR codes to access the mobile website version of ASUS Control Center.



For more information on setting the network configurations for all network cards, please refer to **8.2 Network Configuration**.



Mission Center

Click in the top right corner of the banner to access the **Mission Center**. The Mission Center automatically lists pending actions that still need to be configured on devices, such as devices which still need to be restarted after a BIOS Flash, or devices which need to be restarted in order for updates to take effect. Events or pending actions will be denoted by a blue notification circle on the **Mission Center** icon; the amount of events or pending actions will also be displayed.



Account Information

Click A in the top right corner of the banner, you can click on **Logout** to logout of the currently logged in account, or click on **Settings** to be redirected to the **Accounts Management** screen.



For more details on Accounts Management, please refer to **7.2 Accounts** Management.

1.4.2 Menu

Main Menu	Submenu	Description		
Monitor	System Overview	Displays activity alerts and event logs to monitor server components in real time. You can also access the various functions, such as BMC settings, BIOS settings and more of a single device from the System Overview.		
	VM Overview	Displays the status and information of the hosts, and all VMs on the host device. You can also perform some functions on the vSpheres such as power controls.		
Deployment	Agent Management	To remotely deploy Windows or Linux agents, or install these agents manually for effective monitoring. You can also remove agents from Windows and Linux OS managed devices.		
	Agentless Management	Add agentless vSphere to be monitored automatically periodically, or remove the vSphere from managed devices.		
	Metadata Management	Customize device metadata such as device location.		
	BIOS Flash Management	Centralized management of BIOS, and BIOS flashing of multiple devices simultaneously.		
	Security Management	Manage security settings for multiple devices at the same time		
Centralized	Software Dispatch	Dispatch software packages to be installed on devices, or add software packages to the Software Pool for easy access later.		
	Task Scheduler	Schedule specified tasks such as software dispatching, power on or off, security control, and service control for selected devices to be executed at set times		
	Power Control	Control the power options of all managed devices (except for vSphere).		
Report	Software Report	View and manage all software installed on managed devices. You can also set trust lists or focus lists for these software and receive notifications regarding new software installations.		
	Task Report	View the reports for the task status and progress for Software Dispatch, BIOS Dispatch, Agent Update, and Agent Deploy.		
	SMTP Settings	Configure SMTP Server settings to send notifications for server alert events		
	Rule Management	Setting notification rules for the administrator		
Notification	Asset Changes	Set notification methods when there are software changes such as an installation of a software not on the trust list, or when there are hardware anomalies that do not adhere to company policies.		

(continued on the next page)

Main Menu	Submenu	Description
	Role Privilege Management	Create and edit permissions for roles, which you may assign to accounts.
Account	Accounts Management	Add or manage accounts, and also assign roles to these accounts which determine what permissions these accounts have.
	General Configuration	Set the Time zone, and refreshment interval of main server and agent.
	Network Configuration	Set network configurations for ASUS Control Center, and also the settings for the network cards (if there are multiple).
	Appearance Configuration	Customize the banner logo for ASUS Control Center.
	Security Configuration	Set a password for agent removal from Windows system managed devices.
Options	Backup & Restore	Backup or restore ASUS Control Center settings for ACC Physical Appliances.
	Maintenance	Displays information on the VM with ASUS Control Center, and also allows you to control the power options for this device, as well as the services running on VM.
	DBExpose Configuration	Set an account and password which will allow third- party database, such as MySQL to access the data in ASUS Control Center.
	Sensor Threshold Configuration	Centralized management of sensor threshold values for all managed devices.
License		Import a license key for ASUS Control Center Enterprise edition.
Update		Update the Agents for Windows and/or Linux managed devices, or update the ASUS Control Center main server when a new update is available.

Chapter 1	I · Getting	Started
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Chapter 2

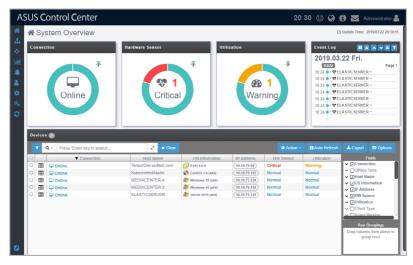
This chapter describes the various monitoring tools and options available.

Monitor

2.1 System Overview

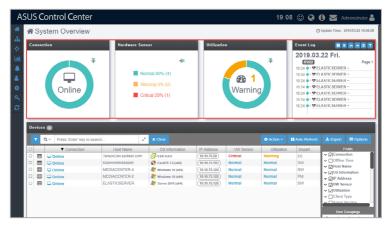
The **System Overview** screen gives you a quick overall status check for all managed devices, giving you a basic overview of device status, or event log at a quick glance. You may also select an individual managed device for details on its status, or perform actions such as remotely control it, power it off, or turn on its locator LED.

To access the **System Overview**, click **System Overview** from the left menu.



2.1.1 Status Dashboard

These items allow you to view a summary of the connection status, hardware status, and utilization status of all managed devices, as well as the event log of the managed devices. This will help you pinpoint problems such as connection errors or hardware sensor errors at a quick glance.



Connection overview

The Connection overview circle displays the connection and power statuses of managed devices in list or graph view. You can click on the \neq / \neq to toggle between list and graph view.

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0	888								v □Client	

Please refer to the table below for the color status of the Connection overview circle

	Green	Orange	Red
Connection Status	Online	Maintain*	Offline



* This status represents the status for when the managed device's agent is updating.

Hardware Sensor overview

The Hardware Sensor overview circle displays an overview of the Voltage, Temperature, Fan, Backplane, Power Supply, Chassis, and S.M.A.R.T. statuses of managed devices. You can click on the \neq / \Rightarrow to toggle between list and graph view.

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Please refer to the table below for the color status of the Hardware Sensor overview circle

	Green	Orange	Red
Hardware Sensor Status	Normal	Warning	Critical

Utilization overview

The Hardware Sensor overview circle displays an overview of the CPU, DIMM, Partition, and Network statuses of managed devices. You can click on the \neq / \neq to toggle between list and graph view.

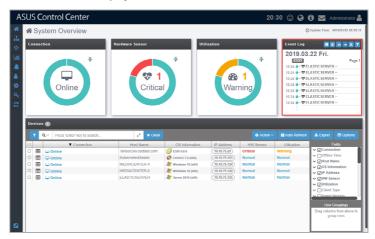
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Please refer to the table below for the color status of the Hardware Sensor overview circle

	Green	Orange	Red
Utilization Status	Normal	Warning	Critical

Event Log overview

The **Event Log** displays the log events of ACC and also the Hardware Sensor and Utilization events of all managed devices in real time, keeping you updated on the different status changes of managed devices as they are happening. Clicking on an item on the list will display more details about that item.



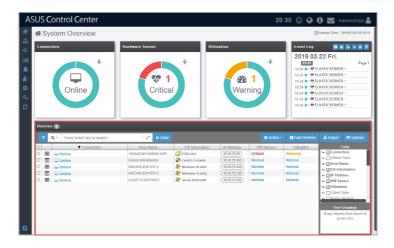
Event Log Quick Buttons

- Pause the Advanced Event Log updates.
 Jump to the top of the Advanced Event Log list.
 Scroll up on the Advanced Event Log list.
 Scroll down on the Advanced Event Log list.
 Jump to the bottom of the Advanced Event Log list.
 - Filter managed devices in the **Devices** list using the **Advanced Event Log**. Please refer to **2.1.4 Search and Filter devices** section for more information on this function

2.1.2 Devices list

The **Devices** list displays all managed devices as well as the metadata on each managed device. You may also access the remote desktop for these managed devices; remotely power on, off, or reset these managed devices; or export the list of managed devices and their metadata to a .csv file. These functions provide you with a effortless method of accessing commonly used functions for managing these devices.

- To add more metadata columns to the **Devices** list, click on **Options**, then check the metadata item you wish to display.
- Click on the name of a column header to sort the filter results alphabetically.
- The **Devices** list will display the items that correspond to the search and filter results. For more information on using search and filter, please refer to **2.1.4 Search and Filter devices**.



Setting power control (Action)

You can control the power settings of selected devices from the **Devices** list allowing you quick access to power controls such as powering on and off, rebooting, and refreshing the device without having to navigate to **Power Control** located under **Centralized** or **Device Information**.

- 1. Select the devices you would like to apply the power control option to.
- 2. Click on **Action**, then select the power control option you would like to apply to the selected devices.

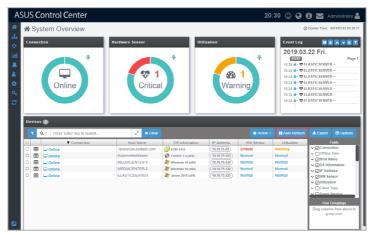
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3. Confirm that the correct devices are selected, then click **Update**.

Devices (2)	
The following devices have been selected	
	X Cancel Clear 🖪 Update

Auto Refreshing the devices list (Auto Refresh)

The **Auto Refresh** function will automatically refresh the items shown on the web page. Disabling Auto Refresh will only disable the web page refresh, but the ASUS Control Center will still receive updates from the agents of managed devices. Click on the **Auto Refresh** button to enable (**I Auto Refresh**) or disable (**C Auto Refresh**) it.



Exporting devices list (Export)

You can export the manadged devices and metadata in the **Devices** list to a .csv file by clicking on **Export**.



Only metadata columns that are shown in the **Devices** list will be exported to the .csv file. To add more metadata columns to the **Devices** list, click on **Options**, then check the metadata item you wish to display.

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2.1.3 Options

Clicking on **Options** will display the **Fields** and **Row Groupings** functions. The **Fields** function controls which metadata columns are displayed in the **Devices** list. You can check the metadata items you wish to hide or display in the **Fields** list.

You can sort and group the managed devices in the **Devices** list according to a column criteria using the **Row Groupings** function.

Hiding or displaying metadata fields

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- 1. Click on **Options** to display the **Fields** window.

2. You can check the metadata field in the **Fields** window to hide or display the metadata field. We check the **Client Type** field in the screenshot below.

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Using the Row Groupings function

1. Drag the column items from the **Fields** list into the **Row Groupings** list to filter by those columns.

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2. Click on the X to remove or disband a row.

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Accessing remote desktop

The remote control function provides a flexible interface for device management through the desktop or command-line accessed in ASUS Control Center. You can quickly access the remote desktop of managed devices from the **Devices** list, without having to navigate to **Device Information**.

· · · · · · · · · · · · · · · · · · ·	11				
Windows 7	Professional	Enterprise	Ultimate		
Windows 8	Professional	Enterprise			
Windows 10	Professional	Enterprise			
Windows Server	2008	2008 R2	2012	2012 R2	2016
Windows Multipoint Server	2011	2012			
Windows Small Business Server	2008	2011			

Device operating systems which support remote control:

- 1. In the **System Overview** screen, select a managed device from the **Devices** list.
- 2. Click on the **IP address** of the selected device, you should be directed to the **Remote Desktop Login** screen.



- 3. Select a resolution to display the managed device in the Remote Desktop window.
- 4. Select the login Account type, then enter the **Account**, **Password**, and **Domain** information.



- Local Account: The agent's administrator privileges only allow you to manage the device the agent is installed on.
- Domain Account: The agent's administrator privileges allow you to manage all devices in the domain. The Domain field only appears if you selected Domain Account.
- 5. Select the protocol to use when connecting, then click **Login**.



Linux and Windows[®] systems use different protocols, ensure the managed device is reachable through the selected protocol:

- RDP: Available on Windows only; allows only a single user to view and configure at the same time.
- VNC: Available on both Windows and Linux; allows multiple users to view and configure at the same time.

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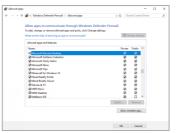
- SSH: Available on Linux only.



- Ensure the managed device you wish to remote control has a stable power supply and Internet connection.
- The managed device may be remote controlled if it is logged out or locked, but cannot be remote controlled if the managed device is powered off or in sleep mode. If the managed device is in sleep mode, please wake the device using the **Power Control (Wake-on-LAN)** function.
- Please ensure that the following two items are checked on the remote device and enabled to allow remote connections to the remote device. Search for Control Panel in the Windows Search Box, then navigate to System > Advanced System Settings > Remote.



 Please ensure that the Microsoft Remote Desktop application is enabled in the Windows Defender Firewall Allowed Apps list. Search for Control Panel in the Windows Search Box, then navigate to Windows Defender Firewall > Allowed Apps.



 Once the login has been successfully authenticated, you will be logged into the desktop or command line of the device system; this varies between systems.



To switch mouse and keyboard control to the ASUS Control Center, press <Ctrl> + <Alt> on the keyboard. To switch mouse and keyboard control back to the remote device, click in the remote device window.

7. Click on the Menu Path at the top of the screen, or click on another menu item from the left menu to end the remote session.

2.1.4 Search and Filter devices

There are various methods of searching and filtering managed devices on the System Overview screen, giving you the freedom of searching or filtering managed devices according to your needs.

Filter devices using the Overview Circle



To clear the filter and view all managed devices, click on Clear.

- 1. Click on a colored segment of an overview block to filter according to the selected overview and status:
 - **Connection:** Click on a colored segment on the circle to display all items which correspond to the selected connection status.
 - Hardware Sensor: Click on a colored segment on the circle to display all items which correspond to the selected hardware sensor status.
 - Utilization: Click on a colored segment on the circle to display all items which correspond to the selected utilization status.
- The filter criteria and filtered managed devices will be displayed in the Devices list. You may select a single managed device from the list to view more details.



Filter devices using the Search Bar



To clear the filter and view all managed devices, click on Clear.

- 1. Enter keywords into the Search bar.
- 2. Click on <u>.</u>, then select the operator you wish to use.
- Q
- Selecting the **Search with 'AND' operator** option will return search results of items which match all the keywords.
- Selecting the Search with 'OR' operator option will return search results of items which at least one of the keywords.

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	1 Search with 'AND' operator	Host Name OS Information	IP Address HW Sensor	Utilization	Depart	Fields
۵	d Search with 'OR' geveator ELAN	SincePries 🦓 Sonr 2016 bile	(16167512) Normal	Normal	574	Contection Contection Contention Contention

3. (optional) You may also click on *intervention* to expand the search bar to view or edit your search criteria, or import a .csv file by clicking on **Import**. Click on **Save** once you are finished editing your search criteria.

Operator	AND OR
Keywords	SW × Windows × ELASTIC × Keywords
	Press 'Enter' to add a keyword or paste text with ' ; ' (semi-colon) separator. You can also import keywords from the csv file.(Keep place field name in the first line.)

- 4. The search results will be displayed in the **Devices** list.
 - Report as a result of selecting the Search with 'AND' operator option.

- ' ''	sus c	Control Center					17:2	5 😳 🤪 (i) 🔽 Administrator 🛔
*	∦ Sy	stem Overview						0	Update Time: 2019/03/22 17:25:05
	Consection Hardware Sensor			Normal					U S V V V 22 Fri. ASTICSERVER – ASTICSERVER – ASTICSERVER – ASTICSERVER – ASTICSERVER – ASTICSERVER – ASTICSERVER –
	Device	15 ()							
	τ.	Q~ SW × Windows ×	ELASTIC ×	× Clear			• Action ~	Auto Refresh	🛓 Export 📾 Options
		▼ Connection	Host Name	OS Information	IP Address	HW Sensor	Utilization	Depart	Fields
		▼ Connection			IP Address (10.10.75.125)	HW Sensor Normal			

• Report as a result of selecting the Search with 'OR' operator option.

A	SU:	S Co	ontrol Center					17:2	8 🙂 🤪	🕽 🔛 Administrator 🚢
#	*	Sys	tem Overview						0	Update Time: 2019/03/22 17:28:15
· · · · · · · · · · · · · · · · · · ·	Consection Fischere Seasor				Utilizatio	Norma	U C Fri. Page 1 ASTICSERVER – ASTICSERVER – ASTICSERVER – ASTICSERVER – ASTICSERVER – ASTICSERVER –			
	De	vices	•							
	Г	τо	€~ SW × Windows ×	ELASTIC ×	* Clear					🛓 Export 🛛 🖽 Options
	1	Sea	arch with 'AND' operator	Host Name	OS Information	IP Address	HW Sensor	Utilization	Depart	Fields
	c	✔ Sea	arch with 'OR' operator	KubernetesMaster	CentOS 7.4 (x64)	(10.10.75.103)	Normal	Normal	SW	✓
	0		- Online	MEDIACENTER-4	🏄 Windows 10 (x64)	(10.10.75.124)	Normal	Normal	SW	✓ □Offline Time ✓ ☑Host Name
			🖵 Online	ELASTICSERVER	🏄 Server 2016 (x64)	10.10.75.125	Normal	Normal	SW	✓ Øriost Name ✓ ØOS Information
			🖵 Online	MEDIACENTER-2	🎥 Windows 10 (x54)	(10.10.75.122)	Normal	Normal	PM	✓ ØIP Address
۵										CHW Sensor Divilization Clear Type Clear Type Cow Groupings Drag columns from above to group rows

Filter devices using the Advanced Event Log



To clear the filter and view all managed devices, click on Clear.

- 1. Click on **T** in the top right corner of the **Event Log** block.
- 2. Enter keywords, or select **Status**, **Hardware Sensor Type**, or **Utilization Type** to add to the filter criteria.

Event Log Filter		×
Filter	Press 'Enter' key to search X Clear	
Status	Normal Warning Critical	
Hardware Sensor Type	Image Image	
Utilization Type	CPU DIMM O Network Partition	

Filter devices using Column Headers



To clear the filter and view all managed devices, click on Clear.

1. Hover over a column header in the **Devices** list then click on \equiv .



Some column headers may not support the filter function.

2. Select a filter rule (**Contains**, **Equals**, **Starts with**, **Ends with**) and enter the keyword to search.



- To add more metadata columns to the **Devices** list, click on **Options**, then check the metadata item you wish to display.
- Click on the Name of a column header to sort the filter results alphabetically.



2.2 Device Information



The screenshot may vary between agent and agentless devices, for more details on viewing agentless device details, refer to **2.3 Host Information**.

The **Device Information** screen gives you various functions to view the status and manage the selected device.

To access the **Device Information** of a managed device, click on the **III** icon located next to the managed device you wish to view in the **Devices list**.

A	SUS Control Center		16:00 😳 😵 🗊 🚰 Administrator 🛔
*	System Overview > Device Information	mation	
•			S 🖓 🗘 🕄
		ELASTICSERVER	
•		OS Information BIOS Version Agent Version	Microsoft Windows Server 2016 Datacenter 64-bit 10.0.14393 3407 1.2.1.4.1
a* 2		Model Name	RS720-E8-RS24-E
ĩ		IP Address Timezone	10 10 75 125 (UTC+08:00) Taipei
		Up Time	21 day(s) 3 hour(s) 31 minute(s)
	The device needs to be restarted to complete the BIOS update		
	Hardware Sensor	Utilization	linventory
	вмс	Software	Event Log
	D BIOS	Security	Configuration

The **Device Information** screen will display a photo slide of the device, which you may scroll through by clicking on the tabs below the device photo. The **OS Information**, **BIOS Version**, **Agent Version**, **Model Name**, **IP Address**, **Timezone**, and **Up Time** of the device will also be displayed to the right of the device photo.

- Q
- Device photos are only available for ASUS Server, Work Station, and CSM products.
- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to 2.1.4 Search and Filter devices section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.

Device Statuses and Quick Buttons

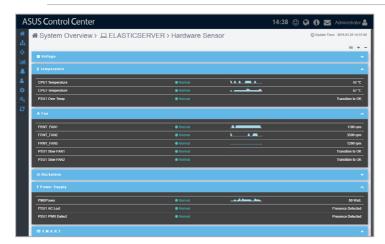
	Connection status:	This item displays the connection status of the selected managed device.		
MESSAGE	Message status:	This item will turn red if the selected device's BMC returns a hardware sensor warning/critical event.		
		The Message status in only available on BMC enabled devices.		
PLOCATOR	Locator status:	This item will turn green if the locator LED is enabled through the ACC Web UI. The locator LED allows you quickly locate the physical location of the device in a server rack.		
		The Locator status in only available on BMC enabled devices.		
	Metadata Editor:	This item allows you to edit the metadata of the managed device by double clicking in the Value field.		
P	Remote Desktop:	This item allows you to remotely control a managed device. Refer to Accessing remote desktop under 2.1.3 Devices list for more details.		
Q	Power Control:	This item allows you to power off or restart a managed device.		
୧	Locator LED:	This item allows you to turn on/off the Locator LED.		
2	Refetch:	This item will refetch the device data.		

2.2.1 Hardware Sensor

This item allows you to view the details and values for the Voltage, Temperature, Fan, Backplane, Power Supply, Chassis, and S.M.A.R.T items.



The Hardware Sensor values on Linux devices are returned only if the Linux device has BMC, otherwise only the S.M.A.R.T. details can be viewed.



Quick Buttons

- Click to switch the layout view.
- + Click to expand all blocks.
- Click to minimize all blocks.
- Click to expand this block.
- Click to minimize this block.

Clicking on an item in the voltage, temperature, fans, Backplane, Power Supply, Chassis, and S.M.A.R.T groups will display the High and Low critical and warning values. Please refer to the table below for more details on the items shown in the example below of CPU Temperature Threshold, and the Normal status which is not shown in the threshold pop-up window.

CPU1 Temperature Threshold	
High Critical 75	
High Warning 70	
Low Warning	
Low Critical -10	

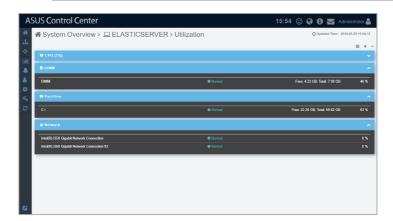
High Critical	If the sensor value is equal to or exceeds this value the sensor status will be Critical . For the above example, if the sensor value is 75 or higher, the sensor status will be Critical .
High Warning If the sensor value is equal to or exceeds this value, and below the Hi value the sensor status will be Warning. For the above example, if th is between 70 ~ 74, the sensor status will be Warning.	
Normal	The sensor will Normal if the sensor value is between the Low Warning and High Warning values. For this example, if the sensor value is between $1 \sim 69$, the sensor status will be Normal .
Low Warning If the sensor value is equal to or lower than this value, and above the Lo value the sensor status will be Warning. For the above example, if the s is between -9 ~ 0, the sensor status will be Warning.	
Low Critical	If the sensor value is equal to or lower than this value the sensor status will be Critical . For the above example, if the sensor value is -10 or lower, the sensor status will be Critical .

2.2.2 Utilization

This item allows you to view and set the utilization threshold value for the CPU, DIMM, Partition, and Network.



The Disk Partition block naming may differ between Windows[®] and Linux systems. The Disk Partition block is titled **Partition** for Windows[®] systems, and **File System** for Linux systems.



Quick Buttons

- Click to switch the layout view.
- + Click to expand all blocks.
- Click to minimize all blocks.
- Click to expand this block.
- Click to minimize this block.

Editing the threshold values

You can edit the critical and warning threshold values for Utilization items.

- 1. Click on a item to adjust the threshold values:
 - High Critical: When the value exceeds this threshold value, the sensor will display **Critical**.
 - High Warning: When the value exceeds this threshold value, the sensor will display **Warning**.



The threshold options for each item may vary.

2. Click on **Save** once you have finished adjusting the threshold values of the item.

Memory Utilizatio	n Thi	reshold	
High Critical	-	95	+
High Warning	-	90	+
		🖹 S	ave

2.2.3 Inventory

This item displays more details about your managed device and disk. Click on **Disk Information** for more details on disks installed on the managed device, such as CD ROM drives, hard disk drives, and USB drives.

A	SUS Control Cente	r		17:02 🙂 🚱 🔂 🐱 Administrator 🛔
*	System Overview	>	entory	O Updated Time: 2019-03-25 17:02:09
과 수	🙇 Disk Information 🗖 Asset In	aformation		
Lad.		formation Device Name:	ASP600S7 64GM B	
÷		Media Type: Device Status:	Fixed hard disk media	
0 4	_	Manufacturer. Size:	(Standard disk drives) 64,017,354,240 Bytes (59.62 GB)	
3	DISK	S.M.A.R.T. Support: S.M.A.R.T. Status:	Support S.M.A.R.T Normal	
	L			
Γ				

Click on Asset Information for the System, Base Board, Memory, BIOS, Processor, and Network Adapter details on the managed device.

A	ASUS Control Center 17:08 😳 🥝 🚯 🔤 Administrator 🛔				
*	System Overview	> _ ELASTICSERVER > Inventory	O Updated Time: 2019-03-25 15:34:13		
표 승	Disk Information Asset Inf	formation			
Lait.	System				
٠	Model Name	R\$720-E8-R\$24-E			
4	Serial Number	To be filled by O.E.M.			
0	Asset Tag	To Be Filled By O.E.M.			
a,	Manufacturer	ASUST#K COMPUTER INC.			
0					
	Base board				
	Product Name	Z10PP-D24 Series			
	Manufacturer	ASUSTEK COMPUTER INC.			
	Memory				
	Total Memory Size	8.00 GB			
	Device Locator	Bank Label	Capacity		
	DIMM_D1	NODE 1	0.00 CB		
	BIOS				

2.2.4 BMC

This item displays the information on the BMC of the managed device, you may also set the BMC using ASMB through the **Shared LAN** and **DM_LAN** tabs.

- The managed device has to support BMC to use the functions described in this section. The BMC option will be grayed out if BMC is unavailable on the managed device.
 - The information entered in this section is for reference only.

вмс		
IPMI Model Name Version	ASMB8-KVM 1.14	
SEL Number	0	
Card Type	OnBoard	
Flash Type	Aspeed 2400	
IP Source	DHCP	
MAC Address	20:66 DC 88 DA:3E	
	255 255 255 0	
Subnet Mask		
Subnet Mask Default Gateway	10.10.75.1	

Shared LAN



BMC is required to use this item.

This item is the communication port for BMC and OS, clicking on the BMC IP in the **IP Address** field will redirect you to the ASMB page, allowing you to view the hardware sensor values of the device.

DM_LAN



BMC is required to use this item.

This item is the communication port specifically for BMC, clicking on the BMC IP in the **IP Address** field will redirect you to the ASMB page, allowing you to view the hardware sensor values of the device.

Edit BMC using ASMB

To edit BMC settings using ASMB on the device:

1. Select Share Lan

Shared LAN DM_LAN1		
IP Address	10 10 75 194	
IP Source	DHCP	
MAC Address	2C 56 DC 88 DA 3E	
Subnet Mask	255.255.255.0	
Default Gateway	10.10.75.1	

or DM_LAN1 tab, then click the IP Address.

Shared LAN DM_LAN1		
IP Address	0000	
IP Source	DHCP	
MAC Address	2C:59:DC:88:DA:3D	
Subnet Mask	0.0.0.0	
Default Gateway	0.0.0.0	

2. Login ASMB.

АЅМВ8іким	
	Username: Password: Login
	Remaind Browner Attlines A they propose term its safe

2.2.5 Software

This item displays details on the software and applications with the **Application**, **Services**, **Processes**, and **Environment Variables** tab. You may also install applications from the **Software Market** tab.

- Ø
- To export the table click the **Export** button, enter a filename, then click **OK**.
- The tabs may differ between Linux and Windows[®] systems.

For Windows[®] system:

A System Overview >			O Updated Time: 2019-03-26 1
Application Q, Services D Processes D Environment	Variables 🎽 😭 Software Market		
Press 'Enter' key to search		× Clear	📥 Export 🛛 🕅 Opti
Name	Version	Publisher	Installation Date
ACC Windows Agent	1.2.1.4.1	ASUS	2019-03-26
Teams Machine-Wide Installer	1.2.0.3961	Microsoft Corporation	2019-03-12
Google Update Helper	1.3.33.23	Google Inc.	2018-12-20
Office 16 Click-to-Run Extensibility Component	16.0.11328.20158	Microsoft Corporation	2019-03-20
Office 16 Click-to-Run Localization Component	16.0.11328.20158	Microsoft Corporation	2019-03-20
Adobe Acrobat Reader DC	19.010.20098	Adobe Systems Incorporated	2019-03-11
Realtek High Definition Audio Driver	6.0.1.7926	Realtek Semiconductor Corp.	2018-03-05
HeavyLoad V3.4 (64 bit)	3.4	JAM Software	2019-03-22
Microsoft Office 365 專業增強版 - zh-tw	16.0.11328.20158	Microsoft Corporation	2019-03-12
Google Chrome	73.0.3683.86	Google, Inc.	2018-11-05
7-Zip 16.04 (x64 edition)	16.04.00.0	Igor Pavlov	2019-03-26
Office 16 Click-to-Run Licensing Component	16.0.11328.20158	Microsoft Corporation	2019-03-20
Office 16 Click-to-Run Extensibility Component 64-bit Registration	16.0.11328.20158	Microsoft Corporation	2019-03-20

For Linux system:

📽 System Overview > 🖵 Kuberr	netesMaster > Software		② Updated Time: 2019-03-11
Application Processes Software Market			
Press 'Enter' key to search		× Clear	📥 Expert 🔳 Op
Namo	Version	Publisher	Installation Date
libwebp	0.3.0	CentOS	2018-01-02
satyr	0.13	CentOS	2017-07-31
gpg-pubkey	352c64e5	(none)	2017-07-31
webkitgtk4-plugin-process-gtk2	2.14.7	CentOS	2018-01-02
atomic-registries	1.20.1	CentOS	2018-01-02
alsa-lib	1.1.3	CentOS	2018-01-02
passwd	0.79	CentOS	2017-07-31
gssdp	1.0.1	CentOS	2018-01-02
PackageKit-gstreamer-plugin	1.1.5	CentOS	2018-01-02
libtool-Itdl	2.4.2	CentOS	2018-01-02
isomd5sum	1.0.10	CentOS	2017-07-31
lbreport-gtk	2.1.11	CentOS	2018-01-02
python-decorator	3.4.0	CentOS	2017-07-31
sci-utils	20130529	CentOS	2018-01-02
pcre2	10.23	CentOS	2018-01-02
xorg-x11-fonts-Type1	7.5	CentOS	2017-07-31
automake	1.13.4	CentOS	2017-08-01
webkitgtk3	2.4.11	CentOS	2018-01-02
wi7265-firmware	22.0.7.0	CentOS	2018-01-02
cryptsetup-libs	17.4	CentOS	2018-01-02

Application

This tab shows all the applications installed on the managed device, it should be the same as the Programs and Feature folder in Windows[®].

For Windows[®] system:

Press 'Enter' key to search		🗙 Clear	🔺 Export 🛛 🕅 Op
Namo	Version	Publisher	Installation Date
ACC Windows Agent	1.2.1.4.1	ASUS	2019-03-26
Teams Machine-Wide Installer	1.2.0.3961	Microsoft Corporation	2019-03-12
Google Update Helper	1.3.33.23	Google Inc.	2018-12-20
Office 16 Click-to-Run Extensibility Component	16.0.11328.20158	Microsoft Corporation	2019-03-20
Office 16 Click-to-Run Localization Component	16.0.11328.20158	Microsoft Corporation	2019-03-20
Adobe Acrobat Reader DC	19.010.20098	Adobe Systems Incorporated	2019-03-11
Realtek High Definition Audio Driver	6.0.1.7926	Realtek Semiconductor Corp.	2018-03-05
HeavyLoad V3.4 (64 bit)	3.4	JAM Software	2019-03-22
Microsoft Office 365 專業増強版 - zh-tw	16.0.11328.20158	Microsoft Corporation	2019-03-12
Google Chrome	73.0.3683.86	Google, Inc.	2018-11-05
7-Zip 16.04 (x64 edition)	16.04.00.0	Igor Pavlov	2019-03-26
Office 16 Click-to-Run Licensing Component	16.0.11328.20158	Microsoft Corporation	2019-03-20
Office 16 Click-to-Run Extensibility Component 64-bit Registration	16.0.11328.20158	Microsoft Corporation	2019-03-20

For Linux system:

System Overview > L Kuberr	netesMaster > Software		() Updated Time: 2019-03-11 1
Press 'Enter' key to search		× Clear	🛓 Export 🖩 Optic
Name	Version	Publisher	Installation Date
libwebp	0.3.0	CentOS	2018-01-02
satyr	0.13	CentOS	2017-07-31
gpg-pubkey	352c64e5	(none)	2017-07-31
webkitgtk4-plugin-process-gtk2	2.14.7	CentOS	2018-01-02
atomic-registries	1.20.1	CentOS	2018-01-02
alsa-lib	1.1.3	CentOS	2018-01-02
passwd	0.79	CentOS	2017-07-31
gssdp	1.0.1	CentOS	2018-01-02
PackageKit-gstreamer-plugin	1.1.5	CentOS	2018-01-02
libtool-ltdl	2.4.2	CentOS	2018-01-02
isomd5sum	1.0.10	CentOS	2017-07-31
libreport-gtk	2.1.11	CentOS	2018-01-02
python-decorator	3.4.0	CentOS	2017-07-31
scl-utils	20130529	CentOS	2018-01-02
pcre2	10.23	CentOS	2018-01-02
xorg-x11-fonts-Type1	7.5	CentOS	2017-07-31
automake	1.13.4	CentOS	2017-08-01
webkitgtk3	2.4.11	CentOS	2018-01-02
wi7265-firmware	22.0.7.0	CentOS	2018-01-02
cryptsetup-libs	17.4	CentOS	2018-01-02

You may also click on an application then select **Uninstall** to uninstall the application.



- Uninstalling applications using the **Application** tab is disabled on Linux systems.
- The **Uninstall** button will be grayed out if the uninstall option is unavailable for the selected application.

/	Application		×
	Name	7-Zip 16.04 (x64 edition)	
	Version	16.04.00.0	
	Publisher	Igor Pavlov	
	Installation Date	2019-03-26	
			* Cancel E Uninstall

Services (Windows only)

This tab shows all the services available on the managed device, it should be the same as the Services tab in Windows[®] Task manager.

ASUS Control Cent	er			17:18 🙂 🚱 🚯 🔽 Administrator
System Overvie	w > 🖵 ELASTICSERVER > Se	oftware		Ø Updated Time: 2019-03-26 16:03
Application Q, Services	Processes 🕜 Environment Variables	Software Market		
Press 'Enter' key to search			* Clear	🛦 Export 🕅 Options
Name	Display Name	Start Mode	State	Description
AJRouter	AllJoyn Router Service	Manual	Stopped	Routes AllJoyn messages for the local AllJoyn clients.
ALG	Application Layer Gateway Service	Manual	Stopped	Provides support for 3rd party protocol plug-ins for Int.,
AppHostSvc	Application Host Helper Service	Auto	▶ Running	Provides administrative services for IIS, for example c.
AppIDSvc	Application Identity	Manual	Stopped	Determines and verifies the identity of an application.
Appinfo	Application Information	Manual	Stopped	Facilitates the running of interactive applications with
AppMgmt	Application Management	Manual	▶ Running	Processes installation, removal, and enumeration requ
AppReadiness	App Readiness	Manual	Stopped	Gets apps ready for use the first time a user signs in t.
AppVClient	Microsoft App-V Client	Disabled	Stopped	Manages App-V users and virtual applications
AppXSvc	AppX Deployment Service (AppXSVC)	Manual	Stopped	Provides infrastructure support for deploying Store ap
aspnet_state	ASP.NET State Service	Manual	Stopped	Provides support for out-of-process session states for
AudioEndpointBuilder	Windows Audio Endpoint Builder	Manual	Stopped	Manages audio devices for the Windows Audio servic
Audiosrv	Windows Audio	Manual	Stopped	Manages audio for Windows-based programs. If this s.
AxInstSV	ActiveX Installer (AxInstSV)	Manual	Stopped	Provides User Account Control validation for the install
BFE	Base Filtering Engine	Auto	▶ Running	The Base Filtering Engine (BFE) is a service that man.
BITS	Background Intelligent Transfer Service	Auto	▶ Running	Transfers files in the background using idle network ba
BrokerInfrastructure	Background Tasks Infrastructure Service	Auto	▶ Running	Windows infrastructure service that controls which bac
Browser	Computer Browser	Disabled	Stopped	Maintains an updated list of computers on the network
bthserv	Bluetooth Support Service	Manual	Stopped	The Bluetooth service supports discovery and associa.
CDPSvc	Connected Devices Platform Service	Auto	► Running	This service is used for Connected Devices and Unive.
CertPropSvc	Certificate Propagation	Manual	▶ Running	Copies user certificates and root certificates from sma.
ClipSVC	Client License Service (ClipSVC)	Manual	Stopped	Provides infrastructure support for the Microsoft Store.
COMSysApp	COM+ System Application	Manual	Stonned	Manages the configuration and tracking of Component

You may click on a service then choose to start the service by clicking on **Start**, stop a running process by clicking on **Stop**, or restart the service by clicking on **Restart**.

Name	Appinfo
Display Name	Application Information
Description	Facilitates the running of interactive applications with additional administrative privileges. If this service is stopped, users will be unable to launch applications with the additional administrative privileges they may require to perform desired user tasks.
Start Mode	Manual
State	Stopped

Processes

This tab shows all the processes on the managed device, it should be the same as the Process tab in Windows $^{\circ}$ Task manager.

For Windows[®] system:

	ontrol C ente	er				17:22 (2	🕽 🔇 🕄 🔄 Administre
🕷 Sys	tem Overviev	v > 🖵 ELAST	ICSERVER	> Software			O Updated Time: 2019-03-26
Applic	ation 🔍 Services	Processes ()	Environment Variables	Software Ma	het		
Press T	nter' key to search				× Clear		📥 Export 🔳 Oj
_	PID		Namo			Executable Path	
0		System Idle Proce	68				
4		System					
620		smss.exe					
740		csrss.exe					
816		wininit.exe					
824		CSFSS.0X0					
908		winlogon.exe			C:\Windows\system32\winlogon.exe		
936		services.exe					
952		lsass.exe			C:\Windows\system32\isass.exe		
196		svchost.exe			C:\Windows\system32\sychost.exe		
688		svchost.exe			C:\Windows\system32\svchost.exe		
1036		svchost.exe			C:\Windows\System32\svchost.exe		
1064		LogonUI.exe			C:\Windows\system32\LogonUI.exe		
1072		dwm.exe			C:\Windows\system32\dwm.exe		
1084		svchost.exe			C:\Windows\System32\svchost.exe		
1112		svchost.exe			C:\Windows\System32\svchost.exe		
1256		svchost.exe			C:\Windows\system32\svchost.exe		
1292		svchost.exe			C:\Windows\system32\svchast.exe		
1300		sychost.exe			C:\Windows\system32\svchost.exe		
1476		sychost.exe			C:\Windows\system32\svchost.exe		
1484		svchost.exe			C:\Windows\system32\svchost.exe		

For Linux system:

ASUS	Control Cer	nter	18:02 🙂 (🤰 🚯 🔛 Administrator 🛔
🐔 🕋 S	System Overv	iew > 💻 KubernetesMaster > Software	e	② Updated Time: 2019-03-26 18:02:12
*				
۸ 📼 ۸	pplication 🏅 🖬 Proces	ises 🖉 🚍 Software Market		
	iss 'Enter' key to search		× Clear	🛓 Export 🖩 Options
Lul Pre				as Export in Options
	PID	Name	Executable Path	
1		/usnlib/systemd/systemd		
a 2		[kthreadd]		
		[ksoftirqd/0]		
a. 5		[kworker/0:0H]		
8		[migration/0]		
C 9		[rcu_bh]		
10		[rcu_sched]		
11		[watchdog/0]		
12		[watchdog/1]		
13		[migration/1]		
14		[ksoftirqd/1] [kwarker/1.0H]		
10				
17		[watchdog/2] [migration/2]		
18		[mgration/2] [ksoftirqd/2]		
21		[ksonrqu/2] [kworker/2.0H]		
21		[witchdog/3]		
22		[watchoog(3) [migration/3]		
23		[migration/5] [ksoftirqd/3]		
26		[ksoniecju-s] [kworker/3:0H]		
20		[watchdog/4]		
28		[watchoogsa] [migration(4]		

You may also click on a process then select End Task to end the process.

PID	908
Name	winlogon.exe
Executable Path	C:\Windows\system32\winlogon.exe

Environment Variables (Windows only)

This tab shows all the environment variables on the managed device, it should be the same as Environment Variables in Windows[®] System Properties menu.

Application Q, Services Processe	C Environment Variables 🔐 Software Market	
Press 'Enter' key to search	🗙 Clear 🚨 Export	Options
Name	Value	
ComSpec	C:Windowslaystem32icmd.exe	
PROCESSOR_ARCHITECTURE	AMD64	
OS	Windows_NT	
PROCESSOR_REVISION	3402	
windir	C:Windows	
PROCESSOR_IDENTIFIER	Intel64 Family 6 Model 63 Stepping 2, CenuineIntel	
TEMP	C:Windows\TEMP	
USERNAME	SYSTEM	
PROCESSOR_LEVEL	6	
NUMBER_OF_PROCESSORS	32	
Path	C.Windows\system32.C.Windows.C.Windows\System32Wbern.C.Windows\System32WbrdowsPowerShelfw1.0\	
TMP	C.Windows\TEMP	
PSModulePath	C.\Program Files (x86)\WindowsPowerShellModules,C.\Windows\system32\WindowsPowerShell\v1.0\Modules	
PATHEXT	.COMEXEBAT.CMD.VBSVBEJS.JSEWSFWSHMSC	

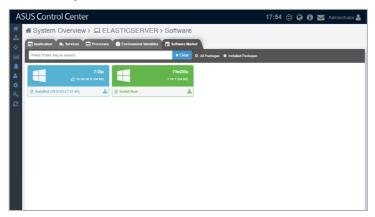
Software Market

This tab shows software packages uploaded to the software pool, and also whether a software package has been installed to this device. The software packages displayed depends on the OS of this device, Windows[®] devices will only see Windows[®] softwares, and Linux devices will only see Linux softwares. You may also click on **Install Now** on software package that has not yet been installed on to install the software package to this device.



Refer to **4.4.1 Software Pool** for more information on adding and removing software packages from the software pool.

For Windows[®] system:



For Linux system:



2.2.6 Event Log

This item displays the event logs for the **ASUS Control Center**, **Application**, **System**, and **Security**. You may view each event log by clicking on the tabs. Click on an event to view more details about the event.



- To export the Event Log click the **Export** button, enter a filename, then click **OK**.
- Linux systems only support the ASUS Control Center tab.

For Windows[®] system:

US Control Cent	ter		18:28	🙂 🚱 🕄 A	
Svstem Overvie	w >	Event Log		O Updated Time:	2019-03-20
ASUS Control Center	Application 🔍 🥵 System 🕺 🔎 Security				
		00			
	50 A	30	U		4
No	ormal	Warning		Critical	
		······································	· · · · · · · · · · · · · · · · · · ·		
Logs (127)					
Logs					
Press 'Enter' key to search		* Clear		Q Advance & Export	III Opt
Level Type	Date & Time		Message		
() Normal	2019-03-18 10:31:28	Software dispatch task done.			
() Normal	2019-03-11 12.16.06	Software dispatch task done.			
() Normal	2019-03-11 11:56:43	CPU Core ID: 27 Utilization : 0 % Status	· Critical> Normal		
O Normal	2019-03-11 11.56.43	CPU Core ID. 26 Utilization : 0 % Status	. Critical> Normal		
O Normal O Normal	2019-03-11 11:56:43 2019-03-11 11:56:43	CPU Core ID. 26 Utilization : 0 % Status CPU Core ID: 25 Utilization : 0 % Status			
			: Critical> Normal		
Normal Normal	2019-03-11 11:56:43	CPU Core ID: 25 Utilization : 0 % Status	: Critical> Normal : Critical> Normal		
Normal Normal Normal Normal	2019-03-11 11:56:43 2019-03-11 11:56:43	CPU Core ID: 25 Utilization : 0 % Status CPU Core ID: 24 Utilization : 0 % Status	: Critical> Normal : Critical> Normal : Critical> Normal		
Normal Normal Normal Normal	2019-03-11 11:56:43 2019-03-11 11:56:43 2019-03-11 11:56:43	CPU Core ID: 25 Utilization : 0 % Status CPU Core ID: 24 Utilization : 0 % Status CPU Core ID: 23 Utilization : 0 % Status	: Critical> Normal : Critical> Normal : Critical> Normal : Critical> Normal		
Normal Normal Normal Normal Normal Normal	2019-03-11 11:56.43 2019-03-11 11:56.43 2019-03-11 11:56.43 2019-03-11 11:56.43 2019-03-11 11:56.43	CPU Core ID: 25 Utilization : 0 % Status CPU Core ID: 24 Utilization : 0 % Status CPU Core ID: 23 Utilization : 0 % Status CPU Core ID: 22 Utilization : 1 % Status	: Critical> Normal : Critical> Normal : Critical> Normal : Critical> Normal : Critical> Normal		
Normal	2019-03-11 11:56:43 2019-03-11 11:56:43 2019-03-11 11:56:43 2019-03-11 11:56:43 2019-03-11 11:56:43	CPU Core ID: 26 Utilization : 0 % Status CPU Core ID: 24 Utilization : 0 % Status CPU Core ID: 23 Utilization : 0 % Status CPU Core ID: 23 Utilization : 0 % Status CPU Core ID: 21 Utilization : 0 % Status	Critical> Normal		
Normal Normal Normal Normal Normal Normal Normal Normal Normal	2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43	CPU Core ID: 25 Utilization: 0 % Status CPU Core ID: 24 Utilization: 0 % Status CPU Core ID: 23 Utilization: 0 % Status CPU Core ID: 23 Utilization: 1 % Status CPU Core ID: 24 Utilization: 1 % Status CPU Core ID: 24 Utilization: 0 % Status	Critical> Normal Critical> Normal		
O Normal O Normal	2019-03-11 11.56.43 2019-03-11 11.56.43 2019-03-11 11.56.43 2019-03-11 11.56.43 2019-03-11 11.56.43 2019-03-11 11.56.43	CPU Core ID: 25 Utilization: 0 % Status CPU Core ID: 24 Utilization: 0 % Status CPU Core ID: 22 Utilization: 0 % Status CPU Core ID: 22 Utilization: 1 % Status CPU Core ID: 22 Utilization: 0 % Status CPU Core ID: 20 Utilization: 0 % Status CPU Core ID: 19 Utilization: 0 % Status	Critical> Normal		

For Linux system:

SUS Control Ce	enter		17:02 🙂 🚱 🚯 🔛 Administrator
ASUS Control Center	view ≻ ⊑ KubernetesMaster	r > Event Log	
i	25	Warning	Critical
Logs (78) Press 'Enter' key to searc	۰.	X CH37	Q Advance DEXport El Options
Level Type	Date & Time		ISSION
O Normal	2019-10-24 04.46.26	CPU Core ID. 0 Utilization . 83 % Status . Warning	
A Warning	2019-10-24 04:45:55	CPU Core ID: 0 Utilization : 90 % Status : Normal	> Warning
O Normal	2019-10-24 04:39:08	CPU Core ID: 0 Utilization : 90 % Status : Warning	g> Normal
A Warning	2019-10-24 04:38:36	CPU Core ID: 0 Utilization : 91 % Status : Normal	> Warning
O Normal	2019-10-24 04:35:28	CPU Core ID: 0 Utilization : 88 % Status : Warning	g> Normal
O Normal	2019-10-24 04:34:57	CPU Core ID: 1 Utilization : 89 % Status : Warning)> Normal
A Warning	2019-10-24 04:34:26	CPU Core ID: 1 Utilization : 91 % Status : Normal	> Warning
A Warning	2019-10-24 04:33:54	CPU Core ID: 0 Utilization : 91 % Status : Normal	> Warning
() Normal	2019-10-24 04:32:52	CPU Core ID: 1 Utilization : 88 % Status : Warning	g> Normal
() Normal	2019-10-24 04:32:52	CPU Core ID: 0 Utilization : 90 % Status : Warning	j> Normal
A Warning	2019-10-24 04:32:20	CPU Core ID: 0 Utilization : 94 % Status : Critical	> Warning
Critical	2019-10-24 04:31:49	CPU Core ID: 0 Utilization : 95 % Status : Warning	g> Critical
A Warning	2019-10-24 04:31:17	CPU Core ID: 1 Utilization : 90 % Status : Normal	> Warning
A Warning	2019-10-24 04:31:17	CPU Core ID: 0 Utilization : 91 % Status : Normal	

ASUS Control Center tab

US Control Cen	ter		18:28	🙂 🚱 🕄 💆 🖉	
System Overvie		R > Event Log		O Updated Time:	2019-03-20 15:3
ASUS Control Center	Application 💊 System 🔎 Security				
(i)	50 🗛	30	0		47
N	ormal	Warning		Critical	
Logs (127)					
Press 'Enter' key to search		* Crear		Q Advance & Export	B Cotions
Level Type	Date & Time		Message	a natarice a coport	an options
6 Normal	2019-03-18 10:31:28	Software dispatch task done.	message		
O Normal	2019-03-11 12.16.06	Software dispatch task done.			
Normal Normal	2019-03-11 12:16.06 2019-03-11 11:56:43	Software dispatch task done. CPU Core ID: 27 Utilization : 0 % Status :	Critical> Normal		
() Normal	2019-03-11 11:56:43	CPU Core ID: 27 Utilization : 0 % Status :	Critical> Normal		
Normal Normal	2019-03-11 11:56:43 2019-03-11 11:56:43	CPU Core ID: 27 Utilization : 0 % Status : CPU Core ID: 26 Utilization : 0 % Status :	Critical> Normal Critical> Normal		
Normal Normal Normal Normal	2019-08-11 11:56:43 2019-03-11 11:56:43 2019-03-11 11:56:43	CPU Core ID: 27 Utilization : 0 % Status : CPU Core ID: 26 Utilization : 0 % Status : CPU Core ID: 25 Utilization : 0 % Status :	Critical> Normal Critical> Normal Critical> Normal		
Normal Normal Normal Normal Normal	2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43	CPU Core ID: 27 Utitization : 0 % Status : CPU Core ID: 26 Utilization : 0 % Status : CPU Core ID: 25 Utilization : 0 % Status : CPU Core ID: 24 Utilization : 0 % Status :	Critical> Normal Critical> Normal Critical> Normal Critical> Normal		
O Normal O Normal O Normal O Normal O Normal O Normal	2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43	CPU Core ID: 27 Utitization : 0 % Status : CPU Core ID: 26 Utitization : 0 % Status : CPU Core ID: 25 Utitization : 0 % Status : CPU Core ID: 24 Utitization : 0 % Status : CPU Core ID: 23 Utitization : 0 % Status :	Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal		
Normal Normal Normal Normal Normal Normal Normal	2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43	CPU Core ID: 27 Utitization : 0 % Status ; CPU Core ID: 26 Utitization : 0 % Status ; CPU Core ID: 26 Utitization : 0 % Status ; CPU Core ID: 24 Utitization : 0 % Status ; CPU Core ID: 23 Utitization : 0 % Status ; CPU Core ID: 23 Utitization : 1 % Status ;	Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal		
Normal Normal Normal Normal Normal Normal Normal Normal Normal	2019-08-11 11:86-48 2019-08-11 11:86-48 2019-06-11 11:86-48 2019-08-11 11:86-48 2019-08-11 11:86-48 2019-08-11 11:86-48 2019-08-11 11:86-48	CIFU Core ID: 27 Utitization: 0 % Status: CIFU Core ID: 28 Utilization: 0 % Status CIFU Core ID: 28 Utilization: 0 % Status CIFU Core ID: 24 Utilization: 0 % Status CIFU Core ID: 24 Utilization: 0 % Status CIFU Core ID: 24 Utilization: 1 % Status CIFU Core ID: 21 Utilization: 0 % Status	Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal		
6 Normal 0 Normal 0 Normal 0 Normal 0 Normal 0 Normal 0 Normal 0 Normal	2019-00-11 11 56-45 2019-00-11 11 56-43 2019-03-11 11 56-43	CPU Core LD 22 Utilization : 0 % Estatos CPU Core LD 25 Utilization : 0 % Estatos CPU Core LD 25 Utilization : 0 % Estatos CPU Core LD 23 Utilization : 0 % Estatos CPU Core LD 23 Utilization : 0 % Estatos CPU Core LD 23 Utilization : 1 % Estatos CPU Core LD 24 Utilization : 0 % Estatos CPU Core LD 24 Utilization : 0 % Estatos CPU Core LD 20 Utilization : 0 % Estatos CPU Core LD 20 Utilization : 0 % Estatos CPU Core LD 10 Utilization : 0 % Estatos	Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal		
6 Normal 6 Normal 6 Normal 6 Normal 6 Normal 6 Normal 6 Normal 6 Normal	2019-46-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-43 2019-03-11 11:56-13 2019-03-11 11:56-13 2019-03-11 11:56-13 2019-03-11 11:56-13 2019-03-11 11:56-13	CPU Core Lib 22 Unitacidino 1 9 % Editaria CPU Core Lib 28 Unitacidino 1 9 % Editoria CPU Core Lib 29 Unitacidino 1 9 % Editoria CPU Core Lib 29 Unitacidino 1 9 % Editoria CPU Core Lib 19 Unitacidino 1 9 % Editoria	Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal Critical> Normal		

Application tab (Windows only)

SUS Control Ce	enter		18:30 🙂 🚱 🔂 🔀 Administrator
System Over	view > 😐 ELASTICSE	RVER > Event Log	O Updated Time: 2019-03-20 18:3
ASUS Control Center	Application System S	curity	
(i)	943	A	4 9 53
	Normal	Warning	Critical
Logs (1000)			
Press 'Enter' key to sear	ch	× Clear	Q Advance 🛓 Export 👹 Options
Level Type	Date & Time	Source	Message
() Normal	2019-03-20 15:49:48	Software Protection Platform Se	SLUI.exe was launched with the following command-line parameters:Ruleid=31e71e4
Normal	2019-03-20 15.48.53	Software Protection Platform Se	The Software Protection service has completed licensing status check Application Id=
Normal	2019-03-20 15:48:52	Software Protection Platform Se	Initialization status for service objects.C:\Windows\system32\sppwinob.dll, msft.spp/w
(O Normal	2019-03-20 15.48.52	Software Protection Platform Se	The Software Protection service is starting.Parameters.trigger=timer,sessionid=0
Normal	2019-03-20 14:50:31	Desktop Window Manager	The Desktop Window Manager has registered the session port.
() Normal	2019-03-20 14.46.09	Desklop Window Manager	The Desklop Window Manager has registered the session port.
() Normal	2019-03-20 11:28:52	Software Protection Platform Se	Successfully scheduled Software Protection service for re-start at 2019-03-20T07:48:
O Normal	2019-03-20 11.08.22	Msilnstaller	Windows Installer reconfigured the product. Product Name. ACC Windows Agent. Pro
Normal	2019-03-20 11:06:22	MsiInstaller	Windows Installer reconfigured the product. Product Name: Google Update Helper. Pr
(9 Normal	2019-03-20 11:08:22	MsiInstaller	Windows installer reconfigured the product. Product Name: 7-Zip 16.04 (x64 edition).
	2019-03-20 11:06:22	MsiInstaller	Windows Installer reconfigured the product. Product Name: FileZilla MSI Installer. Pro
Normal			
O Normal O Normal	2019-03-20 11:08:22	Msilnstaller	Windows Installer reconfigured the product. Product Name: Google Chrome. Product .
	2019-03-20 11:08:22 2019-03-20 11:08:21	Msilnstaller Msilnstaller	Windows installer reconfigured the product. Product Name: Google Chrome. Product . Windows installer reconfigured the product. Product Name: Adobe Acrobat Reader D

System tab (Windows only)

US Control Ce	enter		18:33 😳 🚱 🚺 🚾 Administra
A System Over	view > 😐 ELASTICSE	RVER > Event Log	O Updated Time: 2019-03-20 1
ASUS Control Center	Application Q. System P Se	curity	
6	996	A	2 9 2
	Normal	Warning	Critical
Logs (1000)			
Press 'Enter' key to search	h	× Clear	Q, Advance 🛓 Export 🖽 Oppo
Level Type	Date & Time	Source	Message
() Normal	2019-03-20 14:54:06	Service Control Manager	The Function Discovery Provider Host service entered the stopped state.
Normal	2019-03-20 14.52.07	Service Control Manager	The Device Association Service service entered the stopped state.
() Normal	2019-03-20 14:51:24	Service Control Manager	The Device Setup Manager service entered the stopped state.
Normal	2019-03-20 14:50:35	Service Control Manager	The Device Association Service service entered the running state.
Normal	2019-03-20 14:50:35	Service Control Manager	The Device Setup Manager service entered the running state.
Normal	2019-03-20 14.50.31	Service Control Manager	The Smart Card Device Enumeration Service service entered the running state.
Normal	2019-03-20 14:50:20	Service Control Manager	The Smart Card Device Enumeration Service service entered the stopped state.
Normal	2019-03-20 14.50.01	Service Control Manager	The Device Association Service service entered the stopped state.
() Normal	2019-03-20 14:48:30	Service Control Manager	The Device Association Service service entered the running state.
() Normal	2019-03-20 14:47:51	Service Control Manager	The Device Association Service service entered the stopped state.
O Normal	2019-03-20 14:46:59	Service Control Manager	The Device Setup Manager service entered the stopped state.
		Service Control Manager	The Device Association Service service entered the running state.
() Normal	2019-03-20 14:46:19		
	2019-03-20 14:46:19 2019-03-20 14:46:18	Service Control Manager	The Function Discovery Provider Host service entered the running state.

Security tab (Windows only)

US Control Center		18:34 🙂 🔇 🚯 🔽 Administrato
🖀 System Overview > 🖵 E	LASTICSERVER > Event Log	O Updated Time: 2019-03-20 16:
ASUS Control Center	🗞 System 🔎 Security	
A	1,000	
Security and	lit is successful.	Security audit failed.
Security aud	lit is successful.	Security audit failed.
Logs (1000)		
Logs 1000		
Press 'Enter' key to search	* Clear	Q Advance 🛓 Export 🕮 Option
Level Type	Date & Time	Message
Level Type Q Security audit is successful.	Date & Time 2019-03-20 16:28:28	
		Special privileges assigned to new logon.Subject: Security ID: S-1-5-18 Account Name: Sh
Re Security audit is successful.	2019-03-20 16:28:28	Special privileges assigned to new logon Subject: Security ID: S-1-5-18 Account Name: SY An account was successfully logged on Subject: Security ID: S-1-5-18 Account Name: ELA
Qe Security audit is successful. Qe Security audit is successful.	2019-03-20 16:28:28 2019-03-20 16:28:28	Special privileges assigned to new logon.Subject: Security ID: S-1-6-18 Account Name: S' An account was successfully logged on Subject. Security ID: S-1-5-18 Account Name: ELA Special privileges assigned to new logon.Subject: Security ID: S-1-5-18 Account Name: S'
A ₄ Security audit is successful. A ₄ Security audit is successful. A ₄ Security audit is successful.	2019-03-20 16:28:28 2019-03-20 16:28:28 2019-03-20 15:57:41	Special privileges assigned to new logen Subject: Security ID: S-1-S-18 Account Name: SY An account was successfully logged on Subject. Security ID: S-1-S-18 Account Name: ELA Special privileges assigned to new logen Subject: Security ID: S-1-S-18 Account Name: SY An account was successfully logged on Subject. Security ID: S-1-S-18 Account Name: SY
Q. Security audit is successful.	2019-03-20 16:28:28 2019-03-20 16:28:28 2019-03-20 16:28:28 2019-03-20 15:57:41 2019-03-20 15:57:41	Special privileges assigned to new logan Subject: Security US 51-51-81 Account Name: SY An account was successfully logard on Subject: Security ID, S1-5-18 Account Name: SY Special privileges assigned to new logan. Subject: Security ID, S1-5-18 Account Name: SY An account was successfully logard on Subject: Security ID, S1-5-18 Account Name: SY A user's local group methorship was cammanded Subject: Security ID, S1-5-84 2202060
Q. Security audit is successful.	2019-03-20 16:28:28 2019-03-20 16:28:28 2019-03-20 15:57:41 2019-03-20 15:57:41 2019-03-20 14:52:06	Special privilegic assigned to new login Subject. Security 10: 5-1-5-19. Account Name: Sh An account was successfully apped on Subject. Security 10: 5-1-5-18. Account Name: EL Special privilegic assigned to new login subject: Society 10: 5-1-5-18. Account Name: Sh An account was successfully logical on Subject. Society 10: 5-1-518. Account Name: EL A user's local group membership was enumeriated Subject. Security 10: 5-1-5-12. 202640
Q. Security audit is successful.	2019-03-20 16:28:28 2019-03-20 16:28:28 2019-03-20 16:28:28 2019-03-20 15:57:41 2019-03-20 14:57:41 2019-03-20 14:52.06 2019-03-20 14:50.35	Special privilegia assigned to tieve login studied: Special UL 51-51 A Account Name: EV An account Name: Special Speci
G. Security audit is successful.	2019-03-20 16:28:28 2019-03-20 16:28:28 2019-03-20 16:57:41 2019-03-20 15:57:41 2019-03-20 14:52:06 2019-03-20 14:50:35 2019-03-20 14:50:35	Special privilege assigned to new login busicit: Scientifi U: 51-51 A Account Name: 51 A recount Name: Strate Strategies, Science VII: 51-51 A Account Name: Strategies assigned to new login busicit: Science VII: 51-51 A Account Name: Strate Name: Strate Strategies, Science VII: 51-51 A Account Name: Strate Name: Strategies Strategies Science VII: 51-51 A Account Name: Strategies Strategies Science VII: 51-51 A Account Name: Strate Strategies, Science VII: 51-51 A Account Name: Strategies Strategies Science VIII: 51-51 A Account Name: Strategies Science Na
Q. Security audit is successful.	2019-04-201 %:202 2019-03-2016.28.28 2019-03-2016.57.41 2019-03-2016.57.41 2019-03-2014.52.06 2019-03-2014.50.35 2019-03-2014.50.32 2019-03-2014.50.32	Special privingita assigned to their loging strategies, Security 10: 51–51 at Account Name: EV An account Iwas accountily loging of Independent Security 20: 51–51 at Account Name: EV Special privingita assigned to its direct. Security 10: 51–51 at Account Name: EV An account was successfully tagged on Subject. Security 10: 51–51 at Account Name: EV A nucro's load group membership was enumerated. Subject: Security 10: 51–54 at 2124640 A succes in load group membership was enumerated. Subject: Security 10: 51–54 at 2124640 A nucro south was larged of Subject: Security 10: 51–54 at 2124640 An account was larged of Subject: Security 10: 51–54 ab 53–53 Account Name: NVH-3 Account An account was larged of Subject: Security 10: 51–54 ab 53–53 Account Name: NVH-3 Account An account was larged of Subject: Security 10: 51–54 ab 53–53 Account Name: NVH-3 Account An account was larged of Subject: Security 10: 51–54 ab 53–53 Account Name: NVH-3 Account An account was larged of Subject: Security 10: 51–54 ab 53–53 Account Name: NVH-3 Account Name: NVH-3 Account Name: NVH-3 Account Na
Asseurity audit is successful, Asseurity audit is successful, Asseurity audit is successful, Security audit is successful, Asseurity audit is successful, Asseurity audit is successful, Asseurity audit is successful, Asseurity audit is successful, Security audit is successful,	2019-04-2019 522 28 2019-03-2019 52 28 2019-04-2019 54-24 2019-04-2019 54-74 2019-03-2019 57-74 2019-03-2019 52 20 2019-03-2019 50-23 2019-03-2014 50-23 2019-03-2014 50-32 2019-03-2014 50-32	Specier privilege assigned to new login busice: Security UI: 51-51 ALCourt Name: EV An account was securitably loging of 154(4); 55(4); 51(5); 50(5); 51(5); 51(5); 51(5); 50(5);
A. Security audit is successful.	2019-04-04 19:22 29 2019-05-00 16:20 28 2019-05-20 16:27.41 2019-05-20 16:27.41 2019-05-20 14:20 06 2019-05-20 14:50 32 2019-05-20 14:50 32 2019-05-20 14:50 32 2019-05-20 14:50 32	Special privingita assigned to their login strategic to serving UL 51-51-81 Account Name: EV An account Name Sciences/Shift yeard on Shift Sciences/Name: TARA Account Name: EV Special privingita assigned to strategic Science (VL 51-51-81 Account Name: EV An account Name Sciences/Shift Sciences/Name: Sciences/Name: EV An account Name Sciences/Shift Yanger on Shift Sciences Name: EV A account Name Sciences/Shift Yanger on Sciences Sciences Name: Name: Name: Name: Sciences Name: Sciences Name: Na
Q. Security autil is successful. G. Security autil is successful.	2011-04-30 Te 2029 2016-03-00 Te 2020 2011-04-00 Te 2-74 2011-04-00 Te 5-74 T 2016-03-00 Te 420 C0 2016-03-00 Te 420 C0 2016-03-00 Te 450 20 2016-03-00 Te 450 20 2016-03-00 Te 450 20 2016-03-00 Te 450 21 2016-03-00 Te 450 21 2016-03-00 Te 450 21	Message Special privileges assigned to the velocity hospit Sector (J) 51-51-58 Account Nume: EX Special privileges assigned to the velocity hospit Sector (J) D: 51-51-84 Account Nume: EX Special privileges assigned to the velocity hospit C testrul (J): E1-51-58 Account Nume: EX Special privileges assigned to the velocity hospit C testrul (J): E1-51-84 Account Nume: EX A uncork like special privileges assigned to the velocity hospit C testrul (J): D: 61-63 Account Nume: EX A uncork like special of Special Execution (J): D: 61-63-03 Account Nume: EX A naccount like special of Special Execution (J): D: 61-63-03 Account Nume: C VII-3 A naccount like special of Special Execution (J): D: 61-63-03 Account Nume: C VII-3 A naccount like special of Special Execution (J): D: 61-63-03 Account Nume: C VII-3 A naccount like special of Special: Executior (J): D: 61-63-03 Account Nume: C VII-3 A naccount like special of Special: Executior (J): D: 61-63-03 Account Nume: C VII-3 A naccount like special of Special: Executior (J): D: 61-63-03 Account Nume: C VII-3 An account like special of Special: Executior (J): D: 61-63-03 Account Nume: C VII-3 An account like special of Special: Executior (J): D: 61-63-04 Account Nume: C VII-3 An account like special of Special: Executior (J): D: 61-63-04 Account Nume: C VII-3 Account like special of Special: Executior (J): D: 61-63-04 Account Nume: C VII-3 Account like special of Special: Executior (J): D: 61-63-04 Account Nume: C VII-3 Account like special of Special: Executior (J): D: 61-63-04 Account Nume: C VII-3 Account like special: Spe

Filtering the Event Log using the Advanced Search

- 1. Click on Advance.
- 2. Select the Filter Type.
 - Filter by total records: Filters according to the number of records.
 - Filter by Timestamp: Filters according to the set time period.
- 3. Select the Level Type(s) you wish to filter
- 4. The **Conditions** may vary depending on the **Filter Type** selected.
 - Filter by total records: Set the amount of records to show. This amounts increments by 100 and ranges from 100 to 5000 records.

Filter Type	Filter	by total rec	ords		τ.	
Level Type	✓ ▲ V	ormal /arning ritical				
Conditions	Latest	100	Ĵ	Records]	

• Filter by Timestamp: Select a time period to show records, or set a custom time frame to show records within the set time frame.

Advanced Search		
Filter Type Level Type	Filter by Timestamp	v
Conditions	A Warning Critical Custom Time Period	
Start Date & Time	Custom Time Period Latest 1 Hour	
End Date & Time	Latest 12 Hours Latest 1 Day	
	Latest 1 Week Latest 2 Weeks	Cancel Action
	Latest 1 Month	

When you select **Custom Time Period**, you can select a **Start Date & Time**, and **End Date & Time**.

Advanced Search									×
Filter Type	Tille	e hu 7		lama				Ŧ	
		,		tamp				, ,	
Level Type	🔲 🕄 N	lorma	1						
	۱ 🛆 🔲	Varnir	ng						
	e 🔒 (ritica							
Conditions	Cus	tom T	ime f	Period	t			*	
Start Date & Time	2019	/01/2	4 18:	10					
End Date & Time	4 1	٨	Ja	nuary	y-2	019 -	•		
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	18:00	
	30	31	1	2	3	4	5	18:30	1
	6	7	8	9	10	11	12	19:00	Action
	13	14	15	16	17	18	19	19:30	
	20	21	22	23	24	25	26	20:00	
	27	28	29	30	31	1	2	20:30	

5. Click Action to start filtering the Event Log.



This function will replace the Event Log list with the new results, and searching / filtering using the Search toolbar will only perform a search / filter on the new Event Log list.

Filter example of Warning Level Type of Filter by total records:

SUS Control Cen	ter	11:35 🙂 🚱 🔂 🚾 Administrator
A System Overvi	ew > 😐 ELASTICSERVER >	Event Log © Updated Time: 2019-03-21 11::
ASUS Control Center	Application 💁 System 🔎 Security	
6	50 A	30 9 47
N	ormal	Warning Critical
Logo 🗊		
Press 'Enter' key to search		🛪 Clear Q. Advance 🎿 Export 💷 Options
Level Type	Date & Time	Message
A Warning	2019-03-11 11:26:41	CPU Core ID: 27 Utilization : 94 % Status : Normal> Warning
A Warning	2019-03-11 11.26.41	CPU Core ID. 26 Utilization . 94 % Status . Normal> Warning
A Warning	2019-03-11 11:26:41	CPU Core ID: 25 Utilization : 94 % Status : Normal> Warning
A Warning	2019-03-11 11.26.41	CPU Core ID. 24 Utilization . 94 % Status . Normal> Warning
A Warning	2019-03-11 11:26:41	CPU Core ID: 23 Utilization : 94 % Status : Normal> Warning
A warning	2019-03-11 11:26:41	CPU Core ID. 22 Utilization . 94 % Status . Normal> Warning
A Warning	2019-03-11 11:26:41	CPU Core ID: 21 Utilization : 94 % Status : Normal> Warning
A Warning	2019-03-11 11.26.41	CPU Core ID. 20 Utilization : 94 % Status : Normal> Warning
A Warning	2019-03-11 11:26:41	CPU Core ID: 19 Utilization : 94 % Status : Normal> Warning
A Warning	2019-03-11 11:26:41	CPU Core ID: 18 Utilization : 94 % Status : Normal> Warning
A Warning	2019-03-11 11:26:41	CPU Core ID: 17 Utilization : 94 % Status : Normal> Warning
A Warning	2019-03-11 11:26:41	CPU Core ID: 16 Utilization : 94 % Status : Normal> Warning
A Warning	2019-03-11 11:26:41	CPU Core ID: 15 Utilization : 94 % Status : Normal> Warning

Filter example of Critical Level Type Filter by Timestamp:

ASUS Control Ce	enter	12:00 🙂 🚱 🔂 📈 Administrator 🛔
		C> Event Log
ASUS Control Center	Application Q. System Security	
1 i	50 🗚	30 9 47
	Normal	Warning Critical
🗘 🕹 Logs 🕧		
Press 'Enter' key to sear	ch	🗴 Clear Q. Advance 보 Export 🖽 Options
Level Type	Date & Time	Message
Critical	2019-03-11 11:27:41	CPU Core ID: 0 Utilization : 100 % Status : Warning> Critical
Critical	2019-03-11 11.27.41	CPU Core ID. 1 Utilization . 100 % Status . Warning> Critical
Gritical	2019-03-11 11:27:41	CPU Core ID: 2 Utilization : 100 % Status : Warning> Critical
Critical	2019-03-11 11.27.41	CPU Core ID. 3 Utilization . 100 % Status . Warning> Critical
Critical	2019-03-11 11:27:41	CPU Core ID: 4 Utilization : 100 % Status : Warning> Critical
Gritical	2019-03-11 11:27:41	CPU Core ID. 5 Utilization : 100 % Status : Warning> Critical
Critical	2019-03-11 11:27:41	CPU Core ID: 6 Utilization : 100 % Status : Warning> Critical
Gritical	2019-03-11 11.27.41	CPU Core ID. 7 Utilization . 100 % Status . Warning> Critical
Critical	2019-03-11 11:27:41	CPU Core ID: 8 Utilization : 100 % Status : Warning> Critical
Gritical	2019-03-11 11:27:41	CPU Core ID: 9 Utilization : 100 % Status : Warning> Critical
Critical	2019-03-11 11:27:41	CPU Core ID: 10 Utilization : 100 % Status : Warning> Critical
Critical	2019-03-11 11:27:41	CPU Core ID: 11 Utilization : 100 % Status : Warning> Critical
Critical	2019-03-11 11:27:41	CPU Core ID: 12 Utilization : 100 % Status : Warning> Critical
O Critical	2019 03 11 11:27:41	CPU Core ID: 13 Utilization : 100 % Status : Warning> Critical

2.2.7 BIOS

This item allows you to update the BIOS of a managed device by uploading a BIOS cap file or selecting a BIOS cap file from the BIOS Cache, view and adjust BIOS settings, and view the Desktop Management Interface Information.

ASUS Control Center		16:12 🙂 🚱 🔂 🚾 Administr
A System Overview > 🗆	MEDIACENTER-2 > BIOS	
O BIOS Flash BIOS Setting	DMI Info	
BIOS Information		
Manufacturer Name	ASUSTeK COMPUTER INC.	
System Product Name	UNISU	
Baseboard Model Name	UN65U	
Vendor	ASUSTEK COMPUTER INC. (Licensed from AMI)	
BIOS Version	0503	
BIOS Build Date	06/09/2017	
BIOS Flash Information		
BIOS Flash Type	Manually Upload BIOS File	
	B	Drop BIOS File or Bio University
Upload BIOS		Cupload BIOS File

BIOS Flash

The **BIOS Flash** tab allows you to flash the BIOS of the device by manually uploading a BIOS cap file or selecting a BIOS cap file from the BIOS Cache.



Flashing the BIOS using ASUS Control Center is only supported on managed devices that are ASUS products.

- 1. You can upload or select your BIOS cap file using the following methods:
 - Manually uploading BIOS cap file
 - a. Select Manually Upload BIOS File in the BIOS Flash Type field.

SUS Control Center		14:44 🙂 🤪 🚯	Mathematics Administrator 🔒						
A System Overview >									
D BIOS Flash									
BIOS Information									
Manufacturer Name	ASUSTeK COMPUTER INC.								
System Product Name	R5720-E8-R524-E								
Baseboard Model Name	Z10PP-D24 Series								
Vendor	American Megatrends Inc.								
BIOS Version	3301								
BIOS Build Date	04/18/2016								
BIOS Flash Information									
BIOS Flash Type	Manually Upload BIOS File								
Upload BIOS	மி		Drop BIOS File Here or Click Upload BIOS File						
	CUpload BIOE File								
	System Overview > CLELAST Outs Information Mendacture Name System Product Name Basebook Model Name Vendor BIOS Strash Information BIOS Flash Information BIOS Flash Type	System Overview > D ELASTICSERVER > BIOS BOS Flash UD 5 Information Mendacturer Name ADUSTIK COMPUTER NC. System Product Name RST26 ER324 E Baseboard Model Name RST26 ER324 E Baseboard Model Name RST26 ER324 E BOS Vendar American Negationds Inc. BIOS Vendar BIOS Vendar BIOS Flash Information BIOS Flash Information BIOS Flash Information BIOS Flash Stype BIOS Flash BIOS Flash Stype BIOS Flash BIOS Fl	System Overview > DE ELASTICSERVER > BIOS Coos Fuel Coos Fuel						

b. Click on **Upload BIOS File** to select a BIOS cap file, or drag the BIOS cap file into the dotted square.

The uploaded BIOS cap file will automatically be added to the **BIOS Cache**.

System Overview > 1	LELASTICSERVER > BIOS	
O BIOS Flash		© Open
BIOS Information		
		Organize 🕶 Newfolder 🛛 🔠 🕶 🛙
Manufacturer Name	ASUSTeK COMPUTER INC.	Desktop 2 A Z10PP-D24-ASUS-3407
System Product Name	R\$720-E8-R\$24-E	Downloads Z10PP-D24-ASUS-3407 Type CAP File Size 16.0 MB
Baseboard Model Name	Z10PP-D24 Senes	Pictures #
Vendor	American Megatrends Inc.	📂 Network 🖉 🧅
BIOS Version	3301	File name: Z10PP-D24-ASUS-3407 CAP File (.cap)
BIOS Build Date	04/18/2016	Open Ca
BIOS Flash Information		
BIOS Flash Type	Manually Upload BIOS File	
Upload BIOS		
		Addpland BIOS File

- Selecting BIOS cap file from the BIOS Cache
 - a. Select Flash From BIOS Cache in the BIOS Flash Type field.

ASUS Control Center		15:42 😳 🚱 🚯 🜄 Administrator 🛔
A System Overview > □	ELASTICSERVER > BIOS	
\$		
BIOS Information		
Manufacturer Name	ASUSTeK COMPUTER INC.	
System Product Name	RS720-E8-RS24-E	
Baseboard Model Name	Z10PP-D24 Series	
Q Vendor	American Megatrenda Inc.	
BIOS Version	3301	
BIOS Build Date	04/18/2016	
BIOS Flash Information		
BIOS Flash Type	Flash From BIOS Cache	
BIOS Cache List	Z10PP-D24_3407	*
Automatic Reboot	Reboot after BIOS Flash	
Locator LED	Turn on (BMC only)	
Baseboard Model Name	Z10PP-D24	
BIOS Version	3407	
BIOS Build Date	01/11/2017	
BIOS Update Message	Please click the 'Flash' button to start the BIOS Flash.	
		Flash Cancel

b. Select a BIOS cap file to use from the **BIOS Cache List** drop down menu.

AS	ASUS Control Center 15:42 😳 🥥 🚯 🔤 Administrator 🛔							
*	중 System Overview > □ ELASTI	CSERVER > BIOS						
<u>ж</u>	BIOS Flash							
 ♦ Lat. 	BIOS Information							
	Manufacturer Name	ASUSTeK COMPUTER INC.						
	System Product Name	RS720-E8-RS24-E						
•	System Product Name Baseboard Model Name	KS/20-E0-KS24-E Z10PP-D24 Series						
a,	Vendor	210/H-U24 Series American Megatrenda Inc.						
2	BIOS Version	American negationas inc. 3301						
~	BIOS Version BIOS Build Date	3301 04/18/2016						
	BIOS Build Date	04/18/2016						
	BIOS Flash Information							
	BIOS Flash Type	Flash From BIOS Cache	*					
	BIOS Coche List	Z10PP-D24_3407	-					
	Automatic Reboot	Reboot after BIOS Flash						
	Locator LED	Turn on (BMC only)						
	Baseboard Model Name	Z10PP-D24						
	BIOS Version	3407						
	BIOS Build Date	01/11/2017						
	BIOS Update Message	Please click the 'Flash' button to start the BIOS Flash.						
			Flash Cancel					
	-							
_								

2. (optional) You may check the **Reboot after BIOS Flash** checkbox in the **Automatic Reboot** field to automatically reboot the device after BIOS has been flashed.

ASUS Control Center		15:40 🙂 🤪 🚯 🔛 Administrator 🛔
A System Overview > □ ELAS	STICSERVER > BIOS	
d BIOS Flash		
BIOS Information		
Manufacturer Name	ASUSTEK COMPUTER INC.	
System Product Name	R\$720-E8-R\$24-E	
Baseboard Model Name	Z10PP-D24 Series	
Q Vendor	Amorican Mogatronda Inc.	
C BIOS Version	3301	
BIOS Build Date	04/18/2016	
BIOS Flash Information	Manually Upload BIOS File	*
		Z10PP-D24-ASUS-3407.CAP
Upload BIOS		(16.00 MB)
Automatic Reboot	Reboot after BIOS Flash	
Locator LED	Turn on (BMC only)	
Baseboard Model Name	Z10PP-D24	
BIOS Version	3407	
BIOS Build Date	01/11/2017	
BIOS Update Message	Please click the 'Flash' button to start the BIOS Flash.	
		Flash Cancel

3. (optional) You may check the **Turn On(BMC only)** checkbox in the Locator LED field to turn on the Locator LED once BIOS Flash is completed.

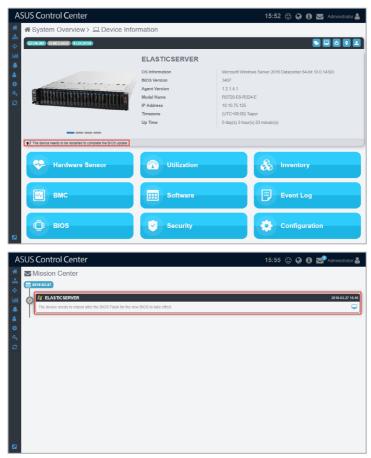
US Control Center		15:40 😳 🚱 🔂 🔀 Administr
Svstem Overview > .	□ ELASTICSERVER > BIOS	
© BIOS Flash		
BIOS Information		
Manufacturer Name	ASUSTeK COMPUTER INC.	
System Product Name	RS720-E8-RS24-E	
Baseboard Model Name	Z10PP-D24 Series	
Vendor	Amorican Mogatronda Inc.	
BIOS Version	3301	
BIOS Build Date	04/18/2016	
BIOS Flash Information	Manually Upload BIOS File	
Upload BIOS	ு	Z10PP-D24-ASUS-3407. (16.0)
		AUpload BIOS File
Automatic Reboot	Reboot after BIOS Flash	
Automatic Reboot Locator LED	Reboot after BIOS Flash Turn on (BMC only)	
Locator LED	Turn on (BMC only)	

4. Click **Flash** to begin the BIOS flash, then wait for the BIOS flash to be completed.

A	ASUS Control Center 15:40 😳 🤪 🚯 🔤 Administra						
*	중ystem Overview > □ ELAST	ICSERVER > BIOS					
표 승	BIOS Flash						
i v Lat	BIOS Information						
	Manufacturer Name	ASUSTeK COMPUTER INC.					
4	System Product Name	R5720-E8-R524-E					
۰.	Baseboard Model Name	Z10PP-D24 Series					
a,	Vendor	American Megatrenda Inc.					
C	BIOS Version	3301					
	BIOS Build Date	04/18/2016					
	BIOS Flash Information	Manually Upload BIOS File					•
	Uptoad BIOS	Allyboard BIOS File			Z10PP	-D24-A	SUS-3407.CAP (16.00 MB)
	Automatic Reboot	Reboot after BIOS Flash					
	Locator LED	Turn on (BMC only)					
	Baseboard Model Name BIOS Version	Z10PP-D24 3407					
	BIOS Version BIOS Build Date	01/11/2017					
	BIOS Update Message	Please click the 'Flash' button to start the BIOS Flash.					
						f	lash Cancel

ASUS Control Center 14:33 😳 🚱 🚯 🜌 Administrator 🛔							
🗳 🗥 System Overview > 🖵 ELAS	FICSERVER > BIOS						
BIOS Flash							
BIOS Information							
A Manufacturer Name	ASUSTeK COMPUTER INC.						
System Product Name	R\$720-E8-R\$24-E						
Baseboard Model Name	Z10PP-D24 Series						
A Vendor	American Megatrends Inc.						
C BIOS Version	3301						
BIOS Build Date	04/18/2016						
DIOS Flash Information							
BIOS Flash Type	Manually Upload BIOS File	· · · · · ·					
Automatic Reboot	III Rebot after BIOS Flash						
Locator LED	Turn on (BMC only)						
Baseboard Model Name	Z10PP-D24						
BIOS Build Date	3407						
BIO'S Build Date BIO'S Update Progress	100%						
BIOS Update Message	BIOS Updaled.						

5. Once the BIOS flash has been completed, a pop-up window will appear, prompting you to reboot the system, click **OK**. You can also view this message in the **Device Information** screen and **Mission Center**.



6. Reboot the device to complete the BIOS flash.

BIOS Setting



The **BIOS Setting** tab is only available on specific ASUS CSM products. For more information on ASUS CSM products that support ASUS Control Center, please refer to https://www.asus.com/Microsite/csm.

The **BIOS Setting** tab allows you to view and adjust the BIOS **Advanced**, **Boot**, **Monitor** and **Security** settings of the device, providing you with a quick way of adjusting BIOS settings without having to enter the BIOS menu of the device.



The BIOS settings may differ between devices. Please refer to the device's motherboard user manual for more information about the BIOS settings.

A	SUS Control Center			16:16 🙂 🚱 (🕽 🔛 Administrator 🛔
* #	System Overview > MEDIACE	NTER-2 > BIOS			
lah.	All Press Enter key to search X Clear				P Save
	Advanced				
•	Monitor				
a, 0	α _ν β ∎ Boot				
	► Fast Boot	Enabled	¥	Enables or disables boot with initialization of a minimal active boot option. Has no effect for DDS boot options.	et of devices required to launch
	Next Boot after AC Power Loss	Normal Boot	٣	[Normal Bord], Reknow to normal boot on the next boot after an AC pro- Bord]. Accelerates the beat speed en the next boot after an AC prove Select the additional using time block the POST(power-on self-left the BIOS soluto. The POST delay time is only recommended to be se system boot.	
	► POST Delay Time	3 sec	٠		
	Doot up NumLock State	Enabled	٠	Enable or disable the keyboard numlock during the syst	em boot.
	► OS Type	Windows UEFI mode	Y	[Windows UEFI mode]: Execute the Microsoft secure bo option when booting on Windows UEFI mode or other hit operating systems. [Other OIS] Select this option to get booting on Windows non-UEFI mode and Microsoft sec- operating systems. The Microsoft secure boot can only UEFI mode.	licrosoft secure boot compliant the optimized functions when are boot non-compliant

DMI Info

Under the SMBIOS standard, the **DMI Table** tab allows you to view details on certain items such as manufacturer name and hardware component information of the device without a hardware controller.

A	SUS Control Center		16:18 🙂 🚱 🚯 🐷 Administrator 🛔
*	중 System Overview > □ N	IEDIACENTER-2 > BIOS	
# ♦	🖨 BIOS Flash 🖀 BIOS Setting 🗖 DMI I	Info	
lad.	Press 'Enter' key to search		× Clear
*	System Information		
	Manufacturer	ABUSTeK COMPUTER INC.	
a,	Product Name	UNESU	
0	▶ Version	To be filled by O.E.M.	
	Senal Number	G9MSAC010517	
	► UUID	CAB6BAC67680E61190749C5C8E018F7D	
	 SKU Number 	SKU	
	Family	Vivo PC	
	🖿 Baseboard		
	System Enclosure		
	ayatem Enclosure		
	DEM Strings		

2.2.8 Security

This item allows you to set permissions on the device for the **Registry Editor**, **USB Storage Device**, and **Watchdog**. For more details on setting permissions for the device, refer to **3.3.3 Setting the device security**.



Linux systems only supports Watchdog.

For Windows[®] system:

A	SUS Control Center		18:20 🙄 🤪	🚯 🔛 Administrator 🚔
*	System Overview > 🖵 ELAST			
ан ф	Registry Editor			
Ш. А. Ф		Move the slider to senable or disable the Windows 8 Registry Editor.		
۹. ت	USB Storage Device			_
8		Move the alider to enable or disable the USB storage device.		
	WatchDog			
		Move the slider to enable or disable the WetchDog function, which automatically detects a	and protects the server from	crashes

For Linux system:

A System Overview > L KubernetesMaster > Security Wetshop Move the sider to evalue or duate the WatchDug function, which automatically describ and protects the server from creates.	A	ontrol Center 18:33 😳 🚱 🚯 🔤 Administrator 🛔
Victobig Move the side to enable of disable the WatchDog function, which automatically detects and protects the server from creatives. Or		tem Overview > 🖵 KubernetesMaster > Security
Kove the side to enable or diable the WatchCog function, which automatically detects and protects the server from cashes.	¢	a 💶
	* * 0	Move the sider to enable or disable the WhichCorg function, which automatically detects and protects the server from crushes.
	_	

Registry Editor (Windows only)

The **Registry Editor** allows you to enable or disable access to Regedit Tool in Windows[®] by the managed device's user. Click the slider to enable or disable the **Registry Editor**.

A	SUS Control Center		18:20 🙂 🚱 🔂 🔤 Administrator 🛔
*	System Overview >	ICSERVER > Security	
ф. ф.	Registry Editor		
⊥ ▲ ▲ ○		Move the slider to enable or cloathe the Windows& Registry Folio:	
a, 0	USB Storage Device		
5		Move the slider to enable or disable the USB storage device.	
	WatchDog		
		Move the slider to enable or disable the WatchDay function, which automatically detected	a and protects the server from catabas

USB Storage Device (Windows only)

USB Storage Device allows you to enable or disable access of a USB storage device connected to a USB port on the managed device. You can also set USB storage devices to read-only permissions by checking the **Read Only** checkbox. Click the slider to enable or disable **USB Storage Device**.

A	SUS Control Center		18:20 😳 🚱 🚯 🔛 Administrator 🛔
*	System Overview > □ ELAST	ICSERVER > Security	
*	Registry Editor		
□Щ ▲ ▲ ○		Moves the solider to estable or disable the Windowski Registry Follor	
a. 0	USB Storage Device		
č	<i>s</i>	Move the silder to enable or disable the USB storage device.	
	WatchDog		
		Move the sidder to enable or clouds the WetchDog function, which automatically detects	and protects the server from catabas

Watchdog

Watchdog allows you to enable or disable the Watchdog timer. When the watchdog timer in unresponsive due to hardware fault or program error, it will reboot the device. Click the slider to enable or disable **Watchdog**.



Auto Restart needs to be disabled on Windows[®] Server 2016 or later versions for **Watchdog** to successfully reboot the device when required. To disable **Auto Restart**, search for **Control Center** in the Windows Search Box, then navigate to **System > Advanced System Settings > Startup and Recovery**.

A	SUS Control Center		18:20	© 6	• •		Administrator	4
*	System Overview >	ICSERVER > Security						
-#- ♦	Registry Editor							
		Mover the slider to enable or disable the Windows 00 Registry Filter						
۹. ۲	USB Storage Device							•
	<i>s</i>	Move the allder to enable or disable the USB storage device.						
	WatchDog							•
		Move the skiller to enable or dhadde the WatchDog forction, which automatically detects	and protects t	ne særver fr	om crash	175.		

2.2.9 Configuration

This item allows you to configure the interval at which hardware and utilization sensors are checked, and set the interval which the agent will respond to the server's requests. You can also set a password which has to be entered when removing the agent from the managed device.

A	SUS Control Center				17:52 😳 🚱 🔂 🔽 Administrator 🛔
46 25		CSE	ERVER > Cont	figu	iration
٠	Agent Configuration				E Sare
Lad.	Hardware sensor interval	-	30	+	seconds
1	Utilization time interval	-	30	+	seconds
•	Agent response timer	-	10	+	seconds
& C	Agent Uninstall Password				•
		Here	you can set your password	to uni	nstall the ASUS Control Center agent from this device or disable the function entirely
۵					

Agent Configuration

Configure the interval at which hardware and utilization sensors are checked, and the interval at which the agent will request updates on tasks from the ASUS Control Center server. You can configure these options by clicking on +/- to increase or decrease the time, then click **Save** to save the changes made.

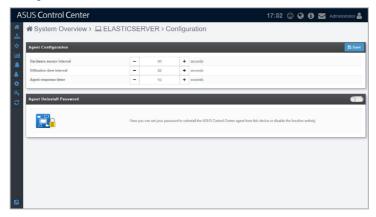
A.	SUS Control Center				17:52 🙂 🚱 🚯 🔤 Administrator 🛔
# 44	System Overview >	SE	ERVER > Cont	figu	Iration
\$	Agent Configuration				E Save
Lat.	Hardware sensor interval	-	30	+	seconds
	Utilization time interval	-	30	+	seconds
	Agent response timer	-	10	+	seconds
9.		_		_	
C	Agent Uninstall Password				• <u> </u>
		Here	you can set your password	to un	install the ASUS Control Conter agent from this device or deable the function entirely

	Interval in seconds at which the hardware sensor information is sent to the ASUS Control Center server.
Hardware sensor interval	The default is set to 30 seconds, which means that every 30 seconds the agent will report items such as fan disconnected back to the ACC server, and the ACC server will update this fan status within 30 seconds of receiving this report from the agent.
	Interval in seconds at which the utilization information is sent to the ASUS Control Center server.
Utilization time interval	The default is set to 30 seconds, which means that every 30 seconds the agent will report items such as CPU stress test back to the ACC server, and the ACC server will update this CPU status within 30 seconds of receiving this report from the agent.
	Interval in seconds at which the agent will query the ASUS Control Center server for task updates.
Agent response timer	The default is set to 10 seconds, which means that every 10 seconds the agent will query the ACC server for new tasks. For example, when you set the Registry to disabled on the ACC server, the device will query the ACC server and receive this task, then perform this task within 10 seconds of receiving the task.

Agent Uninstall Password

Set a password for agent uninstallation. The user will be prompted to enter the password when they want to uninstall the agent.

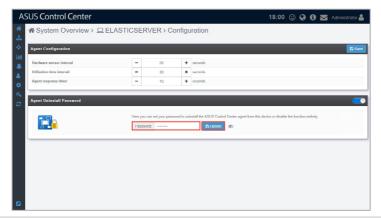
1. If Agent Uninstall Password is not enabled, click on the slider to enable it.



2. A pop-up window should appear, enter the password you wish to use, then click **Save**.

gent Unin:	stall Password	
lease type th	e password that you want to set as the age	nt uninstall password of the device

3. (optional) You can edit the password by entering a new password into the **Password** field, then clicking on **Update**.



2.3 VM Overview

The VM overview screen allows you to view all VMware vSphere Hypervisors as well as view the virtual machines of each vSphere device. The VM Information list displays details on all the virtual machines on the hypervisor, including CPU usage, Disk usage, Guest OS, and IP address.

To access the VM Overview, click **M** > VM Overview from the left menu.

Press 'Enter' key to sear	ch	× Clear						🛓 Export 🔠 Opti
Virtual Machine	Guest OS	VM Host Name	CPU Usage	Memory U	Disk Usage	IP Address	VCPU	Fields
TensorDev.ssdtest.com	ı (13)		1					✓ ØVirtual Machine
SUSE12_sp2	🚙 SLES 12 (x04)		0%	0%	95%		2	✓ ØGuest OS
ACC_1.3.0.X	CentOS 4/6/6/7 (x64)	ACC-trunk	0%	3%	28%	10.10.75.82;fe	4	✓ ØVM Host Name ✓ ØCPU Usage
ACC_1.2.1.X	CentOS 4/5/6/7 (x64)	ACC-Branch-121	1%	17%	26%	10.10.75.83;fe	4	✓ ☐CPU Used
w2008vcenter	Server 2008 (x64)	vcenter61	0%	2%	65%	2001:db8:0:1:	4	✓ □CPU Capacity
Centos7	CentOS 4/5/6/7 (x64)	dce1809	0%	4%	100%	10.10.75.209;	6	✓ [☑]Memory Usage
3 ACC_1.2.0.X	🍄 CentOS 4/5/6/7 (x64)	ACC-Branch120	0%	0%	27%	10.10.75.84;fe	4	✓ □Active Guest Mer
🔮 w2008	🎥 Server 2008 (x64)		0%	0%	52%		4	✓ □Consumed Host I
🚰 gpfs	🍄 CentOS 4/5/6/7 (x54)		0%	0%	51%		4	✓ ☐Memory Capacity
TestPXE	A CentOS 4/6/6/7 (x64)		0%	0%	88%		1	✓ ☑Disk Usage
ASUSControlCenter	CentOS 4/5/6/7 (x64)		0%	0%	92%		4	Storage Used Storage Capacity
Oracle	🎒 Server 2008 (x64)		0%	0%	65%		8	 ✓ [7]IP Address
Bubuntu16.10	🗳 Ubuntu (x64)		0%	0%	89%		4	✓ ØvCPU
Centos_Idap	CentOS 4/5/6/7 (x64)		0%	0%	54%		2	✓ ☐Hypervisor Name
								Row Groupings Hypervisor Name

- Ø
- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to 2.1.4 Search and Filter devices section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.
- Click on the name of a column header to sort the filter results alphabetically.
- If VMware Tool is not installed, some items may not be displayed, such as IP address. To view all information about VMware vSphere installed, ensure to install VMware Tool.

Exporting VMware vSphere Hypervisors list

You can export the list of VMware vSphere Hypervisors, virtual machines and metadata in the **VM Information** block to a .csv file by clicking on **Export**.



Only metadata columns that are shown in the **VM Information** block will be exported to the .csv file. To add more metadata columns to the **VM Information** block, click on **Options**, then check the metadata item you wish to display.

Press 'Enter' key to sear	ch	× Clear						
Virtual Machine	Guest OS	VM Host Name	CPU Usage	Memory U	Disk Usage	IP Address	VCPU	Fields
TensorDev.ssdtest.com	ı (13)							✓
SUSE12_sp2	🚛 SLES 12 (x64)		0%	0%	95%		2	✓ ✓ Guest OS ✓ ✓ WHost Name
ACC_1.3.0.X	CentOS 4/6/6/7 (x64)	ACC-trunk	0%	3%	28%	10.10.75.82;fe		VI VM Host Name
ACC_1.2.1.X	CentOS 4/6/6/7 (x64)	ACC-Branch-121	1%	17%	26%	10.10.75.83;fe	4	CPU Used
w2008vcenter	穳 Server 2008 (x64)	vcontor61	0%	2%	66%	2001:db8:0:1:	4	✓ □CPU Capacity
🚰 centos7	🛟 CentOS 4/5/6/7 (x64)	dco1809	0%	4%	100%	10.10.75.209;	6	✓ ☑ Memory Usage
ACC_1.2.0.X	CentOS 4/5/6/7 (x64)	ACC Branch120	0%	0%	27%	10.10.75.84;fe	4	✓ □Active Guest Memo
🚰 w2008	穳 Server 2008 (x64)		0%	0%	62%		4	✓ □Consumed Host Me
🚰 gpts	🛟 CentOS 4/5/6/7 (x54)		0%	0%	61%		4	✓ ☐Memory Capacity
TestPXE	CentOS 4/5/6/7 (x64)		0%	0%	88%		1	✓
A SUSControlCenter	👬 CentOS 4/5/6/7 (x64)		0%	0%	02%		4	✓ Storage Osed
🚰 oracle	🎥 Server 2000 (x54)		0%	0%	65%		8	✓ [J]IP Address
ubuntu16.10	🔮 Ubuntu (x64)		0%	0%	09%		4	✓ ØVCPU
🚰 centos_ldap	CentOS 4/5/6/7 (x64)		0%	0%	54%		2	✓ □Hypervisor Name
								Row Groupings Hypervisor Name

2.4 Host Information



- The screenshot may vary between agent and agentless devices, for more details on viewing details on devices with agents, refer to 2.2 Device Information.
- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to 2.1.4 Search and Filter devices section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.

The **Host Information** screen gives you various functions to view the status and manage the selected hypervisor.

To access the **Host Information** of a hypervisor, you can use the following methods:

- From System Overview:
 - 1. Click 🚳 > System Overview in the left menu.
 - 2. Click on the hypervisor you wish to see more details about in the **Devices** list.



VMware vSphere will display a 🔁 icon in the OS Information column.

- From VM Overview:
 - 1. Click 🕋 > VM Overview in the left menu.
 - 2. Click on a VM of a hypervisor you wish to see more details about in the VM Information list.

US Control Cent	ter				17:46	🙂 🚱 🕄 🖉 /	
☆ VM Overview >	🖵 Host Informati	on					
Conine					: Cf	PU 1%	
Hypervisor Type	VMware ES	Xi 6.0.0 build-2809209		440 MHz / 20 CPUs X 2100 MHz			
Host Name	TensorDev.s	isdtest.com					
Manufacturer	ASUSTeK C	OMPUTER INC.			ditte	EMORY 94%	
Model Name	Z9PP-D24 3	Series					
Processor Type	Intel(R) Xeo	n(R) CPU E5 2660 v2 @ 2.20Gł	-lz				
Processor Sockets	2			DI	SK 43%		
Logical Processors	40		\square	4.83 GB / 2/86.59 GB			
Hyperthreading		Active					
Number of NICs	4						
Q Chark Humanisor status 6	minutos ano				❤ ™		
Check Hypervisor status: 6	minutes ago		_		- V - 0**		
	minutes ago	¥ Clear	-			rer Control 🕹 Export	C Option
VM Information Press 'Enter' key to search Virtual Machine	Guest OS	VM Host Name	CPU Us	Memory Usage	O Pow Disk Usa	rer Control	VCPU
VM Information Press 'Enter' key to search Virtual Machine S S W2000vcenter	Guast OS	VM Host Name vcenter61	0%	0%	Disk Usa	rer Control Export IP Address 2001:db8:0:1:e84b: 4	VCPU
VM Information Press 'Enter' key to search. Virtual Machine Wirtual Machine Key W2009vcenter Gamma ACC_1.2.0.X	Guest OS 2010 (st64) 2010 (st64) 2010 (st64)	VM Host Name vcenter61 ACC-Branch120	0% 0%	0%	() Pow Disk Usa 85% 27%	rer Control L Export IP Address 2001:db8.0:1:e84b 4 10.10.75.84;te80:2 4	VCPU
VM Information Press 'Enter' key to search. Virtual Machine G & W2000vcenter G & CC_1.2.0.X ACC_1.2.1.X	Guest OS 5 Server 2016 (r64) CentOS 45/67 (r64) CentOS 45/67 (r64)	VM Host Name vcenter61 ACC-Branch120 ACC-Branch-121	0% 0% 1%	0%	() Pow Disk Usa 85% 27% 28%	rer Control & Export IP Address 2001:db8:0:1:e84b4 10.10.75.83,te80:24	VCPU
VM Information Press 'Enter' key to search. Virtual Machine Wirtual Machine Key W2009vcenter Gamma ACC_1.2.0.X	Guest OS	VM Host Name vcentar61 ACC-Branch120 ACC-Branch121 ACC-runk	0% 0%	0%	() Pow Disk Usa 85% 27%	rer Control	VCPU
VM Information Press 'Enter' key to search. Virtual Machine Wirtual Machine W X000vcenter ACC_12.0.X ACC_12.1.X ACC_13.0.X	Guest OS Cent0 5 4567 (x54) Cent0 5 4567 (x54)	VM Host Name vcenter61 ACC-Branch120 ACC-Branch-121	0% 0% 1% 0%	0% 1% 1% 13% 2%	C Pow Disk Usa 27% 28% 28%	rer Control & Export IP Address 2001:db8:0:1:e84b4 10.10.75.83,te80:24	VCPU
VM Information Press Titler key to search Virtual Machine Virtual Machine SACC_12.0X	Guest OS	VM Host Name vcentar61 ACC-Branch120 ACC-Branch121 ACC-runk	0% 0% 1% 0%	0% 1% 13% 2% 0%	C Pow Disk Usa 27% 28% 28% 50%	rer Control	VCPU
VM Information Press Timer key to search Virtual Machine C Virtual	Guest OS @ Server 2008 (r64) @ CentOS 4.5667 (r64) @ CentOS 4.5667 (r64) @ CentOS 4.5667 (r64) @ CentOS 4.5667 (r64) @ Server 2008 (r64)	VM Host Name vcentar61 ACC-Branch120 ACC-Branch121 ACC-runk	0% 0% 1% 0% 0%	0% 1% 1% 13% 2% 0% 0%	Disk Usa 27% 28% 28% 56%	rer Control	VCPU
VM Information Press Enter key to search. Virtual Machine Av000vcenter Av000vcenter Av000vcenter Av000vcenter Av00vcenter Av00vc	Guart OS Ø Server 2008 (66) Ø CentOS 4.6667 (66) Ø CentOS 4.6667 (66) Ø CentOS 4.6667 (66) Ø CentOS 4.6677 (66) Ø CentOS 4.6677 (66) Ø Server 2008 (66) Ø Server 2008 (64)	VM Host Name vcentar61 ACC-Branch120 ACC-Branch121 ACC-runk	0% 0% 1% 0% 0% 0%	0% 1 4% 13% 2% 0% 0% 0% 0%	C Pow Disk Usa 27% 28% 28% 65% 65%	IP Address Export IP Address 10:07.5 83:4802.2.4 10:10.75.83:4802.2.4 10:10.75.83:4802.2.4 10:10.75.82:4802.2.4 10:10.75.20:9:17.2.1.6 10:10.75.20:9:17.2.1.6 4	

Device Statuses and Quick Buttons

	Connection status:	This item displays the connection status of the selected managed device.
\sim	Metadata Editor:	This item allows you to edit the metadata of the hypervisor by double clicking in the Value field.
C	VMware ESXi:	This item allows you to link to the vSphere Web Client management interface.
		VMware ESxi link is only available if a Web Client



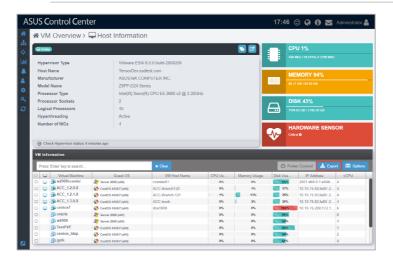
VMware ESxi link is only available if a Web Client management interface link is detected.

Exporting VM Information

You can export the virtual machines and metadata of the selected hypervisor to a .csv file by clicking on **Export**.



Only metadata columns that are shown in the **VM Information** block will be exported to the .csv file. To add more metadata columns to the **VM Information** block, click on **Options**, then check the metadata item you wish to display.



Setting Power Control

You can control the power settings of selected VM(s) from the VM Information block allowing you quick access to power controls such as powering on and off, and rebooting selected VM(s).



The Power Control options may vary between VMs and is controlled by the **VMware Tools** application managing the VM.

- 1. Select the VMs you would like to apply the power control option to.
- 2. Click on **Action**, then select the power control option you would like to apply to the selected VMs.



Accessing remote desktop

The remote control function provides a flexible interface for device management through the desktop or command-line accessed in ASUS Control Center. You can quickly access the remote desktop of VMs from the **VM Information** block.



VMware Tools is required on the VM device you wish to use remote desktop on.

- 1. Select a VM from the VM Information block.
- 3. Select a resolution to display the managed device in the Remote Desktop window.
- 4. Select the login Account type, then enter the **Account**, **Password**, and **Domain** information.



- Local Account: The agent's administrator privileges only allow you to manage the device the agent is installed on.
- Domain Account: The agent's administrator privileges allow you to manage all devices in the domain. The Domain field only appears if you selected Domain Account.

5. Select the protocol to use when connecting, then click **Login**.



Linux and Windows[®] systems use different protocols, ensure the device is reachable through the selected protocol:

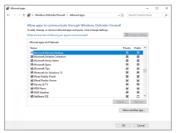
- RDP: Available on Windows only; allows only a single user to view and configure at the same time.
- VNC: Available on both Windows and Linux; allows multiple users to view and configure at the same time.
- ASUS Control Center * System Overview > Remote Desktop * Control Center * System Overview > Remote Desktop * Control Cesktop Login * Control
- SSH: Available on Linux only.



- Ensure the device you wish to remote control has a stable power supply and Internet connection.
- The device may be remote controlled if it is logged out or locked, but cannot be remote controlled if the device is powered off or in sleep mode. If the device is in sleep mode, please wake the device using the Wake-on-LAN function.
- Please ensure that the following two items are checked on the remote device and enabled to allow remote connections to the remote device. Search for Control Panel in the Windows Search Box, then navigate to System > Advanced System Settings > Remote.



 Please ensure that the Microsoft Remote Desktop application is enabled in the Windows Defender Firewall Allowed Apps list. Search for Control Panel in the Windows Search Box, then navigate to Windows Defender Firewall > Allowed Apps.



 Once the login has been successfully authenticated, you will be logged into the desktop or command line of the device system; this varies between systems.



To switch mouse and keyboard control to the ASUS Control Center, press <Ctrl> + <Alt> on the keyboard. To switch mouse and keyboard control back to the remote device, click in the remote device window.

7. Click on the Menu Path at the top of the screen, or click on another menu item from the left menu to end the remote session.

Chapter 3

This chapter describes how to deploy ASUS Control Center agents and remove agents through Microsoft[®] Active Directory or manually. You may also add and manage agentless VMware.

Deployment

3.1 Agent Management

The **Agent Management** screen allows you to manage agent deployment, removal or view the Agent Deploy Report. You can automatically or manually deploy and install new ASUS Control Center agents on devices and add them to the ASUS Control Center server for convenient management, monitor and control.

Refer to the **Appendix** for more details on the ASUS Control Center agent system requirements.

To access Agent Management, click 🚠 > Agent Management in the left menu.

A	SUS Control Center	16:00 🙂 🤪 🚯 🚾 Administrator 🛔
*	🚠 Agent Management	
-# -	Deployment Management	
[□ + ◎ + □ ×	
• * ~	Deploy Agents Scan Deploy Remove Agents	
ø	Manual Installation of an Agent	
	Windows Agent	
	Task Report	
	Agent Deploy	



- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to 2.1.4 Search and Filter devices section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.

3.1.1 Deploy Agents

The **Deploy Agents** function allows you to add devices you wish to deploy agents to. You can enter a single device, or multiple devices to be scanned, and then deploy agents to the scanned devices.

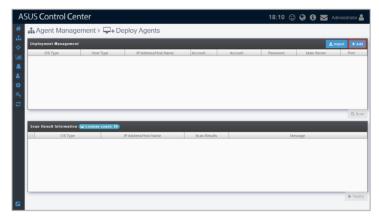


You may exchange 500 sets of CSM License Keys for 1 set of Server License Key to enable the automatic Windows Agent deployment function (**Deploy Agents**). Please contact your local ASUS Sales representative and/or TPM for more information.

Deployment Manag	ement					± import ±	Export +
OS Type	Host Type	IP Address/Host Name	Account	Account	Password	Main Server	Port
Nindows	φ	10.10.75.125	local	Administrator		10.10.75.123	8080
🛆 Linux	ID .	10.10.75.103	local	root		10.10.75.123	8080
	ation (C License count Type	IP Address/Host Name	Scan Resi	ds.		Message	
08	.78-						
Support (2)							
 Support (2) Windows 	10.10	.75.125	Support	OK			
Support (2)		.75.125 .75.103	Support Support		ul, Please check your 'E	MC ⁺ is installed, it cannot n	nonitor hards
 Support (2) Windows 					ul, Please check your 'E	MC ⁺ is installed, it cannot n	nonitor hardv

Adding a single device

1. Click on Add.



2. The IP and port of the main server should already be filled in, if not please enter the IP address and Port of the main ACC server.

d Target Host			
Main Server	10.10.75.123	Port	8080
OS Type	# Windows		
Host Type	 IP Address Host Name 		
	10.10.75.125		
Account Type	Local Account Domain Account	t	
Account	Administrator		
Password			
		× Ca	ancel 🖺 Save

3. Select the **OS Type** of the device you wish to add from the **OS Type** drop down menu, then select the **Host Type**.



• IP Address: Enter the IP address of the device.

• Host Name: Enter the name of the device.

Selecting Windows[®] system:

Add Target Host				×
Main Server	10.10.75.123	Port	8080	
OS Type	# Windows			•
Host Type	IP Address Host Name			
	10.10.75.125			
Account Type	 Local Account Domain Account 			
Account	Administrator			
Password				
		× Ci	ancel	🖺 Save

Selecting Linux system:

Add Target Host			×
Main Server	10.10.75.123	Port	8080
OS Туре	∆ Linux		Ŧ
Host Type	IP Address		
	10.10.75.103		
Account	root		
Password			
		× Ca	ancel 🖺 Save

4. Select the **Account Type**.



Local Account: The agent's administrator privileges only allow you to manage the device the agent is installed on.

• Domain Account: The agent's administrator privileges allows you to manage all devices in the domain.

Selecting Local Account:

Add Target Host				×
Main Server	10.10.75.123	Port	8080	
OS Type	Windows		•	,
Host Type	IP Address			
	10.10.75.125			
Account Type	Local Account O Domain Account			
Account	Administrator			
Password				
		× Ca	ancel 🖪 Save	

Selecting Domain Account:

Add Target Host			×
Main Server	10.10.75.123	Port 8080	
О\$ Туре	Windows		¥
Host Type	 IP Address Host Name 		
	10.10.75.125		
Account Type	Local Account Domain Account		
Domain	asus.com		
Account	Administrator		
Password			
		X Cancel	e



When selecting Local Account as the Account type, and Windows as the OS Type for a device, ensure to configure your managed device settings as shown in Agent deployment conditions and settings.

5. Enter the **Account** and **Password** for the administrator account of the device, then click on **Save**.

Add Tar	rget Host			×
ı	Main Server	10.10.75.123	Port	8080
	OS Type	Windows		¥
	Host Type	IP Address		
		10.10.75.125		
Ac	count Type	 Local Account Domain Account 		
	Account	Administrator		
	Password			
			× Ca	ancel 🖺 Save

- 6. Repeat steps 1 to 5 to add additional devices to be scanned, or refer to the **To add multiple devices** section to import a list of devices.
- 7. Once you have added all the devices to scan for, click on **Scan**.

Deployment Manage	ement					🏝 Import 📑	Export +
OS Type	Host Type	IP Address/Host Name	Account	Account	Password	Main Server	Por
Nindows	ip	10.10.75.125	local	Administrator		10.10.75.123	8080
🛆 Linux	lp	10.10.75.103	local	root		10.10.75.123	8060
							c
Scan Result Inform	ation (🖵 License count:	99					C
Scan Result Inform		99) II? Address/Host Name	Scan Resu	RS		Message	C
			Scan Resu	R5		Mcssage	C
			Scan Resu	RS	-	Message	C
			Scan Resu	85	_	Message	.

8. The scanned results will be displayed in the **Scan Result Information** block. Select the devices you wish to deploy agent then click **Deploy**.

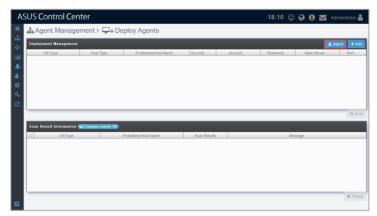


Unavailable devices will be listed as **Not Support**. You may click on the device to view details on why it is unavailable.

Server 1 3 8080 3 8080
3 8080
_
it cannot monitor ha

Adding multiple devices

1. Click on Import.



2. Select the CSV file to import and click **Open**.

AS	5US Control Center	19:11 🙂 🤪 (🕄 🔀 Administrator 🖁
*	🚓 Agent Management > 🖵 + Deploy Agents		
ф ф	Deployment Management		± Import + Add
<u>lait</u>	OS Type Host Type IP Address/Host Name Account Account	Password Ma	in Server Port
٠			
а, С			
ĩ			Q. Scan
	© Open		×
	← → + ↑ ↓→ This PC → Downloads Organize → New folder	~ ð	Search Downloads ,0
	Today (1)		
	3 30 Objects Destrop		
	- Downsteads		
	Music Pictures		
	File nume: Devices List	×	Microsoft Excel Comma Separa ~ Open Cancel

3. Once the CSV file is successfully imported, click on **Scan**.

You may edit items added by clicking on it before scanning.

🚠 Agent Ma	hageme	nt > 🖵+	Deploy Agen	11.5						
Deployment Mana	ement								ᆂ Import	🛓 Export 🕓
OS Type		Host Type	IP Address	/Host Name	Account .	Ac	count	Password	Main Serve	er Po
Nindows	ip.		10.10.75.125		local	Administra	lor		10.10.75.123	8080
👌 Linux	ip.		10.10.75.103		local	root			10.10.75.123	8080
										C
_	1 7- (?-			_	Devices List - Ex		_	_		w – u
] ' '୨~ (?~ Sert Page Li		as Data Review	View Help						
File Home In	sert Page Li	ayout Formul		View Help			9 1	📷 🗷 Insert	ε - Σ· Α	w – u
File Home In	sert Page Li ~ 1	oyout Formul	== *~ %	Wrop Text	lp O Searc	h	tional Format as	Cell Delet	Σ· ΔΥ	tet – L Share P Comr
File Home in Paste Da v Paste d	sert Page Li ∽∏ ⊻ ~ ⊞ ~	ayout Formul 1 ··· A^ A* =		Wrop Text Merge & Center	ip O Searc General \$ ~ % \$	h Start Cond Formu	tional Format as Iling = Table =	Cell Iyles - Eorm	S → ∑ → A ↓ Z ↓ Z sort & at × Sort & At × Sort & At × Sort &	D = U Share P Comp Find δ_t Select =
File Home in Patte D - Cipboard S	sert Page Li ↓1 U ~ ⊞ ~ Font	ayout Formula $1 = A^{*} A^{*}$ $\Delta^{*} \times A^{*}$ g_{2}	E = ♥~ (\$) E = E = E = Ø Alganeet	Wrop Text Merge & Center	lp O Searc	h	tional Format as	Cell Delet	S → ∑ → A ↓ Z ↓ Z sort & at × Sort & At × Sort & At × Sort &	tet – L Share P Comr
File Home in Patte D - Cipboard S	sert Page Li ∽∏ ⊻ ~ ⊞ ~	ayout Formula $1 = A^{*} A^{*}$ $\Delta^{*} \times A^{*}$ g_{2}	E = ♥~ (\$) E = E = E = Ø Alganeet	Wrop Text Merge & Center	ip O Searc General \$ ~ % \$	h Start Cond Formu	tional Format as Iling = Table =	Cell Iyles - Eorm	S → ∑ → A ↓ Z ↓ Z sort & at × Sort & At × Sort & At × Sort &	D = U Share P Comp Find δ_t Select =
File Home in Patte 5 Calibn Patte 5 Calibn B 7 Cipboard fb A1	sert Page Li ↓ 11 ↓ ↓ 11 ↓ Font × ↓ &	ayout Formul 1 VA^A' A' 2 VA^V A' 5	E = * · · (2) Algorithm D	Wrop Text Merge & Center 、 E	Ip , P Searc General S ~ % 9 Number	G	tional Format as ling - Table - S Styles H	Cell tyles - Cells	E T T T T T T T T T T T T T	Share Come Share Come Find & Select - Ideas
File Home In Parts A Calibra B Calibra B Calibra B A1 · · · · · · · · · · · · · · · · · · ·	sert Page Li ∽ T U ~ ⊞ ~ Font × √ fr	ayout Formul 1 ····································	E = * · · (2) Algorithm D	Wrop Text Merge & Center 、 E	Ip O Searc General * % % Number F accountType	h Cond Formula Sa	tional Format as ling - Table - S Styles	Cell Iyles - Eorm	\downarrow $\Sigma \sim A_{\nabla}$ $e \sim \Box \sim Z_{\nabla}$ $e \sim Sout R$ $e \sim Sout R$ $e \sim Edting$	Share Come Share Come Find & Select - Ideas

4. The scanned results will be displayed in the **Scan Result Information** block. Select the devices you wish to deploy agent then click **Deploy**.

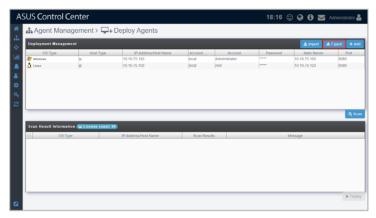
Unavailable devices will be listed as **Not Support**. You may click on the device to view details on why it is unavailable.

No minowi p no. 10. 10. 12. 12. Incar polini istator	Password 10	Main Server	P
	10		
A Linear ID 10 10 75 102 Incel root			8080
	10.1	10.75.123	8080
Scan Result Information Eleanse count: 97 V OS Type IP Address/Host Name Scan Results	Messag		
Support (2)	Messay	e	
CK 10.10.75.125 O Support CK			_
🗑 🛕 Linux 10.10.75.103 💿 Support Scan Sucessful, Ple	ase check your 'BMC' is i	installed, it cannot mon	nitor har
			_

Ø

Exporting Deployment Management list

You can export the list of devices added to the **Deployment Management** list to a CSV file by clicking on **Export**. You can edit the exported CSV file using a text editor.



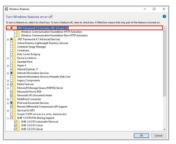
Agent deployment conditions and settings

You may encounter problems when deploying agents to managed devices, if you do, you can first do a check and see if any of the following settings will resolve the problem.



The examples used in this section are all based on Windows[®] 10.

- Ensure the device has sufficient power and a steady connection to prevent packet loss when deploying the agent.
- Windows[®] Home or lower versions of Windows[®] are not supported by ASUS Control Center.
- For Windows[®] 8 and above, or Windows[®] Server 2012 and above, ensure that .Net Framework 3.5 is enabled by searching for Control Panel in the Windows Search Box, then navigating to Programs > Programs and Features > Turn Windows features on or off, then check the .NET Framework 3.5 checkbox to enable it.



The Administrator account of the client is enabled and has a password set. (Windows disables the Administrator account by default, to enable the account search for Computer Management in the Windows Search Box, then navigating to System Tools > Local Users and Groups > Users > Administrator, right click and select Properties, then uncheck the Account is disabled field, and click OK)



• Private and Public should be checked in the File and Printer Sharing option by searching for Control Panel in the Windows Search Box, then navigating to System and Security > Windows Firewall > Allow an app or feature through Windows Firewall, then checking both Private and Public checkboxes in the File and Printer Sharing field.

Allow apps to communicate through Windows Defender Firewal				
To add, change, or remove allowed apps and ports, click Change settings.				
What are the risks of allowing an app to communicate?	(Ç Ch	ange sett	ings	
Allowed apps and features:				
Name	Private	Public	^	
Dies Track	8	2		
R DIAL protocol server	8			
Distributed Transaction Coordinator				
FDNS Server Forward Rule - TCP - 5fa74a5c -4750 -468a -a58f -1004551a020d - 0	50	8		
DNS Server Forward Rule - UDP - 5fa74a5c-4750-468a-a98f-1004551a020d - 0		8		
Duolingo - Learn Longuages for Free	8	8		
E Eclipse Manager	8	8		
Email and accounts	8	8		
Excel Mobile	8	8		
22 Facebook	58	8		
S Feedback Hub		8		
Ele and Printer Sharing	×	¥	~	
Det	left-r	Remov	c i	
		other so		
	Allow B	CEERE AD	Pro	

 User Account Control: Admin Approval Mode for the Built-in Administrator account should be disabled. To disable this option, search for Local Security Policy in the Windows Search Box, then navigate to Local Policies > Security Options, then double click on User Account Control: Admin Approval Mode for the Built-in Administrator account and set it to Disabled, then click OK.

iser Account Control	Admin Approval Mode for the Buil	?	×
Local Security Setting	Explain		
User Accou Administration	nt Control: Admin Approval Mode for the Bu r account	it in	
Chabled			
	OK Cancel	10	Ργ

3.1.2 Scan and Deploy

The **Scan and Deploy** function allows you to scan an IP range and display the managed devices which meet your set requirements for agent deployment, these requirements may vary from operating system to and connection status. The scanned results also show which devices you can deploy new agents to and the devices you cannot deploy too as well as the reason these devices cannot be deployed to. This makes it easy for you to quickly filter out all managed devices you wish to deploy agents to and then deploy agents to selected devices, saving you the time taken to manually deploy agents to each managed device individually.

		l Center			~ •	 Administr
њ А	gent Ma	anagement >	\$\Phi\$+ Scan Deploy			
Scan	Result Info	rmation (Clicense	count: 493)			Q Scar
Pre	ss 'Enter' key	to search	× Clear			
	OS Type	IP Address	Message			_
= •	Support (2)					
8 🦧	Windows	0 10.10.76.189	OK			
2 🧥	Windows	0 10.10.75.214	OK .			
- •	Not Supporte	d (26)				
1	Windows	0 10.10.75.188	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND			
1	Windows	● 10.10.75.190	FAILURE - ping 10.10.75.190			
1	Windows	10.10.75.191	FAILURE - ping 10.10.75.191			
1	Windows	• 10.10.75.192	Unable to connect to the target device , error message . NT_STATUS_OBJECT_NAME_NOT_FOUND			
2	Windows	10.10.75.193	FAILURE - ping 10.10.75.193			
1	Windows	0 10.10.75.194	Unable to connect to the target device , error message . NT_STATUS_OBJECT_NAME_NOT_FOUND			
2	Windows	10.10.75.195	FAILURE - ping 10.10.75.195			
1	Windows	• 10.10.75.196	FAILURE - ping 10.10.75.196			
1	Windows	0 10.10.75.197	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND			
1	Windows	0 10.10.75.198	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND			
1	Windows	• 10.10.75.199	FAILURE - ping 10 10 75 199			
1	Windows	0 10.10.75.200	Unable to connect to the target device , error message : ERROR: OpenService failed. NT_STATUS_NO	MEMO	RY.	
R	Windows	0 10.10.75.201	ACC Agent detected. (Ver 1 3 0 0 1)			
1	Windows	● 10.10.75.202	FAILURE - ping 10.10.75.202			
R	Windows	• 10.10.75.203	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND			
	Windows	0 10.10.75.204	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND			

Scanning for managed devices and deploying agents

1. Click on **Scan Range** to bring up the scan range pop-up window.

A	SUS Control Center		10:36	0	9 0	Mathematics Administrator
# .1.	🛔 Agent Management > 🖗 + Scan Deploy					
*	Scan Result Information (= License count: 495)		R Scan Range			
Lat.	Press 'Enter' key to search	¥ Clear				
	OS Type IP Address	Message				
-						
0 3						
2						
						► Deploy

2. Enter the Main Server address, port number, the IP range you wish to scan, and the managed device OS type you would like to scan.

Main Server	10.10.75.200	Port	8080
Starting IP	10.10.75.188]	
Ending IP	10.10.75.215]	
OS Type	I Windows		
Account Type Account	Local Account Domain Account Administrator	int	
Password			
	- 10 + second	ds	

3. Select the Local Account or Domain Account in the Account Type field, and enter an account and password that the ASUS Control Center will use to log onto the devices scanned.

> The account and password entered should be for an account that has administrator privileges on managed devices. For more information on activating the administrator account on managed devices, please refer to **Deploy Agents** section.

Main Server	10.10.75.20	00			Port	8080
Starting IP	10.10.75.188					
Ending IP	10.10.75.2	15				
OS Type	Window	WS				
Account Type	Local Accord	ount 🔘	Domai	n Account		
Account	Administrat	or				
Password						
				1		

S

Selecting **Domain Account** will also allow you to enter the domain name and import the domain information when agents are deployed to the selected scanned devices. This provides you with more control over your managed devices.

Scan Range		
Main Server	10.10.75.200 Port 8080]
Starting IP	10.10.75.188	
Ending IP	10.10.75.215	
OS Туре	Windows v	
Account Type	Local Account	
Domain	ssdtest.com]
Account	Administrator	
Password		
Timeout Interval	- 10 + seconds	
	X Cancel Q Scan	

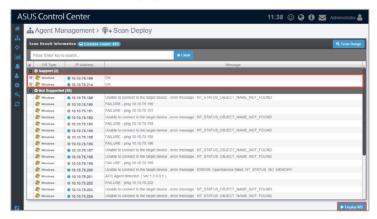
4. Set the **Timeout Interval**, this will determine the duration of time the scanned devices should be scanned before returning the scan results. Then click on **Scan**.

Scan Range	x
Main Server	10.10.75.200 Port 8080
Starting IP	10.10.75.188
Ending IP	10.10.75.215
OS Туре	Windows v
Account Type	Local Account
Domain	ssdtest.com
Account	Administrator
Password	
Timeout Interval	- 10 + seconds
	X Cancel Q Scan

5. The scan results will display which devices you can deploy agents to and also the devices which cannot be deployed as well as the reasons they cannot be deployed to, for more information on agent deployment conditions, please refer to **3.1.1 Deploy Agents** section.

JS Contro		@+Scan Deploy	9 0 Ad	
TAGent M	anagement	₩+Scan Deploy		
Scan Result Info	ormation (Clicense	count: 493)		
Press 'Enter' key	to search	* Clear		
OS Type	IP Address	Message		_
 Support (2) 				
🗑 🍂 Windows	• 10.10.75.189	OK		
🕑 🏄 Windows	0 10.10.75.214	OK		
O Not Support	ed (26)			
Mindowa	0 10.10.75.188	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND		
Nindows	● 10.10.75.190	FAILURE - ping 10.10.75.190		
A Windows	10.10.75.191	FAILURE - ping 10.10.75.191		
Nindows 2	• 10.10.75.192	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND		
A Windows	10.10.75.193	FAILURE - ping 10.10.75.193		
Nindows	0 10.10.75.194	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND		
Nindows	10.10.75.195	FAILURE - ping 10.10.75.195		
Nindows	• 10.10.75.196	FAILURE - ping 10.10.75.196		
Re Windows	• 10.10.75.197	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND		
Nindows 🕈	0 10.10.75.198	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND		
A Windows	• 10.10.75.199	FAILURE - ping 10 10 75 199		
A Windows	• 10.10.75.200	Unable to connect to the target device , error message : ERROR: OpenService failed. NT_STATUS_NO_MEMORY.		
Nindows	• 10.10.75.201	ACC Agent detected. (Ver 1 3 0 0 1)		
Nindows 🕅	● 10.10.75.202	FAILURE - ping 10.10.75.202		
A Windows	• 10.10.75.203	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND		
A Windows	0 10.10.75.204	Unable to connect to the target device , error message : NT_STATUS_OBJECT_NAME_NOT_FOUND		

6. Check the scanned devices in the **Support** window you wish to deploy agents to and click on **Deploy**.



7. Once the agents deployment has finished, a **Agent Deploy Report** will appear, detailing the deploy status of each selected device. This will help you check if all agents have been successfully deployed.

AS	SUS Control Center				12:00	© 🛛 🕻) 🗖	Administrator 🚨
	👬 Agent Management >	@+Scan Dep	loy > Ager	nt Deploy Report				
-#- - ♦-		Completion R	ite	Agent Deploy Re	port			
Lat	Successful			Device Count	2			
				Create Time	2019-03-20 11:51			
0	Error	- 1	00%	Update Time	2019-03-20 11:52			
9	:: (ompieted					
0	•.• Processing	'						
	Device List 😰							
	Press 'Enter' key to search			* Clear				Options
	IP Address/ Host Name	Installation Status	Progress	Installation Result		Message	_	
	10.10.76.189	C TaskDone	100%	Successful	Agent deployed successfully.			
	10.10.75.214	C TaskDone	100%	Successful	Agent deployed successfully.			

3.1.3 Remove agents

The **Remove Agents** function will allow you to remove agents installed on managed devices using ASUS Control Center, or allow you to remove the managed devices from ASUS Control Center after you remove the clients manually from the managed devices.

Agent Ma	anagement > 🖵	Deployment Management (2 Devices)		
Deployment Mana	gement			
Press 'Enter' key t	o search	Please confirm that you want to remove all agent from the following devices:		
E Connectio		ELASTICSERVER KubernetesMaster	HW Sensor	Utilization
C Online	ELASTICSERVER		mai	Normal
C Online	KubernetesMaster		mal	Normal
Online	MEDIACENTER-4		mal	Normal
Online	MEDIACENTER-2		mal	Normal
		x Canol 8 Person		
		× Cancel E Remove	2	

Remove agents using ASUS Control Center

1. Check the devices you wish to remove agents from on the list.

De	ployment Manage	ment				
F	Press 'Enter' key to s	earch	× Clear			
	Connection	Host Name	OS Information	IP Address	HW Sensor	Utilization
	🖵 Online	ELASTICSERVER	🎥 Server 2016 (x64)	(10.10.75.125)	Normal	Normal
	Conline Conline	KubernetesMaster	🏠 CentOS 7.4 (x64)	(10.10.75.103)	Normal	Normal
	Q Online	MEDIACENTER-4	Windows 10 (x64)	(10.10.76.124)	Normal	Normal
0	Conline Online	MEDIACENTER-2	Mindows 10 (x64)	(10.10.75.122)	Normal	Normal

2. A pop-up window should appear, displaying the devices you wish to remove agents from. After confirming the correct managed devices are selected, click on **Remove**, then click on **OK**.



If the target host(s) are offline, the agents on these host(s) will be removed once the host(s) are online.

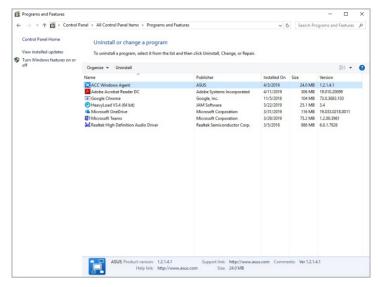
Deployment Management (2 Devices)	×
Please confirm that you want to remove all agent from the following devices: ELASTICSERVER KubernetesMaster 	
X Cancel	/e



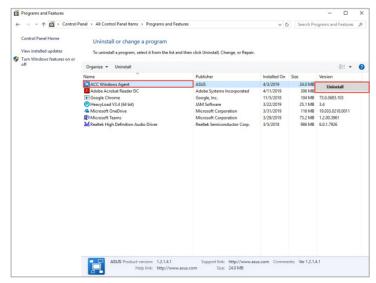
Remove Windows Agent from local device

You may choose to remove Agents from Windows systems manually.

1. To remove the Windows Agent manually on a managed device, click on Control Panel > Programs and Features.



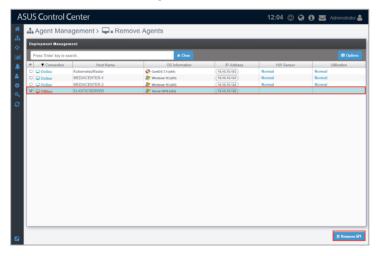
2. Select and uninstall ACC Windows Agent from the list of programs.



3. Ensure the applications shown in the pop-up window are closed, or you can check the **Automatically close applications and attempt to restart them after setup is complete** checkbox, then click **OK** to continue with the uninstallation process.

ASWM Ent Service Provider Manager ASWM Ent Sensor Monitor ASWM Ent Software Resource Monitor ASWM Ent Hardware Utilization Monitor ASWM Ent Hardware Utilization Monitor ASUS Control Center Services Monitor	The following ap install:	plications should	be closed before co	ntinuing the
Automatically close applications and attempt to restart them after	ASWM Ent Sens ASWM Ent Soft ASWM Ent Han ASWM Ent Dev	sor Monitor tware Resource Mo dware Utilization M rice Info Monitor	onitor Aonitor	
etup is complete.	Automatically	r close application:	s and attempt to rest	art them afte

- Once ACC Windows Agent is uninstalled on the managed device, please navigate to the Remove Agents menu of your ASUS Control Center (Deployment > Agent Management > Remove Agents).
- Select the managed device which you manually removed the agent from, the connection status for that managed device should be Offline, then click on Remove to remove the managed device from ASUS Control Center.



6. A pop-up window should appear, displaying the managed devices you wish to remove agents from. After confirming the correct devices are selected, click on **Remove**, then click on **OK**.

Deployment Management (1 Devices)	
Please confirm that you want to remove all agent from the following devices: ELASTICSERVER	
🗙 Cancel 🗋 Remov	e



Remove Linux Agent from local device

You may choose to remove Linux Agents from Linux systems manually.

1. (optional) If you are using a Windows OS, you may use a third-party SSH or telnet client such as PuTTY to connect to the managed Linux device.

For this example we will be using PuTTY to log on to the managed Linux device and remove the Linux Agent.

tegory:		
- Session	Basic options for your P	uTTY session
- Terminal - Terminal	Specify the destination you want the Host Name (or IP address)	to connect to Port 22
Bell Features Features Window Appearance Behaviour Translation For Selection	Connection type:	
	Load, save or delete a stored ses Sav <u>e</u> d Sessions	sion
Colours	Default Settings	Load
Data Proxy		Sa <u>v</u> e
Telnet Rlogin		Delete
inin SSH Serial	Close window on e <u>x</u> it: ◯ Always ◯ Never	Inly on clean exit

- 2. Enter the root account and password of the client Linux device.
- 3. Once you've logged in, execute /root/uninstall.sh to remove the Linux Agent from the managed device.
- Once the Linux Agent is removed on the managed device, please navigate to the Remove Agents menu of your ASUS Control Center (Deployment > Agent Management > Remove Agents).

5. Select the managed device which you manually removed the agent from, the connection status for that managed device should be **Offline**, then click on **Remove** to remove the managed device from ASUS Control Center.

Deployment Mar	agement				
Press 'Enter' key	to search	× Clear			
E Connecti	on Host Name	OS Information	IP Address	HW Sensor	Utilization
🗆 🖵 Online	ELASTICSERVER	🎥 Server 2016 (x64)	(10.10.75.125)	Normal	Normal
🗆 🖵 Online	MEDIACENTER-4	🎥 Windows 10 (x64)	(10.10.75.124)	Normal	Normal
Online	MEDIACENTER-2	A Windows 10 (x84)	(10.10.76.122)	Normal	Normal
🗹 🖵 Offline	KubernetesMaster	CentOS 7.4 (x64)	(10.10.76.103)		

6. A pop-up window should appear, displaying the devices you wish to remove agents from. After confirming the correct devices are selected, click on **Remove**, then click on **OK**.

Deployment Management 1 Devices	
Please confirm that you want to remove all agent from the following devices: KubernetesMaster 	
X Cancel	ve



3.1.4 Windows Agent

You may install agents manually on the device by downloading the Windows Agent installation files from the ASUS Control Center web console.



CSM products only supports Windows Agents.



The information entered in this section is for reference only.

Install Windows agents manually

1. Log in remotely to the device you wish to install the Windows Agent on.

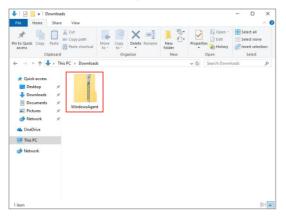


Before installing the Windows Agent, ensure that .Net Framework 3.5 is enabled by searching for **Control Panel** in the Windows Search Box, then navigating to **Programs > Programs and Features > Turn Windows features on or off**, then check the **.NET Framework 3.5** checkbox to enable .NET Framework 3.5.

C Wind	ons Features	-		×
Turn V	lindows features on or off			
To turn a	feature on, select its check box. To turn a feature off, clear its check box. A filled box mean	is that only part of the feature is	turned on	
n 🖲	MET Framework 3.5 (includes AET 2.0 and 3.0)			٦.
	Windows Communication Foundation HTTP Activation			
1	Windows Communication Foundation Non-HTTP Activation			
a 🖲	NET Framework 4.7 Advanced Services			
	Active Directory Lightweight Directory Services			
	Container Image Manager			
	Containers			
	Data Center Bridging			
× 🗆	Device Lockdown			
	Guarded Host			
* 0	httper-Y			
12	Internet Explorer 11			
a 10	Internet Information Services			
- n	Internet Information Services Hostable Web Case			
× 🗆	Legacy Components			
a 🖸	Media Features			
80	Microsoft Message Queue (MSMQ) Server			
R	Microsoft Print to POF			
2	Microsoft 325 Document Writer			
× 🗆	MultiPoint Connector			
a 🖲	Print and Decorrent Services			
2	Remote Differential Compression API Support			
* D	Services for NES			
	Simple TCPIP services (i.e. echo, deutime etc)			
- P	SM8 1.0/CIFS File Sharing Support			
	5M8 1.0/CIFS Automatic Removal			
à				
ŝ	SM8 1.0/CIFS Server			
		OK	Cen	

- 2. Download the Windows Agent installation files using the following methods.
 - Download installation files on ACC server
 - a. Click on Windows Agent to start downloading the installation files.
 - b. Copy the downloaded ZIP file to the remote desktop of the device.
 - Download installation files on managed device
 - a. Use the browser on the managed device to log into ASUS Control Center.
 - b. Click on Windows Agent to start downloading the installation files.

3. Unzip the ZIP file containing the installation files.



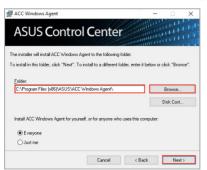
4. Click on the AgentSetup.msi file to launch the installation.

File Home Share	Agent View						- 0	×
in to Quick Copy Paste access Clipboard	Cut Copy path Paste shortcut	Move Copy to - to - Org	Delete Rename	New New	Properties	Edit History	Select all	ine lection
← → ∨ ↑ → Ti ✓ Quick access ■ Desktop # ♥ Downloads # ∅ Documents # ■ Pictures #	his PC > Download	ds > WindowsAg	jent .		ڻ ~	Search Windo	wsAgent	م
 Network * OneDrive This PC 								

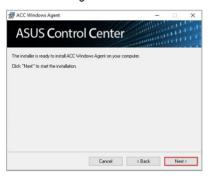
5. Click on Next to begin the installation.



6. Browse and select a folder to install the agent, then click Next.



7. Click on Next again to continue the installation.



8. On ASUS Control Center, click in the left menu, then click on **Network Configuration** to view the **Host Name** and **IP Address**.

🗘 Options > 🛞 Network	Configuration	
Host Name	-	
Host Name	ACC-TUTOR	
Network Configuration - eth0		
Address Assignment	Static DHCP	
IP Address	10.10.75.200	
Subnet Mask	255 255 255 0	
Default Gateway	10.10.75.1	
DNS	Auto Manual	
Preferred DNS Server	10.10.75.81	
Alternate DNS Server	168.95.1.1	
Network Configuration - eth1		
Address Assignment	Static ODHCP	
IP Address	10.10.75.201	
Subnet Mask	255.255.255.0	
Default Gateway	10.10.75.1	
DNS	○ Auto ● Manual	
Preferred DNS Server	10.10.75.81	
Alternate DNS Server	168.95.1.1	

9. Enter the **Host Name** and **IP Address** from the previous step into the Windows[®] Agent Installer, then click **Register**.



 Wait for the installation to finish, then click Close to complete the installation. The device(s) should appear in the Devices List on the System Overview screen.



The device's hardware performance and network speed will affect the time taken to deploy the agent.



3.1.5 Linux Agent



This function is only available on the Classic and Enterprise edition.

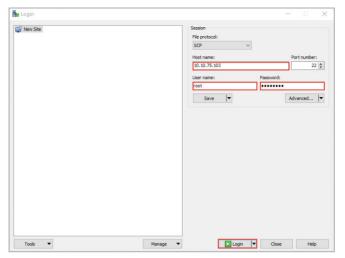
You may install agents manually on the device by downloading the Linux Agent installation files from the ASUS Control Center web console.

Install Linux agents manually

- 1. Click on Linux Agent to download Linux Agent installation files.
- 2. On ASUS Control Center, click in the left menu, then click on **Network Configuration** to view the **Host Name** and **IP Address**.

ASUS Control Center		17:02 😳 🔇 🕄 🔀 Admin
Options > (2) Network	Configuration	
h Host Name		
Host Name		
III Host Name	ACC-TUTOR	
Network Configuration - eth0		
Address Assignment	Static DHCP	
IP Address	10.10.75.200	
Subnet Mosk	255 255 255 0	
Default Gateway	10.10.75.1	
DNS	Auto Manual	
Preferred DNS Server	10.10.75.81	
Alternate DNS Server	168.95.1.1	
Network Configuration - eth1		
Address Assignment	Static DHCP	
IP Address	10.10.75.201	
Subnet Mask	255.255.255.0	
Default Gateway	10.10.75.1	
DNS	 Auto Manual	
Preferred DNS Server	10 10 75 81	
Alternate DNS Server	168.95.1.1	

4. To copy the Linux Agent .tar file to the Linux device you wish to install the agent on, use a third-party file transfer program such as WinSCP, which is seen in the below example.



Enter the IP, account, and password of the device, then click on Login.

4. On the left window, navigate to the folder where the Linux Agent .tar file is located. On the right window, navigate to the destination you wish to save the Linux Agent installation file.

For this example we use tmp as our destination folder on the right window.

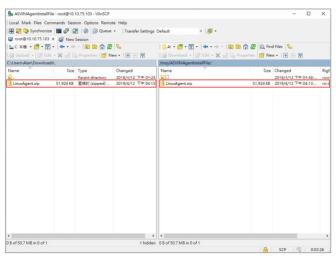
🌆 tmp - root@10.10.75	5.103 - WinSCR	, ,				- 0	×
Local Mark Files Con	nmands Sessi	on Options Remot	e Help				
🖶 🚟 📚 Synchronize	- 🗖 🧈 🗖	Queue	Transfer Settings	Default 🔹 💋 •			
root@10.10.75.103	× S New S	Session					
🏪 C: 本桜 ・ 🚰 ・ 💟		- 🗈 🗈 🏦 🖉	80	📘 tn = 🚰 = 🕎 = 🖛 = 🔶 - 🛛	🖬 🔽 🏠 🎜 🔯 Fin	d Files 🛛 🗣 👝	
Upload + 2 Edit	· ×	Properties	w • 1 🛨 🖃 🕅	1 Download - 2 Edit - X 🛃	Properties Properties	w • + 🖃 🗑	
:\Users\Alan\Download				/tmp/			
Nume " " " LinuxAgentzip	Size	Type Darent directory 至编的 (zipped)	Changed 2019/4/12 또한 64-23 2019/4/12 또한 04-13		Size	Changed 2010;2/11:145 2019;2/11:27:40:425	
< 18 of 50.7 MB in 0 of 1			> 1 hidden	< 0 B of 0 B in 0 of 1		8F SCP 0.01	1 nidde

5. Log into the Linux device using a third-party SSH or telnet client such as PuTTY.

Session	Basic options for your Pu	TY session
Logging Terminal	Specify the destination you want to Host Name (or IP address)	connect to Port
Keyboard Bell	10.10.75.103	22
- Window	Connection type:	● <u>S</u> SH ◯ Serjal
Appearance Behaviour Translation Selection	Load, save or delete a stored session Sav <u>e</u> d Sessions	on
Colours	Default Settings	Load
- Data Proxy		Sa <u>v</u> e
<mark>Telnet</mark> Rlogin		Delete
i⊞- SSH Serial	Close window on e <u>xi</u> t: Always Never On	ly on clean exit

For this example we will be using PuTTY to log on to the Linux device and install the Linux Agent.

- 6. Enter the root account and password of the client Linux device.
- 7. Once you've logged in, execute mkdir -p /tmp/ASWMAgentInstallFile to create a folder named ASWMAgentInstallFile under tmp.
- 8. On WinSCP, copy and paste the **LinuxAgent** zip file from the left window to the newly created ASWMAgentInstallFile folder in the right window.



- Decompress the LinuxAgent zip file, you should see a .tar file named ASWMLinuxAgent-64bits.tar.gz, then decompress the ASWMLinuxAgent-64bits.tar.gz file.
- 10. Depending on your Linux distribution, execute the following to start the installation process:
 - For RHEL, CentOS, Scientific Linux

Execute /tmp/ASWMAgentInstallFile/Silentinstall_RHEL.sh
XXXX.XXX.XXX.8080

For SLES

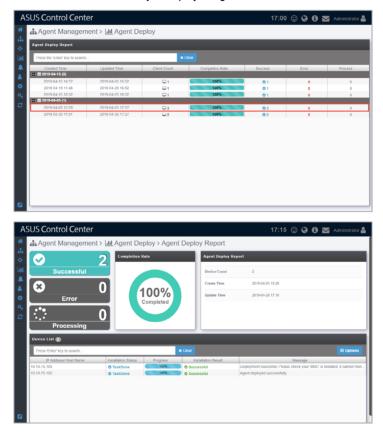
Execute /tmp/ASWMAgentInstallFile/Silentinstall_SLES.sh
XXXX.XXX.XXX.8080



Please replace XXX.XXX.XXX with the actual IP of the ACC main server, for this example, it would be 10.10.75.200.

3.1.6 Agent Deploy Report

The Agent Deploy Report will display information of each time you deploy agent(s) onto managed devices. Each item showed on the **Agent Deploy Report** represents a single batch of deployment; clicking on each item will allow you to view information on the devices you deployed agents to in that batch.



3.2 Agentless Management

The **Agentless Management** screen allows you to add vSphere for monitoring and other management options. When adding the vSphere, the device added is the hypervisor. All VM on the hypervisor will be displayed once the vSphere has been added.

To access Agentless Management, click => Agentless Management in the left menu.

AS	SUS Control Center		16:30	© 6	0	Administrator 畠
*	Agentless Management					
- m - ↔	VMware					
<u> </u> ▲ ▲	* +	€€×				
•	Add vSphere	Remove vSphere				
a, 2						
Ĩ						



- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to 2.1.4 Search and Filter devices section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.

3.2.1 Add vSphere

The **Add vSphere** function allows you to add vSphere you wish to manage. You can enter a single vSphere, or multiple vSpheres to be scanned, and then add the scanned vSpheres you wish to manage to ASUS Control Center.



Ensure to register the License keys before adding the vSphere you wish to manage to ASUS Control Center. For more information on registering license keys, please refer to **Chapter 9 License**.

ASUS Cor	ntrol Center				16:50 🙄 🕻	🕽 🕄 🔀 Administrator 🖁
	tless Managen	nent > 📦+Add VMware vS	Sphere Host			
the volume vS	phere Host List					± Import ▲ Export + Add
	OS Type	IP Add 10.10.75.59	ress	root	Account	Password
A		10.10.76.69		root		
.						
•						
a,						
с						
				_		Q Sca
	t Information (License)					
💌	OS Type	IP Address	Scan Results		Message	
8 🚱 t 530		10.10.75.59	Support	Success		
						Add to Monito
2						

Adding a single vSphere

1. Click on Add.



2. Enter the IP Address, Account, and Password of the vSphere, then click Save.

Add Target I	lost
IP Address	10.10.75.59
Account	root
Password	
Password	
	🗙 Cancel 🖺 Save

- 3. Repeat steps 1 and 2 to add additional vSpheres to be scanned, or refer to the **To add multiple vSpheres** section to import a list of vSpheres.
- 4. Once you have added all the vSpheres you wish to scan, click on **Scan**.

A	SUS Con	trol Center				16:46 🙄 🕻	0 🖬	Administrator 🚔
*	📥 Agent	iless Management >	🗊 + Add VMwa	are vSphere Host				
*	VMware vSp	here Host List						▲ Export + Add
Last	🛃 E 530	OS Type	10.10.75.59	IP Address	root	Account		assword
*								
•								
94								
<i>C</i>								Q Scan

 The scanned results will be displayed in the Scan Result Information block. Select the vSpheres you wish to manage then click Add to Monitor. The vSpheres added should appear in the Devices List on the System Overview screen.



- Unavailable vSpheres will be listed as **Not Support**. You may click on the vSpheres to view details on why it is unavailable.
- vSpheres added may take a few minutes before they are displayed in the overview.

A	SUS Con	trol Center				16:50 🙄 🧲	9 🔁 🖬 A	dministrator 🖴		
*	📥 Agent	less Management								
Last.		OS Type	IP Address 10.10.75.59		root	Account	Pass	word		
	-									
4 0										
a,										
C										
			_		_		_	Q Scan		
	Scan Result	Information License count: OS Type	IP Address	Scan Results		Message				
	Support	(1)	10.75.59		Success					
	a 67 550	10.1	0.70.09	Support	Success					
								Add to Monitor		
1										

Adding multiple vSphere hypervisors

1. Click on Import.

SUS Cor	ntrol Center		16:42 😳) 🥝 🕄 🔤 Administrator
🔥 Agen	tless Management >	€+Add VMware vSphere Host		
VMware vS	phere Host List			± Import + A
	OS Type	IP Address	Account	Password
				Q, S

- 2. Select the CSV file to import and click **Open**.
- 3. Once the CSV file is successfully imported, click on **Scan**.



4. The scanned results will be displayed in the **Scan Result Information** block. Select the vSpheres you wish to manage then click **Add to Monitor**. The vSpheres added should appear in the **Devices List** on the **System Overview** screen.



- Unavailable vSpheres will be listed as Not Support. You may click on the vSphere to view details on why it is unavailable.
- vSpheres added may take a few minutes before they are displayed in the overview.

		-	vSphere Host				
VMware vS	phere Host List					± Import	📥 Export 🛛 🕂
	OS Type		Address		Account		Password
🛃 E 536		10.10.75.59		root			
							٩
Scan Resu	It Information (License	e count: 495					٩
Scan Resu		e count: 435	Scan Results		Ме	95808	٩
	OS Type		Scan Results		Me	258 <u>3</u> 8	٩
💌 📄 🕲 Suppo	OS Type		Scan Results	Success	Me	SSage	٩
	OS Type	IP Address		Success	Me	ISSAGU	٩
💌 📄 🕲 Suppo	OS Type	IP Address		Success	Me	IS 5-899	٩
💌 📄 🕲 Suppo	OS Type	IP Address		Success	Me	ISS 8990	٩
💌 📄 🕲 Suppo	OS Type	IP Address		Success	Me	in Seage	٩
💌 📄 🕲 Suppo	OS Type	IP Address		Success	Me	ารรสฎษ	٩

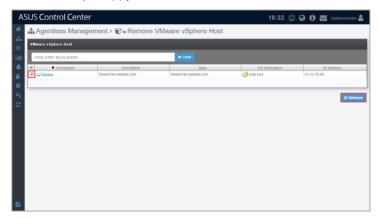
Exporting VMware vSphere Host List

You can export the list of vSpheres added to the **VMware vSphere Host List** to a CSV file by clicking on **Export**. You can edit the exported CSV file using a text editor.

A	SUS Control Center			16:50 🙂 🚱	🚯 🔛 Administrator 🛔
*	Agentless Management	> C+Add VMware vSph	nere Host		
***	VMware vSphere Host List				± Import ▲ Export + Add
Last.	OS Type	IP Address		Account	Password
	🛃 E 500	10.10.75.59		root	
7					
9					
\boldsymbol{z}					
					Q, Scan
	Scan Result Information License count:	493			
	 OS Type 	IP Address	Scan Results	Message	
	O Support (1) O Support (1) O Support (1)	0.75.59	© Support	Success	
	as 167 cs.0	0.75.59	C support	300095	
					Add to Monitor

3.2.2 Remove vSphere

1. Check the vSphere(s) you wish to remove, then click Remove.



2. A confirmation window should pop-up, click **Removal confirmation** to remove the agents from the selected vSpheres.

If the target host(s) are offline, the agents on these host(s) will be removed once the host(s) are online.



4	Chap

Chapter 4

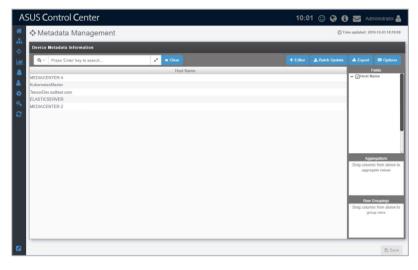
This chapter describes centralized management of metadata, BIOS flash, security, software, tasks, and power control of ASUS Control Center managed devices.

Centralized

4.1 Metadata Management

The **Metadata Management** screen allows you to add metadata fields, and also enter the information for the newly added metadata fields for a single device or multiple devices. This allows you to manage your devices more efficiently by adding the information you need to each managed device, such as the department the managed device belongs to, or the extension line of the owner of the managed device.

To access **Metadata Management**, click > **Metadata Management** in the left menu.



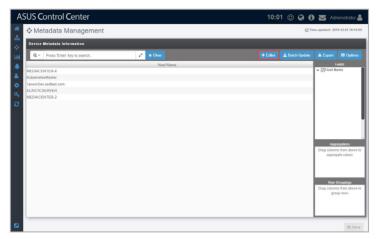


- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to 2.1.4 Search and Filter devices section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.

Adding metadata fields

You may add new metadata fields for managed devices using this function.

1. Click on Editor to open the Metadata Editor.



2. Enter the Field Name of the new metadata column, then select the Field Type from the drop down menu (**String**, **Number**, **Date**, **Boolean**).



- String: The data in this field contains string variables.
- Number: The data in this field contains numerical values.
- Date: The data in this field are in date form.
- Boolean: The data in this field are either true or false.
- 3. Click on Add to add the field.

Metadata	Editor				
Fi	eld Name	Personal			
F	ield Type	Boolean			٣
					+ Add
	Field Na	me	Field Type	Default Value	
💼 Depa	rtment		String	SW	
💼 Exten	ision		Number	29631	
💼 Produ	uction date		Date	2018-01-01	
					🖹 Save

4. (optional) You may set or edit the default value of the new field by doubleclicking in the **Default Value** cell and then entering the new default value.



The default values will be restricted to the Field Type chosen.

Field Name				
Field Type	Please S	elect		
				+ A0
Field Na	ame	Field Type	Default Value	
Department		String	SW	
Extension		Number	29631	
Production date		Date	2018-01-01	
Personal		Boolean		

- 5. Repeat steps 2 to 4 to add additional metadata fields.
- 6. Click on **Save** when you have finished adding or editing the metadata fields.

Metadata Editor	Update		×.	×
Field Name Field Type	Done. Please S	elect		Ţ
				+ Add
Field N	lame	Field Type	Default Val	ue
Department		String	SW	
Extension		Number	29631	
Production date		Date	2018-01-01	
Personal		Boolean	0	
				🖺 Save

Editing metadata fields

1. Click on Editor to open the Metadata Editor.

Device Metadata Information					
Q ~ Press 'Enter' key to search	2 × 0				
Host Name	Department	Extension	Production date	Personal	Fields
MEDIACENTER-4	SW	29631	2018-01-01		✓
KubernetesMaster	SW	29631	2018-01-01		 ✓ Øbepartment ✓ ØExtension
TensorDev ssdtest.com	SW	29631	2018-01-01		 ✓ [✓]Production dat
ELASTICSERVER MEDIACENTER-2	sw	29631 29631	2018-01-01 2018-01-01		✓
					1
					Aggregation
					Drag columns from a aggregate value

2. You can edit the **Field Name** and **Default Value** of existing metadata fields. When you are finished editing, click on **Save** to save the changes made.

Field Name Field Type	Please Se	ect		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5050 00			+ A
Field Na	ame	Field Type	Default Value	
Department		String	SW	
Extension		Number	29631	
Production date		Date	2018-01-01	
Personal		Boolean		

Deleting metadata fields

1. Click on Editor to open the Metadata Editor.

Device Metadate Information							
Q ~ Press 'Enter' key to search	2 × 0	aar		+ Editor 🕹 Batch Update	± Export ■ O		
Host Name	Department	Extension	Production date	Personal	Fields		
MEDIAGENTER-4	SW	29631	2018-01-01	0	✓ ☑Host Name		
KubernetesMaster	SW	29631	2018-01-01		 ✓ ØDepartment ✓ ØExtension 		
TensorDev.ssdtest.com	SW	29631	2018-01-01		 ✓ ØProduction dat 		
ELASTICSERVER	SW	29631	2018-01-01	0	✓ []Personal		
MEDIACENTER-2	SW	29631	2018-01-01				
					Drag columns from		
					Aggregation Drag columns from a aggregate valu		

2. Click on final next to the metadata field you wish to delete. Once you are finished, click on **Save** to save the changes made.

letad	lata Editor				
	Field Name				
	Field Type	Please Se	elect		+ Add
	Field Na	me	Field Type	Default Value	
1	Department		String	SW	
1 E	Extension		Number	29631	
1	Production date		Date	2018-01-01	
💼 F	Personal		Boolean	0	
					🖹 Save

Editing the metadata value of a single device

1. Double-click on a field you wish to edit and enter the new value.



- Items in the Host Name field cannot be edited.
- Edited fields will have blue text.
- 2. Click on **Save** once you have finished making changes to the metadata.

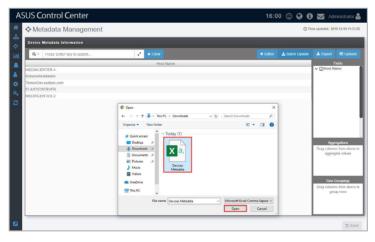
Hot Name Department Extension Production date Pursual Pursual NE XMA.118.164.4 VW 20031 2018-10-13		agement			0	me updated: 2019-12-03 1
Department Extension Production data Personal ML SML31818.4 200 20031 20181.41 2 2 ML SML31818.4 200 20131 20181.81 2 2 2 ML SML31818.4 200 20131 20182.81 0 2	Device Metadata Informa	ition				
MIL DIAL DE LA IL W Spanit IL Spanit IL Spanit IL Z C Dial Main MIL DIAL DE LA IL V 2013 1 2016 1-01 V C Dial Main Microsoft Addition XE 2010 1 Dial Main V C Dial Main Microsoft Addition XE 2010 1 Dial Main V C Dial Main Microsoft Addition XE 2010 1 Dial Main V C Dial Main Microsoft Addition XE 2010 1 Dial Main V C Dial Main Microsoft Addition XE 2010 1 Dial Main V C Dial Main Microsoft Addition XV 2013 1 Dial Main V C Dial Main Microsoft Addition 2013 1 Dial Main Z V C Processit Microsoft Addition 2014 1 Z Z Additional Main Dial Guines Main Z Microsoft Addition Z Dial Main Z Additional Main Dial Guines Main Z	Q ~ Press 'Enter' key t	o search	🖌 🗙 Clear			
Statematic Matter SW 2933 2018 0.121 C C/Department REXAMPLEMENT X 2947/h 2918 0.121 X Y C/Department REXAMPLEMENT X 2947/h 2918 0.121 X Y C/Department REXAMPLEMENT X 2917.01 2018 0.121 X Y C/Department REXAMPLEMENT X 2917.01 2918 0.121 X X C/Department REXAMPLEMENT X 2917.01 2918 0.121 X X C/Department REXAMPLEMENT X 2917.01 2917.01 2918 0.121 X X C/Department Diagramment X 2917.01 2917.01 2918 0.121 X X C/Department X <th>Host Name</th> <th>Department</th> <th>Extension</th> <th>Production date</th> <th>Personal</th> <th></th>	Host Name	Department	Extension	Production date	Personal	
Linearchan advance com k.z. Data /s 1 III III IIII IIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	MEDIACENTER-4	SW	29631	2018-01-01		
Improduced com ktr (2016 0 km) 0 (10 km)	KubernetesMaster					
ELASTICSBARMER SW 20411 (201401-01) (C) (Preveal 400/00.01108.2) (Preveal 400/00.2		EE		2018-01-01		
Accounciences 2 PM portra poisesent r Consideration of the second secon						
Drag column from at augurpath value Rew Crogong Drag column from at		РМ				
Drag columns from al						Drag columns from all
						Row Groupings Drag columns from ab group rows

Editing the metadata value of multiple devices

1. Click on **Batch Update**.

Metadata Managemer	nt			01	Updated Time: 2019-04-01
Device Metadata Information					
Q ~ Press 'Enter' key to search	2 × 0				
Host Name	Department	Extension	Production date	Personal	Fields
MEDIAGENTER-4	SW	29631	2018-01-01		✓ ✓ Host Name ✓ ✓ Department
KubernetesMaster	SW	29631	2018-01-01		 ✓ ØDepartment ✓ ØExtension
TensorDev ssdtest com	SW	29631	2018-01-01		 ✓ ØProduction da
ELASTICSERVER	SW	29631	2018-01-01		✓ [✓]Personal
MEDIACENTER-2	SW	29631	2018-01-01		
					Appropriation Drag columns form- aggregate value
					Drag columns from

2. Select a CSV file to import, then click **Open**.



3. Select the metadata field columns to update to the server, then click **Batch Update**.

Metadata Management
Please select the fields you want to import from the csv file to the server. ♥ Department ♥ Extension ♥ Production date ♥ Personal
Cancel Batch Update

4. A confirmation window should pop-up, click **OK**.

Metadata Management	
Please select the fields you want to import from Department, Extension, Production date, Personal	the csv file to the server.
	Cancel OK

5. Next, another pop-up window will appear notifying you of which devices will be affected by the updated data. Click **OK** to confirm these changes, or click **Cancel** to cancel the batch update.

	action will modify the following hosts. Please click 'OK' and confirm the data
	will be modified from the table, and click 'Save' to update the server data.
	can click 'Cancel' to cancel the batch update process and restore the system
	ngs.
	. MEDIACENTER-4
- 87	. KubernetesMaster
	. TensorDev.ssdtest.com
	ELASTICSERVER
5	. MEDIACENTER-2
	Cancel

6. If you clicked **OK** in the previous step, click on **Save** to save the changes made.

Post Name Department Edention Postchort det Personal California NL D/ACL/N1E/4 OV 22031 2010-0-61 □ Upter Ameri California Upter America Upter America<	Device Metadata Information					
NLDACLIVICA SW 2951 2010-0-01 III V	Q ~ Press 'Enter' key to search	2 ×0				
Subernationalisation SPV 2021 2010-014 U U U U U U U U U U U U U U U U U U U	Host Name	Department	Extension	Production date	Personal	
Noviminanianiani 310 (2014) Imandine sodare tomini 300 (2014) ELASTIC SERVERI 300 (2014) UTTTALCTNTTs2 300 (2014) NUTTTALCTNTTs2 300 (2014) NUTTTALCTN	MEDIAGENTER-4	SW	29631	2018-01-01		
Introduction (m)				2018-01-01		
ELASTICSERVER SW 29631 2016/0-01 C C C C C C C C C C C C C C C C C C C						✓ ✓ Production dat
Agreeatio Deg obtenes for aggregate of						
Dag atans kan agpegata vi	MEDIACENTER-2	SW	29631	2018-01-01		
Sour Gaude						
Drag columns from						Aggregation Drag columns from a aggregate valu

Exporting the metadata value

Exporting the metadata to a CSV file allows you to edit multiple metadata fields together, then update them by importing it back into ASUS Control Center. To import the changes made to the metadata in the CSV file, refer to **Editing the metadata of multiple devices** section under **4.1.2 Add metadata**.

1. Click on Export.

Device Metadata Information					
Q ~ Press 'Enter' key to search	🖌 🗶 Cie				
Host Name	Department	Extension	Production date	Personal	Fields
MEDIAGENTER-4	SW	29631	2018-01-01	0	✓ ⊘Host Name
KubernetesMaster	SW	29631	2018-01-01		 ✓ ØDepartment ✓ ØExtension
TensorDev.ssdtest.com	SW	29631	2018-01-01		✓ Production dat
ELASTICSERVER	SW	29631	2018-01-01	0	✓ []Personal
MEDIACENTER-2	SW	29631	2018-01-01		
					Appregations Drag columns from a aggregate value
					Drag columns from a

- 2. Enter a filename for the CSV file, then click **OK**.
 - Use a text editor when editing the exported CSV file.
 - Do not edit the aswm_HostName and ClientGUID fields.
 - Only the existing data in the CSV file may be edited, adding new rows and columns to the CSV file may cause failure when importing to the ASUS Control Center.

B

4.2 BIOS Flash Management

BIOS Flash Management allows you to upload and flash the BIOS of all devices, uploaded BIOS is also stored in the BIOS cache for centralized management.

To access **BIOS Flash Management**, click > **BIOS Flash Management** in the left menu.

A	SUS Control Center	16:30 🙂 🚱 🔂 🐱 Administrator 🛔
*	BIOS Flash Management	
њ ф	BIOS Flash Task	
4 \$	BIOS Cache BIOS Flash Task	
a≮ Q	Task Report	
	BIOS Flash	

- Ø
- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to **2.1.4 Search and Filter devices** section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to **2.1.3 Options.**

4.2.1 BIOS Cache

The **BIOS Cache** stores all the BIOS cap files uploaded when flashing the BIOS of a single device or using the BIOS Flash Task function, and allows you to view or delete the BIOS cap files in the BIOS Cache List. The BIOS Cache List also lists the BIOS cap file in groups based on the model, and displays information such as the file size, version, and build date.

SUS Control Center			18:58 🙂 🚱 🚺 🔽 Administrator 🖁
BIOS Flash Manage	ment > 🛢 BIOS Cache		
BIOS Cache List (32.00 MB)			
Press 'Enter' key to search		* Clear	
Model Name UN65U (1)	File Size	Vers	sion Build Date
 UNGSU Z10PP-D24 (1) 	16 00 MB	0614	05/23/2018
C Z10PP-D24	16.00 MB	3407	01/11/2017
			₿ Remov

Adding a BIOS cap file to the BIOS Cache

The BIOS cap file is automatically added to the BIOS Cache when you manually upload a BIOS cap file when flashing the BIOS from **Device Information**, or when you manually upload a BIOS cap file when using the **BIOS Flash Task** function.



- For more details on manually uploading a BIOS cap file when flashing the BIOS from **Device Information**, please refer to the **BIOS Flash** section under **2.2.7 BIOS**.
- For more details on manually uploading a BIOS cap file when using the BIOS Flash Task function, please refer to the Manually uploading the BIOS cap file section under 4.2.2 BIOS Flash Task.

Removing BIOS cap files from BIOS Cache

You can remove BIOS cap files from the BIOS Cache List when you need to, such as when the BIOS version is outdated.

1. Check the item(s) you wish to delete then click **Remove**.

BIOS Cache List	32.00 MD				
Press 'Enter' key t	o search				
	Model Name	File Size		Version	Build Date
UN65U (1)		16.00 MB	0614		05/23/2018
Z10PP-D24 (1)		10.00 Mill	0014		0.02.02.010
Z10PP-D24		16.00 MB	3407		01/11/2017

2. When the BIOS cap file(s) have been successfully removed, click OK.



4.2.2 BIOS Flash Task

The **BIOS Flash Task** function allows you to update the BIOS of multiple managed devices by uploading the BIOS cap file or selecting the BIOS cap file from a BIOS cache list.

_	Management > 📰					_			
BIOS Flash Information	on								
BIOS Flash Type		Flash From BIO	Flash From BIOS Cache						
BIOS Cache List		UN65U_0614							
BIOS Information		UN65U							
BIOS Version		0614	0614						
DIO 5 WESION			15/23/2018						
BIOS Build Date		05/23/2018	_		_	_			
BIOS Build Date	Enter key to search	05/23/2018	Z X Clear		-				
BIOS Build Date Target Host List T2 Q ~ Press ' Connection	Enter' key to search Host i		Cisur OS Information	IP Address	C Locator LED				
BIOS Build Date			-	IP Address (16:10:75.122)	Cocator LED	🖲 Re			
BIOS Build Date Target Host List T2 Q ~ Press Connection G Goline (2)	Host		OS Information		C Locator LED	ा op ह Rel ह			
BIOS Build Date Target Host List T2 Q ~ Press* Connection Gonnection Gonnecti	Host MEDIACENTER-2		OS Information	(10.10.75.122)	C Locator LED	€ Re			
BIOS Build Date Target Host List T2 Q ~ Press* Connection Gonnection Gonnecti	Host MEDIACENTER-2		OS Information	(10.10.75.122)	Locator LED	€ Rel			

Manually uploading the BIOS cap file

1. Select Manually Upload BIOS File from the drop down menu in the BIOS Flash Type field.

A	SUS Control Center		16:30 🙂 🚱 🚺 🚾 Administrator 🛔
# 	BIOS Flash Manager	nent > 🔤 + BIOS Flash Task	
.∰ 	BIOS Flash Information		
ш	BIOS Flash Type	Manually Upload BIOS File	۲
*	Upload BIOS	(d)	Drop BIOS File Here er Citck Uptrad BIOS File
۰	opidad Bios		🕰 Uphood BRUG File
a. 2			D Flash
•			

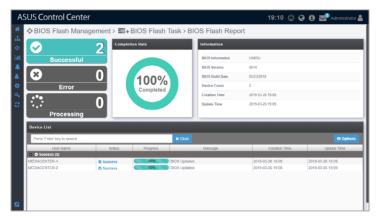
2. Drag and drop the BIOS cap file in the dotted square, or click on **Upload BIOS File** to select a BIOS cap file to upload.

ASUS Control Center		16:30 😳 🤪 🜖 🔛 Administrator 🛔
BIOS Flash Management	■ ■ BIOS Flash Task	
BIOS Flash Information		
BIOS Flash Type	Manually Upload BIOS File	,
Leload BIOS		Drop BIOS File Here or Click Uplead BIOS File
¢		💩 Upload BIOS File
Crysnic * Nen falar Calcia cess Calcia Calc	¥ + 🖬 🖗	
Music Pictures V Hie name UN65U ASUS 0614	CAP IEX Open Cancel	

3. After selecting the BIOS cap file, the BIOS information, BIOS version, BIOS build date, as well as applicable managed devices should appear. Click on **Flash** to begin the BIOS Flash process.

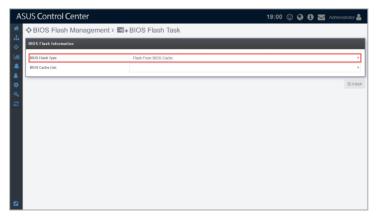
BIOS I	-lash Man	agement > 📰	+ BIOS Flas	h Task					
BIOS Flash	nformation	-							
BIOS Flash Ty	BIOS Flash Type			Manually Upload BIOS File					
Upload BIOS				UN66U-A SUS-0					JS-0614.C
opious bios					۵.0	Ipload BIOS File			
BIOS Informat	BIOS Information								
BIOS Version			0614						
BIOS Build Da	te		05/23/2018						
Target Host	List								
₹2 Q.~	Press 'Enter' ke	y to search		🖌 🗶 Clear					
	nnection	Host M	lame	OS Ir	formation	IP Addres	\$	C Locator LED	Rebo
😑 🖵 Online (
Contine		MEDIACENTER-2 MEDIACENTER-4		Windows 10 (x64)		(10.10.75.122) (10.10.75.124)			8
online ⊡ Online	, h	IEDIACENTER-4		Windows 19 (x64)		(10.10.75.124)			8

 Once the flash process is finished, a BIOS Flash Report should appear allowing you to check the BIOS Flash status and progress of all selected devices.



Selecting the BIOS cap file from the BIOS cache

1. Select Flash From BIOS Cache from the drop down menu in the BIOS Flash Type field.



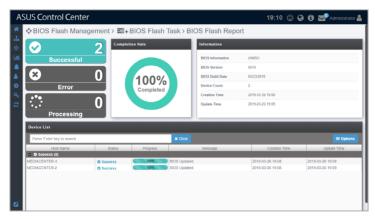
2. Select a BIOS Cache List.

A	SUS Control Center		19:00 🙂 🚱 🚯 💟 Administrator 🛔	
*	⇔BIOS Flash Management > ड +	BIOS Flash Task		
-∰ - ♦	BIOS Flash Information			l
ы	BIOS Flash Type	Flash From BIOS Cache		1
	BIOS Cache List			
\$ 4		- Piesse Select [UNE5U] UNE5U 0514		
0		[Z10PP-D24] Z10PP-D24_3407		

3. After selecting the BIOS cap file, the BIOS information, BIOS version, BIOS build date, as well as applicable managed devices should appear. Click on **Flash** to begin the BIOS Flash process.

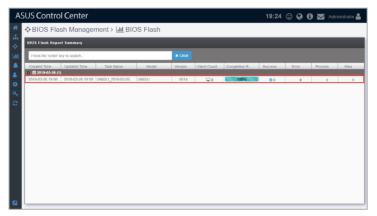
A	SUS Control Cer	nter					19:08	0	0	M A	dministrator 🚨
*	⇔BIOS Flash Ma	anagement > 🔜+	BIOS Flash	n Task							
-#- - ♦-	BIOS Flash Information										
ш	BIOS Flash Type		Flash From BIOS	Cache							•
	BIOS Cache List		UN65U_0614								•
Construction C											
	BIOS Version		0614								
94	BIOS Build Date		05/23/2018								
C											
	Target Host List										
	T2 Q - Press 'Enle	r' key to search		🖌 🗙 Clear							C Options
	Connection	Host Nam	ic .		OS Information		IP Address		C Lo	ator LED	C Reboot
	 Online (2) Online 	MEDIACENTER-2		🎥 Windows 10 (-640	(1	.10.75.122		1		e e
	Contine	MEDIACENTER-4		Windows 10 (0.10.75.124)				8
											🖹 Flash

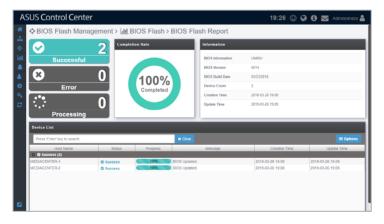
4. Once the flash process is finished, a BIOS Flash Report should appear allowing you to check the BIOS Flash status and progress of all selected devices.



4.2.3 BIOS Flash Task Report

The **BIOS Flash Task Report** function will display a history of BIOS flashes performed using ASUS Control Center. Selecting a BIOS flash task listed in the BIOS Flash Report Summary will allow you to view information on the BIOS, which devices were flashed, and also the status of the BIOS flash to managed devices. This provides you with a quick overview of your BIOS flash tasks and also help you pinpoint devices which experienced errors when updating BIOS.





4.3 Security Management

Security Management allows you to modify the security settings for items such as Windows Registry Editor, USB access, or Watchdog for a single managed device or all managed devices. The centralized security management makes it so that you do not have to configure the security settings for each individual managed device through Device Information.

To access **Security Management**, click **Security Management** in the left menu.

Security Ma	inagement					
Q.v Pro	ess 'Enter' key to search	🛃 🗶 Clear				П Ор
Connection		OS Information	IP Address	WatchDog	Registry Editor	USB
Online		A	10.10.17.105			
Online Online	KubernetesMaster					Disable Access
Q Online	MEDIACENTER-2		Information IP Address Webs/Dogs M registry Editor USB H6 644 (10.10.75.10) III M Prodeid Acre 1646 (10.10.75.10) III M Prodeid Acre 1646 (10.10.75.10) III M Prodeid Acre 1946 (10.10.75.10) III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Read Only		
Online	MEDIACENTER-4	Heat Name Od Information IP Address ₩WalchCog # Reynstry Editor TICSERVER \$\$ server 3946 (s46) \$\$ (\$16.167.5125) \$\$ \$\$ TICSERVER \$\$ consid 7 (s46) \$\$ (\$16.167.5125) \$\$ \$\$ TICSERVER \$\$ (\$16.167.5125) \$\$ \$\$ \$\$ TICSERVER \$\$ (\$16.167.5125) \$\$ \$\$ \$\$ TICSERVER \$\$ (\$16.167.5125) \$\$ \$\$ \$\$ Resplay Editor \$\$ (\$16.167.5125) \$\$ \$\$ \$\$ Resplay Editor \$\$ (\$16.167.5125) \$\$ \$\$ \$\$	Enable Access			

- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to 2.1.4 Search and Filter devices section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.
- Registry Editor and USB configurations are only available for Windows
 system managed devices.

1. You can set the security function for all managed devices by checking or unchecking the column headers for **Watchdog** or **Registry Editor**, or selecting a mode for **USB** from the drop down menu in the column header.

You can also set the security function for a single managed device by checking or unchecking the **Watchdog** or **Registry Editor** checkbox, or selecting a mode for **USB** from the drop down menu of the managed device.

You may refer to the brief descriptions for the different security functions below:

Watchdog

Watchdog allows you to enable or disable the Watchdog timer. When the watchdog timer in unresponsive due to hardware fault or program error, it will reboot the device.



Auto Restart needs to be disabled on Windows[®] Server 2016 or later versions for Watchdog to successfully reboot the device when required. To disable **Auto Restart**, search for **Control Center** in the Windows Search Box, then navigate to **System > Advanced System Settings > Startup and** Recovery.

• Registry Editor (Windows only)

The **Registry Editor** allows you to enable or disable access to Regedit Tool in Windows[®] by the managed device's user.

• USB (Windows only)

USB allows you to **Enable Access** or **Disable Access** of USB ports on the managed device, or set it to **Read Only**, which allows the users to view files on the USB storage device only.

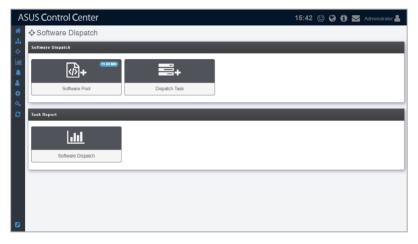
2. Click on **Save** once you have finished making changes to save the changes made.

	anagement					_
	ess 'Enter' key to search	🖌 🗙 Clear				
Connectio		OS Information	IP Address	B WatchDog	Registry Editor	USB
Q Online	ELASTICSERVER	2 Server 2018 (x84)	(10.10.75.125)	0	×	Enable Acce
Conline	KubernetesMaster	CentOS 7 (x64)	(10.10.75.103)			Disable Acce Read Only
Contine 🖓	MEDIACENTER-2	2 Windows 10 (x64)	(10.10.75.122)		×	Read Only
🖵 Online	MEDIACENTER-4	🎥 Windows 10 (x64)	(10.10.75.124)			Enable Access

4.4 Software Dispatch

Software Dispatch is a centralized software management function that allows you to add or remove software packages to a Software Pool, allowing for easy software dispatching to managed devices using the Software Dispatch Task function.

To access **Software Dispatch**, click <a> Software Dispatch in the left menu.





- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to **2.1.4 Search and Filter devices** section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.

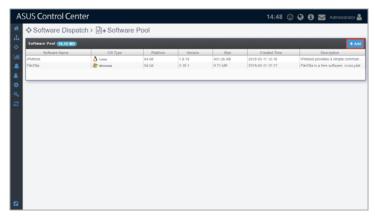
4.4.1 Software Pool

The Software Pool allows you to view all uploaded software packages. You may also add additional software packages or remove existing software packages from the Software Pool. The uploaded software packages will allow you to easily select and dispatch software to selected managed devices.

Software Dispa	itch > @+ Softwar	e Pool				
Software Pool (10.10 MB)						•
Software Name	OS Type	Platform	Version	Size	Created Time	Description
IPMItool	👌 Linux	64 bit	1.8.15	401.26 KB	2019-03-11-12:18	IPMItool provides a simple com
FileZilla	A Windows	64 bit	3.16.1	9.71 MB	2019-03-11 12:17	FileZilla is a free software, cross

Adding software packages to the Software Pool

1. Click on Add.



2. Enter the name, OS type, version, platform and description of the software package, then click **Next**.

Name	7-Zip
OS Type	Mindows
Version	16.04.00.0
Platform	32_64Bit 32Bit 64Bit
Description	7-Zip is a free and open-source file archiver, a utility used to place groups of files within compressed containers known as "archives".

3. Add the script file by clicking on **Upload Script File** to select and upload a script file, or drag the script file into the **Script File** dotted square.



For more information and examples of script files, please refer to <u>https://github.</u> com/AsusControlCenter/Software-Dispatch-Guide.

Add Software	e Package		×
Script File	ক্ট		install_7zip.bat (32 Byles)
		🛆 Upload	Script File
Setup File			7z1604-x64.msi (1.59 MB)
		🗅 Upload t	the Installer
			🗙 Cancel 🖺 Add

4. Add the setup file by clicking on **Upload the Installer** to select and upload a setup file, or drag the setup file into the **Setup File** dotted square, then click on **Add**.

Add Softwa	e Package		×
Script File	ক্র		install_7zip.bat (32 Bytes)
		📤 Upload Script File	
Setup File			7z1604-x64.msi (1.59 MB)
		Upload the Installer	
			🗙 Cancel 🖺 Add

5. The newly added software package will appear in the Software Pool list.

			Description 7 Zip is a free and open source
			IPMItool provides a simple com
Software Manne O.S Type Puttorm Version Size Contract Enror E2p Transmost 64.88 116.45.00 129.848 20104.025.150.00 PR/Initial A Initian 64.88 116.15 60.356.00 2014.02.11 12.16 PRIZON A Initian 64.28 1.8.15 60.356.00 2014.02.11 12.16 C C C C C C C C	FileZilla is a free software, cross		
Exp Aff Windows 54.98 156.400.0 1.59.MB 2019.02.95.10.00 7.200.8.30% PAthod A *mme 64.bd 1.8.15 407.95.05 5015.60.51.17.16 MMMod prox. FMUDID A *mme 64.bd 1.8.15 407.95.05 2019.00.51.17.17 FMADDat prox. FMUDID Aff Windows 64.bd 3.16.1 9.71.MB 2019.00.51.17.2.17 FMADDatis.3.15			

Removing software packages from the Software Pool

1. Click on the software package you wish to remove in the Software Pool list.

+ Contrare Brop	atch > 🗟+ Softwa	01001				
Software Pool (11.69 MB)						
Software Name	OS Type	Platform	Version	Size	Created Time	Description
7-Zip	all Windows	64 bit	16.04.00.0	1.59 MB	2019-03-26 15:00	7 Zlp is a free and open source f
IPMItool	👌 Linux	64 bit	1815	401 26 KB	2019-03-11 12 18	IPMItool provides a simple comm
FileZilla	🎥 Windowa	64 bit	3.16.1	9.71 MB	2019-03-11 12:17	FileZilla is a free software, cross-

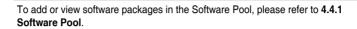
2. Click on **Remove** to remove the software package.

Software Name	7-Zip
OS Type	Windows
Created Time	2019-03-26 15:00
Platform	64 bit
Version	16.04.00.0
Description	7-Zip is a free and open-source file archiver, a utility used to place groups of files within compressed containers known as "archives".
File Information	 7z1604-x64.msi (1.59 MB) install_7zip.bat (32 Bytes)

4.4.2 Software Dispatch Task

Ø

You can use Software Dispatch Task to dispatch software packages in the Software Pool to multiple managed devices to be installed in the background quickly and efficiently.



Namo Version Platform OS Typo File Informa Description Timo	All Platforms		😭 All OS							
0 7.20 15.01.05.00 64 bit 27 monthm 1.09 MB 7.20 fits a fits and registeration of the other	Created							ch	Press 'Enter' key to searc	Ŀ
O Fib2/3a 3.15.1 64 bit # Weekene 9.21 MB Fib2/3b to show cross puttionn FT		Time Create								
O IPMIsod 1.8.15 64 bit A 1.0 uma 401.26 KB IPMItod provides a simple command-line int 2019-03-11 12 If Selected sectors 7.2 gr. Dit. 54 (16.40.00) 2019-03-11 12		2019-03-26 15:00								
97 Selected perchase 7-Zeo .96; 54 (16.64.09.0)										
	8	2019-03-11 12:18	simple command-line int 2019-0	IPMitool provides	401.26 KB	Linux	64 Dit	1.8.15	IPMItool	0
Connection Host Name OS Information IP Address	Platform	Pla	IP Address	formation	OS Inf		Host Name			
		64.55					101450	FLACTICC		
		64 bit	(10.10.75.124)					MEDIACEN		
MC Unline MEDIACENTER-4 apy Windows 10 (n64) (40, 10.76, 124) 64 1										
W Unline IME IDAL 2NT FR-4 Windows (0 (64) ((0.037473)) (od 1)										
W Contras NP1194.278174/c4 W Workswith (Md) (R1177.02) (n41										
10 Question MEDIACENTER-2 Ar Windows 10 (s64) (0.10.75.122) 64 http://doi.org/10.101/101/		64 bit 64 bit 64 bit	(10.10.75.122)			4	ITER-2	MEDIACEN		R

Dispatching software packages to devices

1. Select the software package you wish to dispatch from the Package List.

You may filter the software packages by OS or platform by selecting the filter criteria from the drop down menus located to the right of the Search bar.

Press 'Enter' key to sear	:h		•				All OS 👻 All Platfo
Namo	Vorsion	Platform	OS Typo	File Informa	Descrip		Time Created
Ø 7-Zip	16.04.00.0		Nindows	1.69 MB	7-Zip is a free and open		2019-03-26 15:00
O FileZilla	3.16.1	64 bit	A Windows	9.71 MB	FileZilla is a free softwar		2019-03-11 12:17
O IPMitool	1.8.15	64 bit	👌 Linux	401.26 KB	IPMitool provides a simp	ole command-line int	2019-03-11 12:18
Connection Online (3)		Host Name		US Im	ormation	IP Address	Platfo
Conline	ELASTICSE	RVER		Server 2016 (x64)		(10.10.75.125)	64 bit
Conline	MEDIACEN	TER-2	2	Windows 10 (x64)		(10.10.75.122)	64 bit
🗵 🖵 Online	MEDIACEN	TER-4	2	Windows 10 (x64)		10.10.75.124	64 bit

2. When you select a software package, the managed devices you can dispatch the selected software package to will be displayed in the Devices List. Select the managed devices to dispatch the software package to from the Device List, then click **Dispatch**.

:h			K Clear		🕤 All OS	S v All Platforms	
Vorsion	Platform	OS Typo	Filo Informa	Description		Timo Croatod	
						9-03-26 15:00	
						Platform	
				(10.10.7	5.125	64 bit	
						64 bit	
MEDIACENT	ER-4	2	Windows 10 (x64)	(10.10.7	5.124	64 bit	
	16.01.00.0 3.16.1 1.8.15 iii. 64 (10.04.00.0)	16.04.00.0 66 bit 3.16.1 64 bit 1.8.15 64 bit sit 64 (16.04.00.0)	15.10.00 64 bit Windows 21.61 64 bit Windows 18.15 64 bit Montows etc. 44 (16.64.00.0) Montows Montows tetr May to search ▲ ▲ Hood Names Montows ▲ ELASTICSETVER ▲ ▲	15.0 (20.0) 54 bit M Molecule 15.0 MB 1.1.1 4.6 bit M Molecule 45.1 26 KB 1.8.15 64 bit M Molecule 451.26 KB ister Very To search ✓ 1 Cherr C/S bit C/S bit Intervery To search ✓ 1 Cherr Intervery To search ✓ 1 Cherr	15:03.03 64 bit Weekeen 1.93 MB 72.03 is a fire and spectra sources 00 13:15.1 14:bit Weekeen 9.71 MB File2.06 is the sources sources 00 18:15 64 bit Weekeen 641.26 KB PMIted provides a simple comm etcr / key to search Image: Mited provides a simple comm 05 Information Colspan="2">Colspan="2" Colspan="2" Colspan="2" <td co<="" td=""><td>IS 64 008 E4at Weekee 15 MM 72/26 is a few and spon source 56 and entities. 2011 19.14.1 E4at Weekee 27 MM Field Back to be onthere, 2011 18.15 E4b Weekee 27 MM Field Back to be onthere, 2011 18.45 E4b Weekee 27 MM Field Back to Back t</td></td>	<td>IS 64 008 E4at Weekee 15 MM 72/26 is a few and spon source 56 and entities. 2011 19.14.1 E4at Weekee 27 MM Field Back to be onthere, 2011 18.15 E4b Weekee 27 MM Field Back to be onthere, 2011 18.45 E4b Weekee 27 MM Field Back to Back t</td>	IS 64 008 E4at Weekee 15 MM 72/26 is a few and spon source 56 and entities. 2011 19.14.1 E4at Weekee 27 MM Field Back to be onthere, 2011 18.15 E4b Weekee 27 MM Field Back to be onthere, 2011 18.45 E4b Weekee 27 MM Field Back to Back t

3. Confirm that the correct software package and managed devices are selected in the pop-up window, then click **Dispatch** to start dispatching the software to the managed devices.

Dispatch Task	×
Selected packages: • 7-Zip_Bit_64 (16.04.00.0)	
Packages will be dispatched to the following devices: • ELASTICSERVER (10.10.75.125) • MEDIACENTER-4 (10.10.75.124) • MEDIACENTER-2 (10.10.75.122)	
🗙 Cancel 🚽 D	ispatch

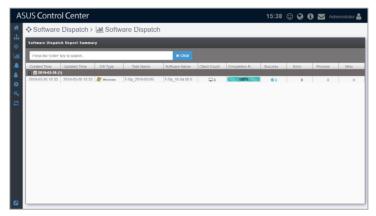
4. After the software packages have been dispatched, you will be redirected to the Software Dispatch Task Report screen.



For more details on the Software Dispatch Task Report, refer to **4.4.3 Software Dispatch Task Report**.

4.4.3 Software Dispatch Task Report

The **Software Dispatch Task Report** function will display a history of all software dispatch tasks performed using ASUS Control Center. Selecting a software dispatch task listed in the Software Dispatch Report Summary will allow you to view information on the software, which devices the software was dispatched to, and also the status of the software dispatch to managed devices. This provides you with a quick overview of your software dispatch tasks and also help you pinpoint failed software dispatches.



	US Control Center				15:40 🤅	🕑 🤤 🔂 🔤 Administrator 🚢
	Software Dispatch > [III Software D	ispatch > Software	e Dispatch Re	eport	
ан. Ф	✓ :	Completion	Rate	Information		
Luu -	Normal			Name	7-Zip (Bit_64-16.04.00.0)	
				OS Type	💦 Windows	
٠.	8) / /	100%	Description		arce file archiver, a utility used to place essed containers known as "archives".
۰.	Error		Completed	Device Count	3	
a,			Completed	Time Created	2019-03-26 15:33	
С.				Update Time	2019-03-26 15:33	
	Processing					
	Device List 🗊					
	Press 'Enter' key to search		R Clear			B Options
	Host Name	Status	Mes	wige	Creation Time	Updale Time
	 Success (3) 					
	ELASTICSERVER MEDIACENTER-4	© Success	Software dispatch task done Software dispatch task done		2019-03-26 15:33 2019-03-26 15:33	2019-03-26 15:33 2019-03-26 15:33
	MEDIACENTER-2	© Success	Software dispatch task done		2019-03-26 15:33	2019-03-26 15.33
2						

4.5 Task Scheduler

Schedule tasks for managed devices using the Task Scheduler. The tasks set can be executed automatically at specific times, or set to repeat periodically, which allows you to schedule tasks before hand or periodic tasks such as periodic reboot of managed devices.

To access **Task Scheduler**, click > **Task Scheduler** in the left menu.

Task Schedu	llor					
Task Schedu	liei					
List of Tasks						+ Add
« < > » to	day		April 2019			month week day
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1		2	3	4	5	
	7	9	10	11	12	
	4 19 Office devices working day setting	16 Office devices working day settin			19 Office devices working day settin	
	1 2	23	24	25	26	
	Office devices working day setting	Office devices working day settin	Office devices working day settin	Office devices working day settin	Office devices working day settin	
-	8 2! Office devices working day setting	30 Office devices working day settin				



- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to **2.1.4 Search and Filter devices** section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.

Task Scheduler Overview

Toggle between the different Task Scheduler views by clicking on the 🗯 / 😑 icon. You can click on any task displayed to view more details on the task.

Calendar view displays the tasks and the dates when they will be executed.

SUS Control Ce	nter				15:00 😳 🤪 🚯	Administrator 🛔
Task Schedule	ər					
List of Tasks						+ Add 🖽
(у		April 2019			month week day le
Sun 31	Mon 1	Tue 2	Wed 3	Thu 4	Fri 5	Sat
7	8	9	10	11	12	
14	15	16	17	18	19	
21	22	23	24	25	26	
28	29	30				
5						

You can switch the time period displayed in Calendar view by using the following:

- View previous year
- » View next year
- View previous month / week / day
- > View next month / week / day
- today Move to the current day. The current day will be highlighted on the calendar.
- month Display month view

Task Scheduler						_
Unit of Tanks						• AR
4 4 3 2 Inlay			pril 2019		nation of	
- ,	R-		,	n	5	6
				5	9	
м	5	1		14	4	
in the		в	24	в	24	
×	28	×				

week Display week view

ASUS Control Cent	er 19:12 🕀 Q 🚯	🛛 Americano 🛔
Unter Teals		• AK 1
4 4 3 5 May	Apr 14 - 20, 2019	narth same day 1
11-04	Rea 413 San dW. Read 477 Tao 650 Add 57 Ann donine method has not defended and a state of the donine method das states and add sta	Let £31

day

Display day view



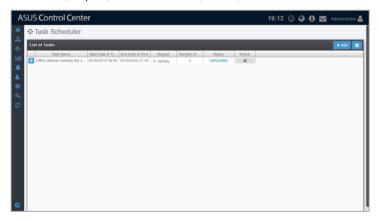
list

Display list of all tasks in the selected month and year.

Task Scheduler		
List of Tasks		•.MI 1
4 4 3 3 Inky	April 2019	narth unst day 1
April 10, 2013		Menday
sh-tay		
April 16, 2011		Turneling
at-day Cthice disublicate arrange day certaing		
April 17, 2011		Weinvestay
sholay		
April 18, 2013		Danaba
strictary		
April 10, 2011		Friday
aliciay		
April 22, 2013		Manday
shitey		
April 23, 2013		Terrelay
at-cay Ctrice devices working day owing And 24, 2010		Weitersfer

;≡

History list of all tasks, including Task Name, Start Date & Time, End Date & Time, Repeat, Number of Clients, Status, and Switch.



Adding a scheduled task

1. Click on Add.

Task Scheduler						
List of Tasks						+ Add
K K > > today			April 2019		month	week day
Sun 31	Mon 1	Tue 2	Wed 3	Thu 4	Fri 5	Sat
7	8	9	10	11	12	
14	15	16	17	18	19	
21	22	23	24	25	26	
28	29	30				
6						

2. Enter the Taskset Name, then select a Start Date & Time.

AS	SUS Control Cent	er		17:00 🙄 🚱 🚯 🕯	Administrator 峇
#	Task Scheduler	> Taskset Editor			
# ♦	Taskset Information				
ш	Tasksot Name		Start Date & Time		
*	Target OS	Please select v			
•	Repetition Schedule Activation	Repeal Enabled Task Schedule			
a,	ACOTOLOGI	S Curried lask Schoole			
2					X Cancel

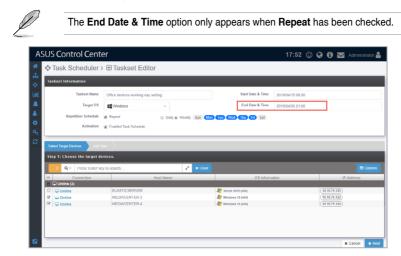
3. Select **Windows** or **Linux** in the **Target OS** field to filter the target devices.

A	SUS Contro	l Cent	er				17:52 () 🚱 🚯	Machinistrator 🔒
*	Task Sche	eduler	→ ⊞ Taskset Edite	or					
표 소	Taskset Informati	ion							
ш	Tat	skoet Name	Office devices working day	setting		Start Date & Time	2019/04/15 08:00		
		Target OS	Windows	~		End Date & Time	2019/04/30 21:00		
.	Repetitio	n Schedule	🖉 Repeat	🕕 Daily 🛞	Weekly Sun Mor	Tue Wed Thu Fri Sat			
0 3		Activation	 Enabled Task Schedule 						
æ		Add							
	Select Target Devices					_			_
		ress 'Enter' ko			× Clear				C Options
		ection	y to scarch	Host Name	¥ K Cital	OS Inform	ation		IP Address
	🗉 🖵 Online (3)								
	O Q Online		ELASTICSERVER			Arr Server 2016 (x64)		(10.10.7	
	Conline		MEDIACENTER-2 MEDIACENTER-4			Windows 10 (x64)		(10.10.7	
									X Cancel -> Next

4. (optional) If you want to repeat the task, check **Repeat** in the **Repetition Schedule** field, then select **Daily** to repeat the task daily, or **Weekly** to repeat the task weekly. When you select **Weekly**, remember to select which days of the week you wish to repeat the task.

Tasks	set Information					
	Taskset Name	Office devices working day s	aetting	Start Date & Time	2019/04/15 08.00	
	Target OS	Windows	~	End Date & Time	2019/04/30 21:00	
	Repetition Schedule	Repeat	Daily Weekly Sun	Mon Luc Wed Lhu Fri Sat		
	Activation	Enabled Task Schedule				
	t Target Devices Add	evices.	_	_	_	_
	-	evices.	🖉 🛪 Clea	4	-	ttt oper
	1: Choose the target d	evices. cy to search	Host Name	CS Inform	alion	IP Address
Step	1: Choose the target d Q V Press Enter k Connection Online (3)	evices. cy to search		OS Inform	ation	IP Address
Step *	1: Choose the target d Q V Press 'Enter K Connection Online (3) Online	evices. cy to search ELASTICSERVER		OS Inform	sion	IP Address
Step	1: Choose the target d Q V Press Enter k Connection Online (3)	evices.		OS Inform	alion	IP Address

5. (optional) You may select an end date and time.



6. **Enabled Task Schedule** is enabled by default, if you wish to disable the task, uncheck **Enabled Task Schedule** in the **Activation** field.

A.	SUS Co	ntrol Cent	er			17:52 🙄	00	Madminis	trator 🚨
*	Task	Scheduler	→ ⊞ Taskset Edito	r					
# ♦	Taskset In	formation							
Last.		Taskset Name	Office devices working day s	etting	Start Date & Time	2019/04/15 08:00			
		Target OS	Windows	~	End Date & Time	2019/04/30 21:00			
* 0		Repetition Schedule	Repeat	💮 Daily 🖲 Weekly 🛛 🚺	Acn Tue (Wed Thu Fri) Sat				
0 3,		Activation	 Enabled Task Schedule 						
8	Salect Target Direkter Add Tark								
	Step 1: Ch	oose the target de	vices.						
	2 0	V Press 'Enter' ko	ry to search	🖌 🖌 Clea					Options
	⊟ ⊒ ⊋ Onlin	Connection		Host Name	OS Inform	ation	-	IP Address	_
			ELASTICSERVER		🎥 Server 2016 (x64)		(10.10.75.1	25)	
	🕑 🖵 Onli		MEDIACENTER-2		赶 Windows 10 (x64)		(10.10.75.1		
	🕅 🖵 Onli	ne	MEDIACENTER-4		🔊 Windows 10 (x64)		(10.10.75.1	24)	
								× Cancel	→ Next

7. A list of all managed devices matching the **Target OS** selected will be displayed. Select the managed devices to apply the task to, then click **Next**.

A	SUS Control Cente	er			17:52 🙄 (🕃 🚯 🔛 Administrator 🚢		
*	Task Scheduler >	⊞ Taskset Editor						
*	laskset Information							
<u>lad</u>	Taskset Name	Office devices working day setting		Start Date & Time	2019/04/15 08.00			
	Target OS	Windows ~		End Date & Time	2019/04/30 21:00			
.	Repetition Schedule	🗷 Repeat 💿	Daily Weekly Sun Mee	Tuo (Wed Thu Fr) Sat				
о а,	Activation	 Enabled Task Schedule 						
8								
	Step 1: Choose the target de	vices.						
	2 Q ~ Press 'Enter' ke	y to search	🖌 🗶 Clear			III Options		
	Connection Online (3)	Host N	me	OS Informa	ation	IP Address		
		ELASTICSERVER		🎥 Server 2016 (x64)		(10.10.75.125)		
	S 🖵 Online	MEDIACENTER-2		🎥 Windows 10 (x64)		10.10.75.122		
	🗹 🖵 Online	MEDIACENTER-4		A Windows 10 (x64)		(10.10.75.124)		
						🗙 Cancel 🌙 Next		

8. Click on **Add** in the middle-right of the screen to add a new task.

A	SUS Control Cente	er			17:55 🙄	00	Adminis	trator 🚨
*	Task Scheduler >	⊞ Taskset Editor						
	Taskset Information							
	Tasksot Name	Office devices working day set	ing	Start Date & Time	2019/04/15 08.00			
	Target OS	Windows	*	End Date & Time	2019/04/30 21:00			
8 0		 Repeat 	🕘 Daily 🛞 Weekly 🛛 Sun 🚺	Luo (Wed) (Thu (Fr) (Sat)				
	Activation	 Enabled Task Schedule 						
	Select Target Devices Add Ta	ak						
	Step 2: Schedule the tasks.							+ Add
						* Cancel	€ Previous	19 Save

9. Select an **Action Type**. Each action type contains different options, see below for a list of the action types and the options available.



Linux only supports Power Control and Security action types.

Power Control:

Action Type	Power Control		
Delay Time	0 The time that the task ex	Minu ecution is delay	
Power Action	ပံ Power On ပံ	Power Off	C Power Reboot

Action Type	Options	Description
	Power On:	Power on the device.
Power Control	Power Off:	Power off the device.
	Power Reboot:	Reboot the device.

Service Control:

Action Type	Service Control
Delay Time	1 Minute The time that the task execution is delayed.
Service Name	SNMPTRAP
Service Action	Start Stop

Action Type	Options	Description
	Service Name:	Enter the name of the service. If you are unsure of the name of the service you can refer to 2.2.5 Software.
Service Control	Start:	Activate the service.
	Stop:	Stop the service.
	Restart:	Restart the service.

Software Dispatch:

Action Type	Software Dispatch
Delay Time	3 Minute The time that the task execution is delayed.
Platform Type	32Bit 64Bit 32_64Bit
Package Name	7-Zip

Action Type	Options	Description
	Platform Type:	Select from 32Bit, 64Bit, or 32_64Bit to filter the software options.
Software Dispatch	Package Name:	Select an item from the Software Pool to be installed. The options will vary according to the Bit type selected in Platform Type .

Security Control:

Action Type	Security Control	
Delay Time	1 Minute The time that the task execution is delayed.	
Security Type	USB Control	
Status	Enable Disable Read Only	

Action Type	Security Type	Options	Description
		Enable Access	Allows USB ports to be accessed.
	USB Control WatchDog Function	Disable Access	Do not allow USB ports to be accessed.
		Read Only	Files on the USB storage device can only be read.
Security Control		Enable	Enables Watchdog timer.
		Disable	Disables Watchdog timer.
	Registry Tool	Enable	Enable access to Regedit Tool.
		Disable	Disable access to Regedit Tool.

10. Set the **Delay Time** (in minutes). This function is used to set a delay time before the task is executed.



When adding multiple tasks, ensure to set a Delay Time for each task to ensure the tasks are executed properly.

l Task	
Action Type	Power Control
Delay Time	0 Minute The time that the task execution is delayed.
Power Action	Power On Over Off C Power Reboot

- 11. Once you have finished with setting the task, click on **Save**. The newly added task will be displayed in a timeline, you may click and drag the items in the timeline to rearrange the scheduled tasks. Clicking on in will delete the task.
- 12. When you are finished, click on the Save at the bottom of the screen.

	n					
Task	ksot Namo	Office devices working day	y setting	Star	t Date & Time	2019/04/15 08.00
	Target OS	Windows	~	End	d Date & Time	2019/04/30 21:00
Repetition	Schedule @	Repeat	Dally Weekly Sun	Men Tue Wed Thu	Fri) Sat	
	Activation 🥑	Enabled Task Schedule				
						- 4
	F Power Contro	Power On	SNMPTR Service Control		16.04.00 Itware Dispate	7-Zip USB Contr DisableAcce th

Editing a scheduled task

 Click on the task you wish to edit on the calendar in Calendar view. OR

Click on the task you wish to edit from the list in History view.

2. Edit the details then click **Update** at the bottom of the screen when you have finished editing.



You can refer to step 2 to 12 of the **Add Scheduled task** section of **4.5 Task Scheduler** for the steps on editing a task; the steps are the same.

3. Click **Update** on the pop-up window to confirm the changes made.

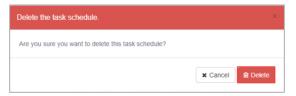
Update the Task Schedule	
Are you sure you want to update this task schedule?	
	★ Cancel 🕒 Update

Deleting a scheduled task

 Click on the task you wish to edit on the calendar in Calendar view. OR

Click on the task you wish to edit from the list in History view.

2. Click **Delete** at the bottom of the screen, then click **Delete** on the pop-up window to delete the scheduled task.



4.6 Power Control

Power Control allows you to control the power settings of managed devices all from a centralized location. The centralized control over the power settings for managed devices makes it so that you do not have to manually power off, power on, or restart each managed device individually.

Power Control						
Q ~ Press 'E	inter' key to search	🥔 🗶 Clear				
Connection	Host Name	OS Information	IP Address	Power ON	Restart	Power 0
Online (4)						
🖵 Online	ELASTICSERVER	赶 Server 2016 (x64)	(10.10.75.125)			
Conline Que to the second seco	KubernetesMaster	CentOS 7.4 (x64)	(10.10.75.103)			
Conline Quality of the second	MEDIACENTER-2	Nindows 10 (x64)	(10.10.75.122)			
Conline Quality of the second	MEDIACENTER-4	🎊 Windows 10 (x64)	(10.10.76.124)			

To power on / power off / restart device(s):

1. Check the **Power ON / Power OFF / Restart** check boxes of devices you would like to power on / power off / restart, or you may check the column title to check all devices eligible for the chosen action.

	Power Control						
Q.~ Press	s 'Enter' key to search	💉 🗙 Clear					
Connection		OS Information	IP Address	Power ON	E Restart	B Power C	
Online (4	ELASTICSERVER	🐉 Server 2016 (x64)	(10.10.75.125)	_	2		
Online Online	KubernetesMaster	CentOS 7.4 (x64)	(10.10.76.103)		~		
Conline Online	MEDIACENTER-2	Windows 10 (x64)	(10.10.76.122)				
	MEDIACENTER 4	Windows 10 (x64)	(10.10.75.124)				



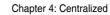
The availability of the **Power ON**, **Power OFF**, and **Restart** check boxes will vary according to the current power status of the managed device.

2. Click **Action** in the lower right of the screen to perform the chosen action(s).

RVER 🍂 Server 2019 Master 🔆 CentOS 7.4 TER-2 🥀 Windows 10	IS Information IP Address 6 (x64) (10.10.76.126)	Power ON 8	E Restart B Power
RVER At Server 2014 Master At CentOS 7.4 TER-2 At Windows 10	6 (x64) (10.10.75.126)	Power ON	Restart Power
Vaster & CentO 5 7.4 TER-2 Mindows 10			
Vaster & CentO 5 7.4 TER-2 Mindows 10			
TER-2 🕺 Windows 1			× 0
TER-4 🐉 Windows 1			0 K

A pop-up window should appear, displaying your selected actions and devices, this will help you check to see if the right devices and actions are selected before executing the power on, power off, or restart action. Click **Action** when you have confirmed the actions and devices.

Power Control 4 Devices	×
Please confirm that you want to do 'Reboot' for following devices: 2 • ELASTICSERVER • KubernetesMaster	
Please confirm that you want to do 'POWER OFF' for following devices: 2 • MEDIACENTER-2 • MEDIACENTER-4	
★ Cancel	



Chapter 5

This chapter describes the various settings available for reports on devices and software.



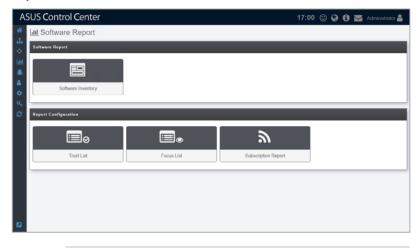
5.1 Software Report



The information entered in this section is for reference only.

Software Report allows you to manage your report subscriptions on the applications installed on added devices. You may also customize which applications to receive reports on, as well as pinpoint applications which meet the rules you set, allowing you to efficiently manage high-priority applications and ignore applications which may not require much maintenance.

To access **Software Report**, click **IIII** in the left menu, then click on **Software Report**.





- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to **2.1.4 Search and Filter devices** section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to 2.1.3 Options.

5.1.1 Software Inventory

Through **Software Inventory** you may view all the installed applications on all managed devices or filter through the applications installed on managed devices, providing you with a quick way to periodically keep track of new applications installed and the devices they are installed on.

Refetch Application

Click on **Refetch** to request agents to return an immediate update the list of installed applications on all managed devices, making sure all the information displayed is up to date.

▼ Today ▼ Last 7 Days ▼ Last 14 Days	10 . 7-Zip 16.04 (xt	ress the 'Enter' key to search Name	Version	L Refetch Lapor	t Q Show Dev
			Version	Publisher	0.1
-					Count
▼ Last 14 Days			16.04.00.0	Igor Pavlov	3
▼ Last 14 Days	1 ACC Windows		1.2.1.4.1	ASUS	3
	10 Google Chrom		67.116.32835	Google, Inc.	3
	Adobe Acroba	t Reader DC	19.010.20099	Adobe Systems Incorporated	2
	11 Conexant HD		1.00.08	ASUSTeK COMPUTER INC.	2
▼ Last 30 Days			8.66.65.54	Conexant	2
			1.0.0.0	Intel Corporation	2
▼ Last 90 Days			16.0.11425.20204	Microsoft Corporation	2
T Last 90 Days		+ redistributables repacked.	12.0.0.0	Intel Corporation	2
0.5	Office 16 Click	to Run Extensibility Component	16.0.11425.20204	Microsoft Corporation	2
⊘aii 1.5			16.0.11425.20204	Microsoft Corporation	2
i je	Office 16 Click	to-Run Licensing Component	16.0.11425.20204	Microsoft Corporation	2
Device List					
Press the 'Enter' key to search		× Clear			
▼ Connection	Host Name	OS Information	IP Address	HW Sensor	Utilization

Filter newly installed applications

To quickly filter newly installed applications within a time period, click on the **Today**, **Last 7 Days**, **Last 14 Days**, **Last 30 Days**, **Last 90 Days** or **All** time period filters located on the left of the screen. This will help you in periodically reviewing the applications installed within a selected time period.

▼ Today	8	T Q Y Pr	iss the 'Enter' key to search	2 X	Clear		Refetch	& Export	2 Show Devi
	10	A	Name		Version		Publis		Count
🕇 Last 7 Days		7-Zip 16.04 (x6		16.04.00		Igor Pa		ner	3
		ACC Windows		12141		ASUS			3
▼ Last 14 Days		Google Chrome		67.116.3		Google	Inc		3
Last 14 Days		Adobe Acrobat		19.010.2			Systems Inc	ornorated	2
			to-Run Extensibility Component		25.20204		oft Corporati		2
Last 30 Days	11 8	Office 16 Click	to Run Extensibility Component	6 16.0.114	25.20204	Micros	oft Corporati	on	2
-		Office 16 Click-	to-Run Licensing Component	16.0.114	25.20204	Micros	oft Corporati	on	2
	15	Office 16 Click	to Run Localization Component	16.0.114	25.20204	Microo	oft Corporati	on	2
▼ Last 90 Days	I D 🛛	Update for Win	dows 10 for x64 based Systems	(2.57.0.0		Microsoft Corporation		on	2
		Adobo Acrobat	Reader DC - Chinese Traditiona	1 19.010.2	0099	Adobo	Systems Inc	orporated	1
TAII	1,569	HeavyLoad V3	4 (64 bit)	3.4		JAM S	oftwaro		1
Device List									
Press the 'Enter' key to s	search		× Clear						
	Host Name		OS Information		IP Address	HWS	onsor		tilization

Search for applications using keywords

Entering keywords into the search bar will display all installed applications which contain the keywords entered, allowing you to pinpoint certain applications and help you keep track of the amount of devices these applications are installed on as well as view which devices the applications are installed on. You may also view the device information as well as view all applications on the device to make sure your application information is correct.

- 1. Enter the keywords you wish to search for using the following methods:
 - Directly entering the keywords

Enter the keyword(s) you wish to search with into the search bar and press <Enter>. Click on <u>a</u> to toggle between searching with the **AND** operator or **OR** operator. Searching using **AND** will search for items which contain all keywords entered, whilst searching using **OR** will search for items which contain at least one of the keywords entered.

AS	SUS Control Center				16:35 🙂 🤪	🕄 🔛 Administrator 🚨
*	🔟 Software Report > 🖻 Sof	tware Inver	ntory		0	Jpdated Time: 2019-04-15 16:26:40
	© Today 8	Application Info	rmation -Today (2019-04-15) 👔			
Last.		τ Q.v Pr	ess the 'Enter' key to search	🖌 🗙 Clear	🕹 Refetch 🎿	Export Q Show Device
	▼ Last 7 Days 10	0	Namo	Version	Publisher	Count
		Google Chrom		67.116.32835	Google, Inc.	3
	10	7-Zip 16.04 (xl		16.04.00.0	Igor Pavlov	2
۰.	T Last 14 Days 10	ACC Windows		1.2.1.4.1	ASUS	1
a,		Adobe Acroba		19.010.20099	Adobe Systems Incorp	orated 1
	T Last 30 Days 11		to-Run Extensibility Component	16.0.11425.20204	Microsoft Corporation	1
0	▼ Last 30 Days		to Run Extensibility Component 6	16.0.11425.20204	Microsoft Corporation	1
			to-Run Licensing Component	16.0.11425.20204	Microsoft Corporation	1
	T Last 90 Days 15	Office 16 Click	to Run Localization Component	16.0.11425.20204	Microsoft Corporation	1
	TAII 1,569					
	Device List					
	Press the 'Enter' key to search		🗙 Clear			LExport III Options
	Connection Host N	amo	OS Information	IP Address	HW Sensor	Utilization
۵						

- Importing multiple keywords from a .csv file
 - a. Click on \checkmark to bring up the search condition pop-up window.

	8 ^	oplication Information -All (1563)	X Clear		
		Q ~ Press the 'Enter' key to search		🕹 Refetch 🔺 Export	Q. Show Devis
▼ Last 7 Days	10		Version	Publisher	Count
		7-Zip 16.04 (x64 edition)	16.04.00.0	Igor Pavlov	3
		ACC Windows Agent	1.2.1.4.1	ASUS	3
▼ Last 14 Days		Google Chrome Adobe Acrobat Reader DC		Google, Inc.	3
			19.010.20099	Adobe Systems Incorporated	2
		ASWM Client	1.00.08	ASUSToK COMPUTER INC.	2
▼ Last 30 Days		Conexant HD Audio	8.66.65.54	Conexant	2
		Intel(R) Management Engine Components	1.0.0.0	Intel Corporation	2
T Last 90 Days		Microsoft Office 365 ????? zh-tw	16.0.11425.20204	Microsoft Corporation	2
Last 30 Days		Microsoft VC++ redistributables repacked.	12.0.0.0	Intel Corporation	2
	ECO	Office 16 Click to Run Extensibility Component	16.0.11425.20204	Microsoft Corporation	2
⊘ All 1		Office 16 Click-to-Run Extensibility Component 6		Microsoft Corporation	2
-		Office 16 Click-to-Run Licensing Component	16.0.11425.20204	Microsoft Corporation	2
Device List					
Press the 'Enter' key to s	earch	× Clear			
▼ Connection	Hoot Namo	OS Information	IP Addroso	HW Sonpor	Utilization

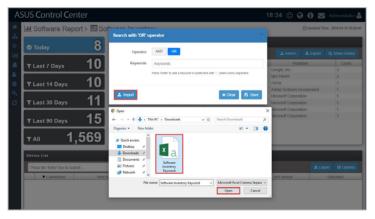
b. Select the operator you wish to use. **AND** will search for items which contain all the keywords entered, whilst **OR** will search for items which contain at least one of the keywords entered.

Operator	AND OR
Keywords	Office > Licensing + Keywords
	Press 'Enter' to add a keyword or paste text with '; ' (semi-colon) separator.

c. Enter the keyword(s) you wish to search with into the **Keywords** field and press <Enter>.

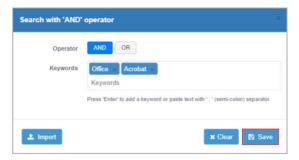
Operator	AND OR
Keywords	Office × Licensing ×
	Keywords
	Press 'Enter' to add a keyword or paste text with ' ; ' (semi-colon) separate

Import multiple keywords using a .csv file by click on **Import**, selecting the .csv file you wish to import, and then selecting the column in the .csv file you would like to import.



Import		
Please select the field that you want to import from the csv file.		
Name		•
	Cancel	ок

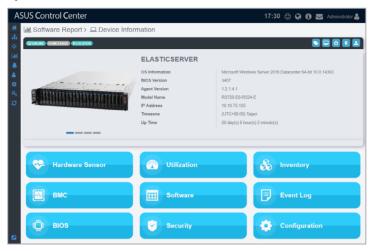
d. Click on Save once you have finished setting the search conditions.



 If you wish to view the devices an application is installed on, check the application, then click on Show Device. The list of devices the selected application is installed on should be displayed in the Device List window

Jul S	Control Ce oftware Rej	port > 🖭 Soft	ware	Invento	ory		1	4:33 🙂 🕻		Administrator
© Тс	oday	8	Applic		ation -Today (2019-04-15) 🌘					
			τ1	Q v Pre	ss the 'Enter' key to search	🖌 🗙 Clear				
V 14	ast 7 Days	10	8		Name	Version		Publ	isher	Count
	ast / Days		Goo Goo	gle Chrome		73.0.3683.103		Google, Inc.		3
		40		p 16.04 (x64 e		16.04.00.0		Igor Pavlov		2
ΥLa	ast 14 Days			Windows Ag		1.2.1.4.1		ASUS		1
				be Acrobat Re		19.010.20099		Adobe Systems In		1
					Run Extensibility Component	16.0.11425.20204		Microsoft Corpora		1
τLa	ast 30 Days				Run Extensibility Component 6	16.0.11425.20204		Microsoft Corpora		1
					Run Liconsing Component	16.0.11425.20204		Microsoft Corpora		1
	ast 90 Days	15	□ Offi	to 16 Click to	Run Localization Component	16.0.11425.20204		Microsoft Corpora	tion	1
	e List	,569	_							
	is the 'Enter' key to se	sarch			× Clear				≜ Ex	port 🕅 Options
	Connection	Hoot Nar	mo		OS Information	IP Address	HW Sensor			Utilization
# 5	- Online	ELASTICSERVER		4	Server 2016 (x64)	(10.10.76.125)	Norm	al	Norma	

3. (optional) Clicking on III next to each device in the **Device List** will allow you to view the Device Information.



4. (optional) Clicking on the device will display all applications on the selected device.

© Today	Press 'Enter' key to search		× Clear	Options	Export Q Show
▼ Last 7 Days	Name	Version	Publisher	Installation Date	
	C Windows Agent	1.2.1.4.1	ASUS	2019-04-15	3
	ogle Update Helper	1.3.34.7	Google LLC	2019-04-15	1
	obe Acrobat Reader DC	19.010.20099	Adobe Systems Incorporated	2019-04-11	porated 1
	altek High Definition Audio	6.0.1.7926	Realtek Semiconductor Corp.	2018-03-05	1
	avyLoad V3.4 (64 bit)	3.4	JAM Software	2019-03-22	1
Go	ogle Chrome (p 16.04 (x64 edition)	73.0.3683.103 16.04.00.0	Google, Inc. Igor Pavlov	2019-04-15	1
Y All Pevice List Pesstella Tettari kay ta ✓ Connection ∰ © Online					Leport Calcolor Normal

5.1.2 Trust List

You may view your trusted lists or add new trusted lists, these applications are not included in the subscribed software report generated. This allows you to create white lists of applications which you trust and do not need to monitor, such as trusted applications which are mandatory on all devices within a company.

To create a new trusted list:

1. Click on Add on the Trust List main screen to create a new trust list.

A	SUS Control Center		18:28	© 6	0	Mdministrator 🔒
*	🔟 Software Report > 🗐 🛛 Trust	List				
•	Trust List					+ Add
Last	Press the 'Enter' key to search	¥ Clear				
* * *	Name Google Chrome	Description A freeware web browser developed by Goegle.				▼ Update Time 2019 04 29 18:27
4 Q						
	L				-	

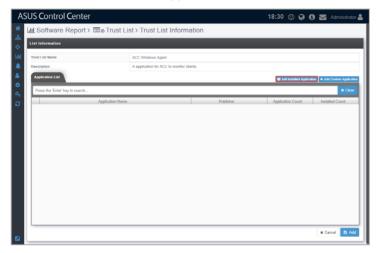
2. Enter the Trust list name as well as a brief description of the trust list into their respective fields.

List Information					
Trust List Name	ACC	Windows Agent			
Description	A ap	plication for ACC to monitor cl	ients.		
Application List				🗢 Add Installed Applica	tion 🕇 Add Custom App
Press the 'Enter' key to see	arch				* (
	Application Name		Publisher	Application Count	Installed Count

- 3. You may add applications to your trust list using the following methods:
 - <u>Selecting multiple applications</u>

You may select multiple applications from a list of all your installed applications to add to your trusted list.

a. Click on Add Installed Application.



b. Scroll through the list of installed applications and check the applications you wish to add to your trust list, then click on **Save**.

List Information	Auui	Installed Application 🛐				
Trust List Name	Pre	ess the 'Enter' key to search			× Clear	
Description	8	Application Name	Publisher	Application	Installed Co	
		CC Windows Agent	ASUS	1	3	
Application List		ntel Wireless Bluetooth	Intel Corporation	1	3	ation 🔶 Add Custom Applic
	00	Office 16 Click-to-Run Licensing Component	Microsoft Corporation	1	3	
Press the 'Enter' key to	0 7	-Zip	Igor Pavlov	1	3	X Clea
	O A	idobe Acrobat Reader DC	Adobe Systems Incorporated	1	3	Installed Count
	0 0	Office 16 Click-to-Run Localization Component	Microsoft Corporation	1	3	Installed Count
	OF	ileZilla MSI Installer	TechyGeeksHome.co.uk	1	3	
	0 0	Office 16 Click-to-Run Extensibility Component	Microsoft Corporation	1	3	
	OG	Soogle Chrome	Google, Inc.	1	3	
	G	Boogle Update Helper	Google LLC	1	3	
	OM	ficrosoft Office 運搬版	Microsoft Corporation	1	3	
	O C	Conexant HD Audio	Conexant	1	2	
		tel Management Engine Components	Intel Corporation	1	2	
		tel Chipset Device Software	Intel Corporation	1	2	
		lealtek Ethernet Controller Driver	Realtek	1	2	
		ttel Processor Graphics	Intel Corporation	1	2	
	OIn	tel Dynamic Platform and Thermal Framework	Intel Corporation	1	2	
		SUS USB Charger Plus	ASUSTeK Computer Inc.	1	2	
	OW	fulkan Run Time Libraries	LunarG, Inc.	1	2	
	O In	ttel Chipset Device Software	Intel(R) Corporation	1	2	
	0.0	länDean.	Disorbert Technology Jac	1		
					Cancel 🔯 Save	

• Manually adding a custom application

You may use this method if you cannot find the application you wish to add in the **Add Installed Application** list, or if you already know which application you wish to add.

a. Click on Add Custom Application.

AS	US Control Center				18:30 🙂 🚱 🚯) 🔀 Administrator 🚢
*	Jul Software Report >	■@ Trust Li	st > Trust List Informa	ation		
- m	List Information					
Latal.	Trust List Name		ACC Windows Agent			
*	Application List		A application for ACC to monitor clie	ints.		
٠	Press the 'Enter' key to search				Add Installed Application	n 🕪 Add Custom Application
a. 0	Press the Enter Key to search	Application Name		Publisher	Application Count	Installed Count
2						
						🗙 Cancel 🔯 Add

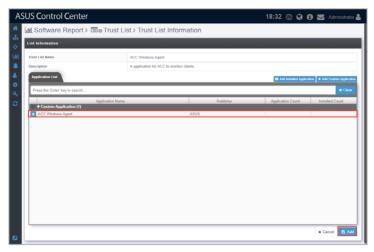
b. Enter the **Application Name** and **Publisher** of the application, then click on **Save** to add the application to your trust list.



If you are not sure what the Application Name and Publisher of the application is, you may search for it in the local program collection of your device, for example Programs and Features on a Windows OS. This may vary between OS.

dd Custom Appli	cation	3
Application Name	ACC Windows Agent	
Publisher	ASUS	
		× Cancel

4. The applications you have added to your trust list should be displayed in the **Application List** window. Once you have finished adding applications, click on **Add** to save your trust list.

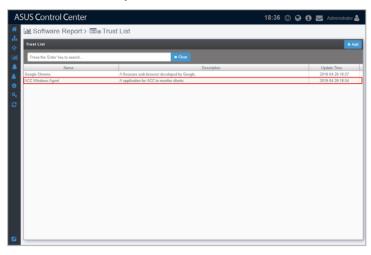


5. Your new trust list should appear in the **Trust List** window.

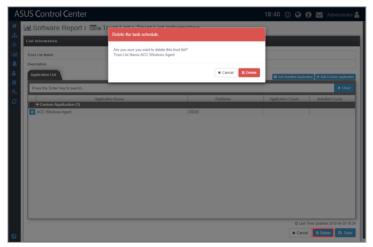
III Software Report > III		
Press the 'Enter' key to search	* Cloar	
Name	Description	Update Time
Google Chrome	A freeware web browser developed by Google.	2019-04-29 18:
ACC Windows Agent	A application for ACC to monitor clients.	2019-04-29-18:

To edit or delete a trusted list:

1. Click on the trusted list you wish to edit.



2. Repeat steps 3 and 4 of the **To create a new trusted list** section to edit a trust list, or click on **Delete** to delete the trusted list.



5.1.3 Focus List

The focus list allows you to set rules on applications you wish to receive software reports on. You may select the applications you wish to focus on by entering keywords, you may also select conditions such as, containing the keyword, or applications which do not contain this keyword. This allows you to specifically focus on a group of applications which may contain a common keyword and are high-priority to receive software reports on.

To create a new focus list:

1. Click on **Add** on the Focus List main screen to create a new focus list.

SUS Control Center		17:54	© @ 0 i	Interest Administrator
LIII Software Report > 🗐 👁 Foc	us List			
Focus List				+ Add
Press the 'Enter' key to search	St Clear			
Name Adobe Application	Description Include Adebe Acrobat, Dreamweaver, Photoshop, Illustrator, etc.	Amount	Due Date 2019-04-29	Update Time 2019-04-29 17:48

2. Click on Add Rule to add a new rule to your focus list.

AS	SUS Control Center		17	7:55 🙂 😧 🕄 🖬 🔤 Administrator 🛔
*	🔟 Software Report > 🗐 👁 Focus L	ist > Focus List Informatio	on	() Last Time Updated:
- m - (\$	List Information			
lad	Name	Microsoft Application		
	Description	Include Microsoft Word, Excel, Power Point,	Outlook, etc.	
*	Selected Application Rule List Field Name			+ Add Rule
a,	Field Name	Operator	Ki	eywords
0				
	Selected Application Preview			
	Display Name		Version	Publisher
				🗙 Cancel 😫 Add

- 3. Select a Field Name to filter from between Publisher, Display Name, and Version.
- 4. Now select the **Operator (Equal**, **Contain**, **Doesn't Contain)** this will allow you to set the conditions for the keywords you enter in the next step.
- 5. Enter your keyword(s). This will be used as the filter keyword for your condition you set in the previous step. Then click on **Save** to add this rule.

Field Name	Publisher		
Operator	Contain		
Keyword	Microsoft ×	Press the 'Enter' k	ey to set a Keyword

- 6. Repeat steps 2 to 5 to add another rule.
- 7. (optional) You may also edit or delete a rule by clicking on the rule, then repeat steps 3 to 5 to edit the rule, or click on **Delete** to delete the rule.

Operator Contain Keyword Office × Press the 'Enter' key to set a Keyword You can enter multiple keywords in the 'Display Name' field.	Field Name	Display Name
Press the 'Enter' key to set a Keyword	Operator	Contain
	Keyword	Office ×
You can enter multiple keywords in the 'Display Name' field.		Press the 'Enter' key to set a Keyword
		You can enter multiple keywords in the 'Display Name' field.

- 8. All installed applications will be filtered depending on the rule(s) you set in the previous steps and be displayed in the **Selected Application Preview** window. The filtered applications will be added to the focus list.
- 9. Enter the Focus list name as well as a brief description of the focus list into their respective fields, then click on **Add** to save your focus list.

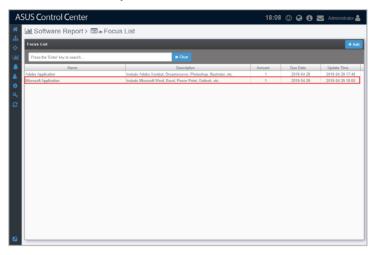
+ ^
+ ^
+ ^
ation
ation
ation

10. Your new focus list should appear in the Focus List window.

📶 Software Report > 🗐 🕷	Focus List			
Focus List				
Press the 'Enter' key to search	¥ Clear			
Name	Description	Amount	Due Date	Update Time
Adobe Application Microsoft Application	Include Adobe Acrobat, Dreamweaver, Photoshop, Illustrator, etc. Include Microsoft Word, Excel, Power Point, Outlook, etc.	1	2019 04 29 2019 04 29	2019 04 29 17 2019 04 29 18

To edit or delete a focus list:

1. Click on the focus list you wish to edit.



2. Repeat steps 3 to 9 of the **To create a new focus list** section to edit a focus list, or click on **Delete** to delete the focus list.

	Focus List - Focus List Inform		
List Information	Are you sure you want to delete this focus list?		
Name	Focus List Name Microsoft Application		
Description			
Selected Application Rule List		Cancel 🛱 Delet	- Add
Field Name	Operator		Keywords
Publisher Display Name	Contain Contain	(Microsoft) Office	
Selected Application Preview 🚯			
	Display Name	Version 16.0.11425.20244	Publisher Microsoft Corporation
Office 16 Click-to-Run Licensing Component		16.0.11425.20244	Microsoft Corporation
		16.0.11425.20244	
Microsoft Office 專業版 2016 - zh-tw		16.0.11425.20244	Microsoft Corporation

5.1.4 Subscription Report

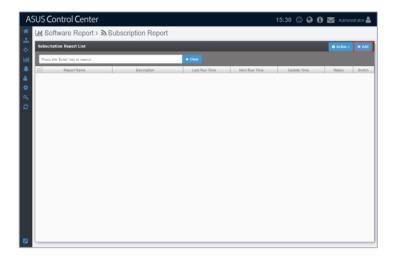
Subscription Report allows you to manage your Software Reports such as which list set to apply (Trust List or Focus list), the receiver of the report, which devices to create reports on and when to receive the reports. This gives you the flexibility to tailor each subscription report according to your needs and focus on the device and applications you want to focus on.



The report mail sender information can be set at the SMTP settings section, please refer to **SMTP Setting** section in this manual.

To create a Subscription Report:

1. Click on **Add** on the Subscription Report main screen to create a new report subscription.



- 2. Enter the Report name as well as a brief description of the report into their respective fields. Then select which list to apply to the report, Trust or Focus, and select the specific list(s) you wish to apply.
- Ø
- Selecting the **Apply Trust List** option will exclude applications on the trust list when a report is generated. For more information please refer to the **Trust List** section of this chapter.
- Selecting the Apply Focus List option will only include applications on the focus list when a report is generated. For more information please refer to the Focus List section of this chapter.

ASUS Control Center	15:38 🙂 🚱 🚺 🔽 Administrator 🛓
🍨 🔟 Software Report > 🔊 Subscr	iption Report > Subscription Report Information
Subscription Report Information	
Lill Report Name	Software Report by Trust List
A Description	Show all application but ignore known application from trust list.
Apply List	Apply Trust List Apply Focus List
•	Coogle Chrome × ACC Windows Agent × Belect from software trust list
A Enable	Enable Report
0	
🖾 Mail Template 🔷 Rule Settings 🔷 Run	Time
Step 1: Set up the mail template	
Mail Receiver	Director Select a metadata field or input an email address
Mail Title	Software Report by Trust List
Mail Content.	If I II II II III III IIII IIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	¥ Cancel → Next

3. Check Enable Report to enable this report.

A	SUS Control Center	17:16 🕲 🔇 😏 Administrator 🛔
*	🔟 Software Report > 🔊 Subscrip	tion Report > Subscription Report Information
표 승	Subscription Report Information	
lahi.	Report Name	Software Report by Focus List
	Description	Show specific application from focus list and ignore the other application.
۵.	Apply List	Apply Trust List Apply Focus List
٠		Adobe Application Microsoft Application Select from software focus list
a,	Enable	B Enable Report
C		
	Mail Template	ne)
	Step 1: Set up the mail template	
	Mail Receiver	Otractor x Select a metadata field or input an email address
	Mail Title	Software Report by Focus List
		Dear Directs.
		Your department's software report as below, please ensure these application's license are enough.
	Mail Content	
		🗴 Cancel 🏼 🔶 Nuxt

 Select a metadata tag or enter an email address into the Mail Receiver field, then enter your mail title and mail content. Click on Next once you have finished editing your Mail Template.



The metadata tag allows you to use customized groups as your mail recipients. For more details on metadata, please refer to the **Metadata Management** section in this manual.

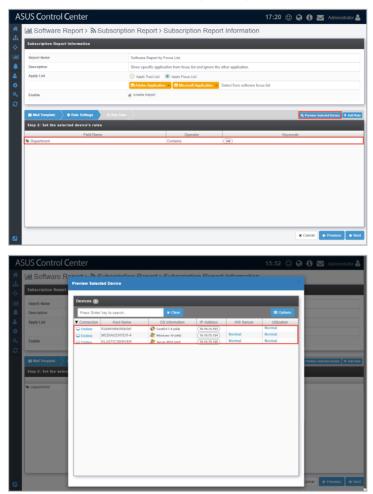
- 5. In the Rule Settings step, you have to filter out the managed devices you wish to generate this report on.
- 6. Click on Add Rule.

A	SUS Control (Center					:20 🙂	00			r 🚨
*	LII Software F	Report > 🔊 S	Subscripti	on Report > 8	Subscription Repo	ort Information					
 ♦	Subscription Report	Information									
lahi.	Report Name			Software Report by F	ocus List						
	Description			Show specific applica	ation from focus list and ignore th	o other application.					
	Apply List			Apply Trust List	Apply Focus List						
۰				Adobe Application	 Microsoft Application 	Select from software focus list					
a,	Enable			Enable Report							
0											
	🖬 Mail Template 🔷	Rule Settings						Q, Pro	riew Selected	Device 🕇 Add	d Rule
	Step 2: Set the selec	ted device's rule	\$								
	Separtment	Field Nam	ė		Operator Contains	(3W)	Keywa	rda			
	- Department				Contains	(3W)					
											- 1
											- 1
											- 1
								X Can	cel 🔶 P	revious 🏼 🌩	Next

7. Enter the information required on the Rule Editor pop-up window. Once you have finished editing the rule on which to filter devices, click on **Save**.

Field Name	Department	
Operator	Contains	
Keyword	SW × Press the 'Enter' key to set a Keyword	

8. Your new rule will appear in the window below. Click on **Preview Selected Device** to view the device(s) results of your newly added rule.



9. Repeat steps 6 and 7 to add another rule.

10. (optional) You may also edit or delete a rule by clicking on the rule, then repeat steps 4 to edit the rule, or click on **Delete** to delete the rule.

Rule Editor	¢
Field Name	The Department The De
Operator	Contains •
Keyword	SW × Press the 'Enter' key to set a Keyword
	¥ Cancel

11. Click on **Next** once you are finished.

A	5US C ontro	l Center				17	':20 🙂	0 0	Maministrato	4
*	LIII Software	Report > 🔊 Si	ubscripti	on Report > §	Subscription Repor	rt Information				
 ♦	Subscription Rep	ort Information								
laad.	Report Name			Software Report by F	ocus List					
	Description			Show specific application	ation from focus list and ignore the	other application.				
۵.	Apply List			Apply Trust List	Apply Focus List					
۰				Adobe Application	Microsoft Application ×	Select from software focus list				
a,	Enable			 Enable Report 						
C										_
	😂 Mail Template	Rule Settings						Q. Preview	Selected Device + Add	Rule
	Step 2: Set the se	elected device's rules								
		Field Name			Operator	_	Keywor	da		
	Separtment				Contains	(SW)				
								× Cancel		
								× Cancel	♦ Previous	Next

- 12. Select a **Send Date** from the drop down menu to specify when the report will be sent. The **Send Date** options are as below:
 - Every Week: Send a report every week on a selected weekday.
 - First day of the month: Send a report on the first day of every month.
 - Nth day of the month: Send a report on the selected day of each month.
 - Last day of the month: Send a report on the last day of each month.

A	SUS Control Center	17:35 🕲 🚱 🚯 🔤 Administrator 🛔
#	🔟 Software Report > 🔊 Subscript	ion Report > Subscription Report Information
표 수	Subscription Report Information	
Lad.	Report Name	Software Report by Focus List
	Description	Show specific application from focus list and ignore the other application.
4	Apply List	Apply Trust List Apply Focus List
•		Adobe Application × Im Microsoft Application × Select from software focus list
a,	Enable	Enable Report
3		
	🕿 Mail Template 🔷 🔿 Rule Settings 🔷 🔿 Run Time	
	Step 3: Set the Run Time	
		Mth day of the month v
	Send Date	10 •
		Days Months All
	Data Period	- 1 + Months
		Entire month
		Depend on send date
		Next Run Time
		The report will be mailed on: 2019/06/10 00:00
		Containing data from the following period: 2019/05/10 ~ 2019/06/09
		2010/00/10 - 2010/00/00
		X Cancel

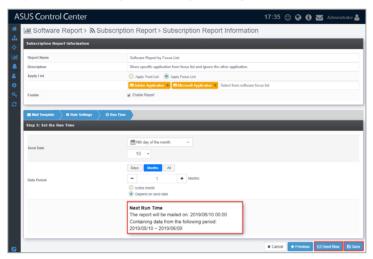
13. In the date period field, select the period of time the report will be generated on. The report will be generated on the information prior to the day the report is mailed, including the day it will be mailed.

The different Date Period options are as below:

- Days: The report generated will be based on information from your selected number of days before the day the report is mailed.
- **Months**: The report generated will be based on information from your selected number of months before the day the report is mailed. Additional options are available if you selected **Months**.
 - Entire Month: This will generate information starting on the Send Date's previous month, with each month calculated from start of the month till the last day of the month.
 - Depend on send date: This will generate information starting on the Send Date, with each month calculated as the previous day of the send date till the day of the send date.

ASUS Control Center	17:35 🙂 🔇 🔂 🖂 Administrator 🚢
	tion Report > Subscription Report Information
Subscription Report Information	
Lill Report Name	Software Report by Focus List
Description	Show specific application from focus list and ignore the other application.
Apply List	Apply Trust List Apply Focus List
•	Adobe Application Microsoft Application Select from software focus list
C Enable	Enable Report
<i>c</i>	
🕿 Mail Template 🔷 🕈 Rule Settings 🔷 🛇 Run Tim	
Step 3: Set the Run Time	
Send Date	Ath day of the month
	10 🔹
	Dans Months All
Data Period	
Data Period	Entire month
	Depend on send date
	Next Run Time
	The report will be mailed on: 2019/06/10 00:00
	Containing data from the following period: 2019/05/10 ~ 2019/06/09
	¥ Cancel

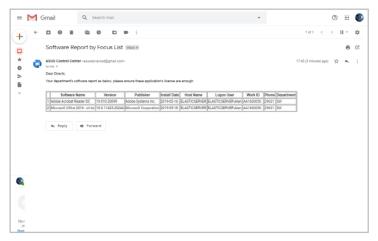
14. You can view information on when you will receive the next report, and the time period the report is generated on in the window below. Once you finished editing the Run Time, you may click on Send Now to immediately receive a report, then click on Update to save your settings.



• Report as a result of applying **Trust List**. (Does not show white listed applications)

								1 of 1 <	> 3
Software Report by Trust Li	st Inbox ×								
ASUS Control Center <asusserverssd@gmail to me *</asusserverssd@gmail 	.com>						16:28	(2 minutes ago)	☆
Dear Directs,									
Your department's software report as below, pl	ease ensure these ap	plication are follow	ed company?	policy.					
Software Name	Version	Publisher	Install Date	Host Name	Logon User	Work ID	Phone	Department	
1 HeavyLoad V3.5.1 (64 bit)	3.5.1 J	IAM Software	2019-05-10	ELASTICSERVER	ELASTICSERVERVAlan	AA1600050	29631		
2 Conexant HD Audio	8.00.05.54	Conexant	2019-05-11	ELASTICSERVER	ELASTICSERVERVAlari	AA1600050	29631	SW	
3 Intel(R) Management Engine Components	1.0.0.0	ntel Corporation	2019-05-12	ELASTICSERVER	ELASTICSERVERIAIan	AA1600050	29631	SW	
4 Microsoft VC++ redistributables repacked	12.0.0.0	ntel Corporation	2019-05-12	ELASTICSERVER	ELASTICSERVERIAlan	AA1600050	29631	SW	
5 Vulkan Run Time Libraries 1 0 65 1	10651	unarG, Inc	2019-05-13	FLASTICSERVER	FLASTICSERVERIAIan	AA1600050	29631	SW	
6 NetBeans IDE 8.2	8.2	letBeans.org	2019-05-14	ELASTICSERVER	ELASTICSERVER\Alan	AA1600050	29631	SW	
7 MySQL Workbench 6.3 CE	6.3.10	Dracle Corporation	2019-05-15	ELASTICSERVER	ELASTICSERVER\Alan	AA1600050	29631	SW	
8 PuTTY release 0.71 (G4-bit)	0.71.0.0	Simon Tatham	2019-05-15	ELASTICSERVER	ELASTICSERVER\Alan	AA1G00050	29631	3W	
9 Python 3.6.4 pip Bootstrap (32-bit)	3.6.4150.0 F	ython Foundation	2019-05-16	ELASTICSERVER	ELASTICSERVER\Alan	AA1600050	29631	SW	
10 libwebp	030 0	CentOS	2019-05-17	KuhemelesMaster	KubernetesMaster/Charles	AA1600053	29768	SW	
11 webkilgfk4-plugin-process-gfk2	2.14.7	CentOS	2019-05-18	KubernetesMaster	KubernetesMaster\Charles	AA1600053	29768	SW	
12 ganglia-web	16.0.11425.20244	CentUS	2019-05-18	KubernetesMaster	KubernetesMaster/Unaries	AA1600053	29/68	SW	
13 PackageKit-gstreamer-plugin	1.1.5	CentOS	2019-05-19	KubernetesMaster	KubernetesMaster/Charles	AA1000053	29768	3W	
14 python-decorator	3.4.0	CentOS	2019-05-20	KubernetesMaster	KubernetesMaster/Charles	AA1600053	29768	SW	
15 gnome-shell-extension-common	322.2	CentOS	2019-05-20	KubernetesMaster	KubernetesMaster\Charles	AA1600053	29768	SW	

 Report as a result of applying Focus List. (Only shows applications on the focus list)



15. Your new report subscription should appear in the Subscription Report List on the main screen of **Subscription Report**.

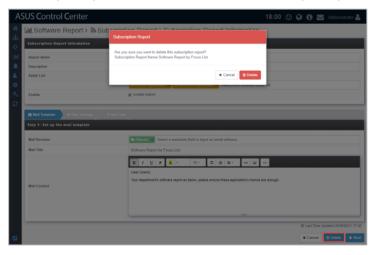
_		Subscription Report				_	-
Subscri	tion Report List					Action ~	+/
Press	e 'Enter' key to search						
	Report Name	Description	Last Run Time	Next Run Time	Update Time	Status	Sw
	are Report by Trust List	Show all application but ignore known a		2019/06/10 00:00	2019/05/21 16:26	Running	1
Softw	are Report by Focus List	Show specific application from focus list		2019/06/10 00:00	2019/05/21 17:42	Running	1

To edit or delete a subscription report:

1. Click on the subscription report you wish to edit.

Subscripti	on Report List					Action ~	+
Press the	'Enter' key to search						
	Report Name	Description	Last Run Time	Next Run Time	Update Time	Status	Sv
	Report by Trust List Report by Focus List	Show all application but ignore known a Show specific application from focus list		2019/06/10 00:00 2019/06/10 00:00	2019/06/21 16:26 2019/06/21 17:42	Running	

2. Repeat steps 2 to 14 of the **To create a Subscription Report** section to edit a subscription report, or click on **Delete** to delete the subscription report.



Switching the status of a subscription reports:

1. Click on the subscription reports you wish to switch the subscription status of.

Subsc	iption Report List					• Action ~	+
Pres	the 'Enter' key to search		* Clear				
	Report Name	Description	Last Run Time	Next Run Time	Update Time	Status	Sv
	ware Report by Trust List ware Report by Focus List	Show all application but ignore known a. Show specific application from focus list.		2019/06/10 00:00 2019/06/10 00:00	2019/05/21 16:26 2019/06/21 17:42	Running Running	

2. Click on Action, then select if you want to pause or run the report.

ASUS Control Center			·	18:03 🙂 🚱 🚯 🜄 Admi	nistrator ≗		
Software Report >	Subscription Report						
Subscription Report List				Action & 1	+ Add		
III Press the 'Enter' key to search	Press the 'Enter' key to search			Switch Status			
Report Name Report Name Software Report by Foorb List Software Report by Foorb List	Devolution Share all application for the large tensors a. Show specific application from focus let.	Last Run Tine	Rear Data Time 2019/06/10 00:00 2019/06/10 00:00	Updati Pairs Report 201955 Pairs Report 201955 Pairs Report 201955 Tr.42	Switch		

5.2 Task Report



The information entered in this section is for reference only.

Task Report provides you with information on Software Dispatch, BIOS Flash, Agent Update, and Agent Deploy. These reports allow you to view when applications, BIOS, or agents were deployed, where they were deployed and their process statuses, helping you track all application, BIOS, and agent activity.

To access **Task Report**, click **I** > **Task Report** in the left menu.

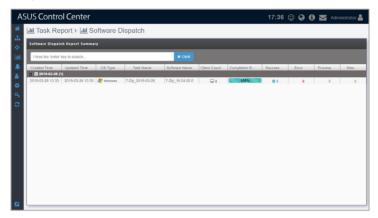
A	SUS Control Center		15:46	5 🙂 🚱 🚯 🔛 Administrator 🛔
*	III Task Report			
•••	Task Report			
 ▲ ▲	<u> .1.1</u>		<u>.111</u>	
۰	Software Dispatch	BIOS Flash	Agent Update	Agent Deploy
& ℃				



If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to **2.1.4 Search and Filter devices** section.

5.2.1 Software Dispatch Report

The **Software Dispatch Report** gives you an overview of all activities of application deployment. On the Software Dispatch report screen you can view information such as the date an application was dispatched, the last time its status was updated, the completion rate, how many clients the application was dispatched to, and also the status of the dispatch. You can refer to **4.4.3 Software Dispatch Task Report** for more details.



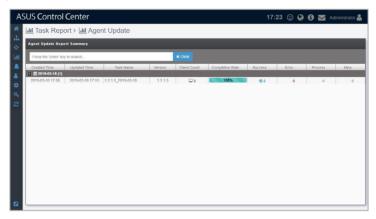
5.2.2 BIOS Flash Report

The **BIOS Flash Report** will display a history of BIOS flashes performed using ASUS Control Center. Each item will display the information on the BIOS, the device flashed, and status of the BIOS flash. You can refer to **4.2.3 BIOS Flash Task Report** for more details.

SUS Contro	l Center						19:40	© Ø (🕽 🔽 Adır	iinistrato
Lill Task Re	port > [<mark>.iii]</mark> Bl	OS Flash								
BIOS Flash Repo	rt Summary									
Press the 'Enter' I	key to search			× Clear						
Created Time	Updated Time	Task Name	Model	Version	Client Count	Completion R	Success	Error	Process	Miss
2019-03-26 (1 2019-03-26 19:08		UN65U_2019-03-26	UN65U	0614	2	100%	Q 2	0	0	

5.2.3 Agent Update Report

The **Agent Update Report** displays information on each upgrade to the deployed Windows and Linux agents. Each item showed on the Agent Update Report represents a single batch of agent updates. You can refer to **10.1.2 Agent Update Report** for more details.



5.2.4 Agent Deploy Report

The **Agent Deploy Report** will display information on each time agent(s) are deployed onto managed devices. The list of agent deployment results are grouped be each batch of agent deployments. You can refer to **3.1.6 Agent Deploy Report** for more details.

ASUS Control Cent	er			17:00) © Ø Ø 1	Administrator 💄
Lill Task Report > L	III Agent Deploy					
Agent Deploy Report						
Press the 'Enter' key to search	h	×				
Created Time	Updated Time	Client Count	Completion Rate	Success	Error	Process
2019-04-15 (3)						
	2019-04-25 16:52	Q 1	100%	01	0	0
2019-04-15 11:48	2019-04-25 16:52	P 1	100%	01	0	0
2019-04-15 10:52	2019-04-25 16:52	Q1	100%	01	0	0
■ ■ 2019-04-03 (1)						
2019-04-03 15:28	2019-04-25 17:27	Q 2	100%	© 2	0	0
2019-03-20 11:51	2019-04-25 17:27	- 2	100%	02	0	0

Chapter 6

This chapter describes setting the notifications and SMTP Server

Notification

6.1 SMTP Settings



The information entered in this section is for reference only.

Set up the SMTP (Simple Mail Transfer Protocol) for ASUS Control Center to allow feedback on system failures and alerts to be sent via email to the system administrator.

To access **Software Report**, click in the left menu, then click on **SMTP Settings**.

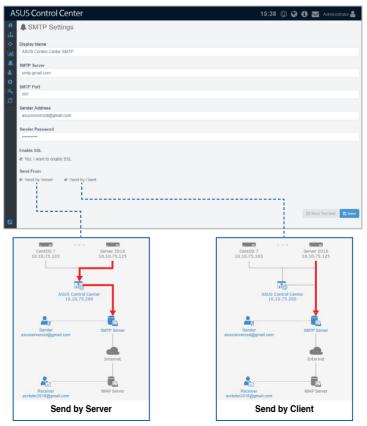
A	SUS Control Center	15:38 🙂	0 6 🖬	Administr	ator 畠
# #	SMTP Settings				
\$	Display Name				
Lut	ASUS Control Center SMTP				
	SMTP Server				
۵.	smtp.gmail.com				
ب	SMTP Port				
	587				
C					
	Sender Address asusserverssd@gmail.com				
	asusserverssolggmail.com				
	Sender Password				
	Enable SSL				
	Send From				
	Send by Server Send by Client				
			⊠ Send	Test Mail	🕅 Save

To set up the SMTP Server:

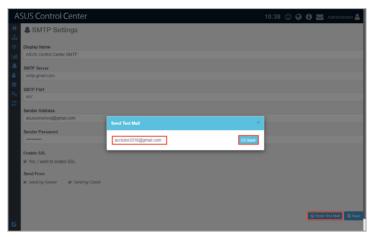
1. Fill in or check the following fields:

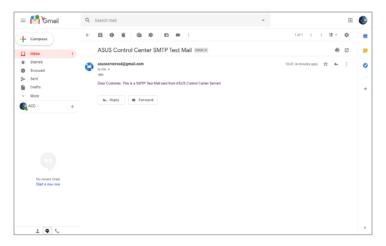
Display Name	The name of this SMTP setting. The display name will not appear on sent emails.
SMTP Server	The SMTP server responsible for collecting and sending emails
SMTP Port	Service port for SMTP. Common ports used are 25 (SMTP former default port), 465 (encrypted SMTP), and 587 (new SMTP default)
Sender Address	The email of the ACC notification sender. This email address must exist within the SMTP Server service
Sender Password	The password for the ACC notification email sender
Enable SSL	Enables mail sent or forwarded through this SMTP server are SSL encrypted
Send by Server*	When there are issues with managed devices whilst within the same domain as ACC, ACC will send emails using the SMTP server
Send by Client*	When there are issues with managed devices whilst not in the same domain as ACC, the managed device will send emails using the SMTP server

* Refer to the flow charts at the bottom of the page for more details on the difference between Send by Server and Send by Client.



2. (optional) Click on **Send Test Mail**, then enter an email and click **Send** to receive the test mail to check the status of the SMTP. If the SMTP is functioning properly, you should receive an email.





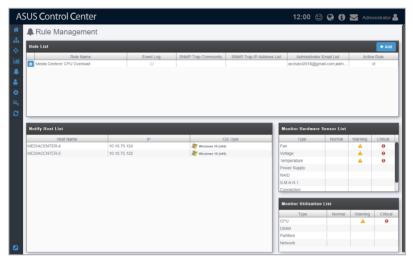
3. Click **Save** to save the changes made.

A	SUS Control Center			🕄 🔛 Adm	
44 45	SMTP Settings	SMTP Configuration ×			
¢ الله	Display Name ASUS Control Center SMTP	Successfully updated the SMTP setting.			
*	SMTP Server smtp.gmail.com				
e a.	SMTP Port				
2	587 Sender Address				
	asusserverssd@gmail.com				
	Sender Password				
	Enable SSL Yos, I want to enable SSL				
	Send From				
	R Send by Server R Send by Olient				
				Send Test M	
				Send Test M	all 🖺 Save

6.2 Rule Management

Rule management allows you to add or delete rules on notifications. When a device is in warning or critical status, a notification will be sent to the system administrator.

To access **Rule Management**, click **I** in the left menu, then click on **Rule Management**.

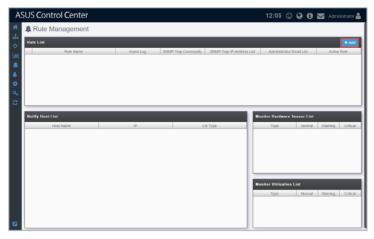




If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to **2.1.4 Search and Filter devices** section.

Adding a new rule

1. Click Add.



2. Enter a rule name, then select the devices to apply the rule to. Click Next.

'Enter' k	ey to search X Cle	ear	III Opt	ions
nection	Host Name	OS Information	IP Address	HW
nline	ELASTICSERVER	Server 2016 (x64)	10.10.75.125	Norm
nline	KubernetesMaster	👫 CentOS 7.4 (x64)	(10.10.75.103)	Norm
nline	MEDIACENTER-4	<i>灣</i> Windows 10 (x64)	10.10.75.124	Norm
nline	MEDIACENTER-2	🏄 Windows 10 (x64)	10.10.75.122	Norm
	nection Inline Inline	Host Name Host Name ELASTICSERVER KubernetesMaster Inline MEDIACENTER-4	nection Host Name OS Information Inline ELASTICSERVER A Server 2016 (x64) Inline KubernetesMaster & CentOS 7.4 (x64) Inline MEDIACENTER-4 Windows 10 (x64)	Host Name OS Information IP Address Inline ELASTICSERVER # Server 2016 (x44) (10.10.75.125) Inline KubernetesMaster * Cento S 7.4 (x64) (10.10.75.103) Inline MEDIACENTER-4 # Windows 10 (x64) (10.10.75.124)

3. Select conditions (type and status of hardware or utilization sensors) to send notifications, then click **Next**.



 The checkbox checked when selecting the hardware sensor or utilization type and status will send notifications when the status shifts from the other two statuses to the status checked. For example, checking Normal will send notifications when the status changes from Warning or Critical to Normal.

• To set the status thresholds for the Utilization Type, please refer to **2.2.2 Utilization.**

Hardware Sensor Type	Normal	- Warning	Critical
Fan		Image: A state of the state	•
Voltage			 Image: Contract of the second s
Temperature			
Power Supply			
RAID			
S.M.A.R.T.			
Connection			
Backplane			
Utilization Type	Normal	Warning	Critical
CPU			a
DIMM			
Partition			
Network			

- 4. Select the notification method between the following options (multiple notification methods may be selected):
 - Event Log

The notification will be displayed on the device's event log and system overview.

Add Rule	:	×
Select 3: Select a	it least one notification method.	
Event Log		
SNMP Trap	Community	
	EX: asus	
	Receiver's IP address	
	EX: 192.168.0.1	
	Device administrator's email address	
	acctutor2018@gmail.com × admin1@asus.com ×	
	EX: admin1@asus.com;admin2@asus.com;	
	Tip: Press <enter> to add another email address separated by a semi- colon.</enter>	
	← Previous Save	J

• <u>SNMP Trap</u>

The notification is recorded in the SNMP Trap Receiver, ensure to enter the corresponding information into the **Community** and **Receiver's IP** address fields.

Add Rule		×
Select 3: Select a	at least one notification method.	
Event Log		
SNMP Trap	Community	
l onum nup	EX: asus	
	Receiver's IP address EX: 192.168.0.1	
	Device administrator's email address acctulor2018@gmail.com × admin1@asus.com × EX: admin1@asus.com;admin2@asus.com;	
	Tip: Press <enter> to add another email address separated by a sem colon.</enter>	ŀ
	♦ Previous	е

• Email

> The notification is sent to the entered email addresses of the IT department as well as all people associated with the device.



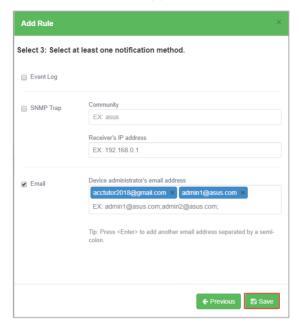
Ensure to set up the SMTP server settings before using the email function. For more information please refer to 5.1 Setting up the SMTP Server.



When entering multiple emails, use a semicolon '; ' to separate the emails.

Add Rule	at least one notification method.	×
Event Log		
SNMP Trap	Community EX: asus Receiver's IP address EX: 192.168.0.1	
🕑 Email	Device administrator's email address acctutor/2018@gmail.com × EX: admin1@asus.com × EX: admin1@asus.com;	
	Tip: Press <enter> to add another email address separated by a semi- colon.</enter>	
	← Previous	

5. Click on Save after finished selecting your notification method(s).



Your newly added rule should appear in the main Rule Management screen, under **Rule List**, this displays the rule name and details of your selected notification method. Clicking on the newly added rule will display the devices associated with the rule in the **Notify List**, and the list of hardware and utilizations being monitored in the **Monitor Hardware Sensor List** and **Monitor Utilization List**.

ASUS Control Center	er			12:00 🙂	00	M Adm	inistrator 畠
📫 🌲 Rule Manageme	ent						
Rule List							+ Add
Rule Name		SNMP Trap Community	SNMP Trap IP Address List	Administrator I acctutor2018@gm		Activ	e Rule
* * * 2							
Notify Host List			Ma	onitor Hardware !	Sensor List		
Host Name	IP		Type	Туре	Normal	Warning	Critical
MEDIACENTER-4	10.10.75.124	Mindows 10 (x64)	Far			A	0
MEDIACENTER-2	10.10.75.122	🎥 Windows 10 (x64)		lage		A	0
				perature		A	0
			Pol	ver Supply			_
				LART			
				nection			Ĩ
			м	onitor Utilization			
				Type	Normal	Warning	Critical
			CP			▲	0
			Dill	tition			
				work			
			Ives	TUR			

Deleting a notification rule

1. Select a rule in the **Rule List** you wish to delete, then click on in the **Delete Rule** column.

Rule Name								+/
 metua Cemers CPU Ovencad 		Event Log	SNMP Trap Community	SNMP Trap IP Address Lis	Administrato acctutor2018@g		Activ	e Rule
								_
Notify Host List					Monitor Hardware			
Host Name	10 10 75 124	IP		OS Type	Type	Normal	Warning	Critic
	10.10.75.124	IP	🧩 Windows 10 (x64	DS Type	Type Fan		Warning	Critte 9
Host Name MEDIACENTER-4		IP		DS Type I) I)	Type		A	θ
Host Name MEDIACENTER-4		lb	🧩 Windows 10 (x64	2S Type I) I)	Type Fan Aoltage		▲ ▲	0
Host Name MEDIACENTER-4		IP	🧩 Windows 10 (x64	DS Type I) I)	Type Fan Aoltage Femperature		▲ ▲	0
Host Name MEDIACENTER-4		qı	🧩 Windows 10 (x64	05 Type 0 9	Type Fan Aollage Femperature Power Supply		▲ ▲	0
Host Name MEDIACENTER-4		Ρ	🧩 Windows 10 (x64	DS Type 0	Type Fan Autlage femperature Power Supply RAID		▲ ▲	0
Host Name MEDIACENTER-4		IP	🧩 Windows 10 (x64	DS Type 0	Type Fan Aottage Femperature Power Supply RAID S.M.A.R.T.	Normal	▲ ▲	0
Host Name MEDIACENTER-4		9	🧩 Windows 10 (x64	DS Type 0	Type Fan Aotlage Femperature Power Suppty S.M.A.R.T. Connection	Normal	▲ ▲	0

2. Click **Delete** to delete the rule.

Delete Rule		
Are you sure you would like to delete this rule?		
	★ Cancel 🗎 Delete	

6.3 Asset Changes

Asset Changes allows you to set notifications for software or hardware changes on managed devices. Notifications are sent when software not on the Trust list have been installed on managed devices, or if hardware such as CPUs or DIMMs that do not comply to company specifications are installed onto managed devices. This function will keep you alerted of potential risks to managed devices.

To access **Asset Changes**, click

AS	SUS Control Center	14:00 😳 🚱 🔂 🔀 Administrator 🛔
*	🌲 Asset Changes	
***	Asset Changes	
۰	Software Asset Hardware Asset	
or 12		

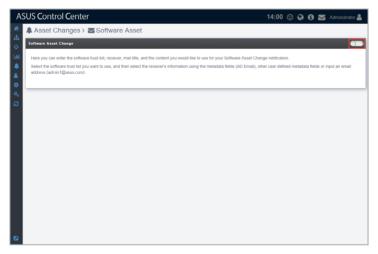
6.3.1 Software Asset

Software Asset allows you to set notifications when there are applications not in the Trust List being installed on managed devices. These notifications will be sent immediately to the owner of managed device as well as his/her director.



To enable software asset :

1. Click on the button to configure and enable software change notifications.



2. Select a Trust List to apply. Notifications will be sent when new software is installed on managed devices which do not appear on the Trust List.



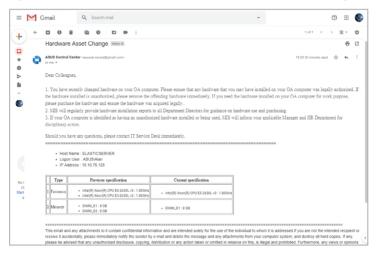
For more information on Trust List, please refer to **5.1.2 Trust List** section of this manual.

- 3. Enter the recipients of the notification email.
- 4. Click on **Save** after composing the title and content of the notification email.

A	SUS C ont	rol Cent	er 14:00 🙂 🚱 🔂 Administrator 🛔
*	Asset (Changes	Software Asset
표 수	Software Ass	et Change	
Laal	,		are trust list, receiver, mail title, and the content you would like to use for your Software Asset Change notification.
*		nin1@asus.com	ou want to use, and then select the receiver's information using the metadata fields (AD Email), other user defined metadata fields or input an email
0 a.	Apply Sof	tware Trust List	ACC Windows Agent Bit Google Chrome Select from software trust list
3		То	© AD Mail × Select a metadata field or input an email address
		сс	E admin1@asus.com Select a metadata field or input an email address
		BCC	Director × Select a metadata field or input an email address
		Mail Title	Software Asset Change
		Mail Content	
			Dere collegene. 1 Voo have needen installed or updatel schware on your OA computer. Paase ensure that any software had you may have installed or updatel or does not have the construct (cores, pieze nemes the efforting otherse mendative), if you need to estimate antibilistic or your OA computer fruint (uppers) pieze parasets and estimate the adverte sale socialized gains with the spottabale socies.
			2 MIS will regularly provide software installation reports to all Department Directors for guidance on software use and purchasing. 3 If your OA concuter is identified as having an unsufforcided software installed or being used. MIS will inform your applicable Manager and HR Department for disciplinary action.
			Should you have any questions, please contact IT Service Desk immediately.
Γ			
			Seve

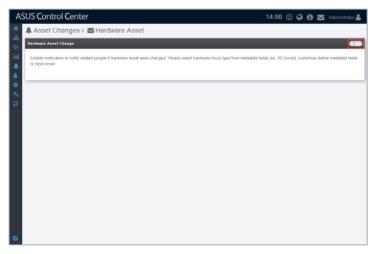
6.3.2 Hardware Asset

Hardware Asset allows you to set notifications when there are hardware components which do not comply to company specifications being installed on managed devices. These notifications will be sent immediately to the owner of managed device as well as his/her director and will list the hardware changes.

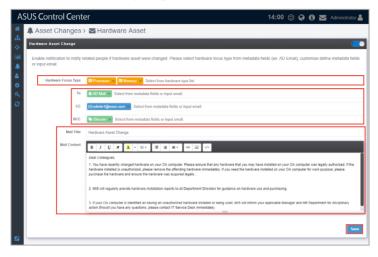


To enable hardware asset :

1. Click on the button to configure and enable software change notifications.



- 2. Select which hardware components you wish to receive notifications for.
- 3. Enter the recipients of the notification email.
- 4. Click on **Save** after composing the title and content of the notification email.



Chapter 6:	Notification
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Chapter 7

This chapter describes how to add and edit accounts and roles for different users.

7.1 Role Privilege Management

Role Privilege will allow you to create roles with different permissions which gives you control over the functions and information accessible to each role created. A **Viewer** role privilege is available by default, which only allows accounts assigned with this role privilege to view all the functions, but cannot edit customized roles. There is no Administrator role in the **Role List** by default, but you can create one by enabling all permissions when creating a new role, this will allow accounts assigned with this role to add, edit, or delete when using any function, and also allows you to customize roles.



The **Admin** role assigned to the default Administrator account of ASUS Control Center will not appear in the **Role List** and cannot be edited.

To access **Role Privilege Management**, Click **a** in the left menu, then click on **Role Privilege**.



Adding a new role

You can add new roles and set the permissions of this role. For example, assigning an account with Software User role which is customized to only allow users with this role access to ASUS Control Center software related functions, or creating an account with BIOS User role which is customized to only allow users access to ASUS Control Center BIOS related functions.

1. Click on Add.



2. Select between Create new role and Copy from exist role, then click OK.



- Create new role: Create a new role with no permissions enabled in Privilege Configurations.
- Copy from exist role: Select from an existing role (including the Admin role assigned to ASUS Control Center's default administrator account), this will load the Privilege Configurations of the selected account into the new role.

exist role?		ration or copy privilege configuration from
Create Type	Create new role	Copy from exist role
		🗙 Cancel 🗸 OK
Role Information		
Create a new role usin	g blank privilege config	urations or \n copy privilege configurations
Role Information Create a new role usin from an existing role? Create Type		urations or \n copy privilege configurations Copy from existing role

- 3. Enter the Role Name and Description of the new role.
- 4. Select and check / uncheck the permissions to enable / disable for the role in the **Privilege Configuration** block.
 - If you chose Copy from exist role in step 2, your Privilege Configurations list should be the same as the role you selected to copy from. You can still customize the permissions for this new role.
 - You can click on I have a next to each permission category to expand / collapse the category to view / hide the permissions available for that permission category.
 - You can use the Search Bar to search and filter through the permission items in the **Privilege Configurations** list.
- 5. Click Add once you have finished.

A	SUS Control Center		12:28 🙂	00 🗖	Administrator 🚨
*	Role Privilege Management > Role Configuration				
•	Role Information				
Lail	Role Name Software User				
i.	Description Software function only				
۵	Privilege Configuration				
0	Press 'Enter' key to search	t Clear			
	Account (1) Centralized\ BIOS Flash (3)				1
	Centralized Metadata (3) Gentralized Power Control (2)				
	Centralized Security Management (2) Centralized Software Dispatch (4) Software Dispatch Task (1)				
	Software Pool (3)				
	Add Software Pool E dit Software Pool				
	View Software Pool Centralized Task Scheduler Management (3)		_	_	
	Configuration (20) Deployment (5) Device Information (49)				ľ
	License (2) Mission Center (2)				
					x Cancel + Add

Editing a role

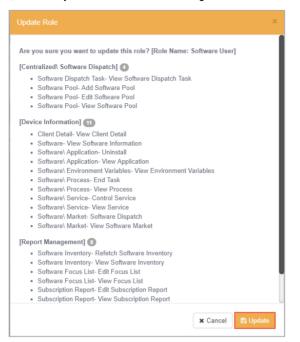
1. Click on the role you wish to edit from the Role List block.

upplied Count 1 0	ASWM Enterprise Default Software function only	t User	Description	
1		t User	Description	
		t User		
0	Software function only			_

2. You can edit the **Role Name** and **Description**, and also configure the permissions in the Privilege Configuration list. Once you are finished click on **Update**.

A	SUS Control Center		16:08 🙂 🚱 🕄 🔀 Administrator 🚢
*	& Role Privilege Management > Role Configurat	ion	
	Role Information Role Name Software User		
*	Description Software function only		
•	Privilege Configuration		
2	Press 'Enter' key to search	× Clear	
	Centralized(BIOS Flash (3) Centralized(Metadata (3)	ltern	1
	Centralized\ Power Control (2) Centralized\ Security Management (2)		
	Centralized\ Software Dispatch (4) Centralized\ Task Scheduler Management (3)		
	Configuration (22) Deployment (5)		
	Device Information (45) License (2) Mission Center (2)		
	Monitor (1) Notifications (9)		•
	Report Management (8) Report Summary (1)		
	System Overview (1)		🗙 Cancel 🖹 Defeter 🗈 Update

 A pop-up window should appear and allow you to check the changes made to the role, click on Update to confirm these changes.



Deleting a role



Account(s) associated with a role will be deleted too when you delete a role. You can check how many accounts are associated with the role in the Applied Count column. For more information on managing accounts, please refer to **7.2 Accounts Management**.

You can delete a role using the following methods:

- Deleting the role from the Role List
 - 1. Click on 🔟 next to the role you wish to delete.

A	SUS Control Center			11:30 🙂 🤪 🌘	🕽 🔛 Administrator 🖁
* *	Role Privilege Management				
	Role List				tén +
Lat	Role Name Viewer	Applied Count	ASWM Enterprise Default User	Description	
	Software User	0	Software function only		
•					
94					
0					

2. Click Delete to delete the role.

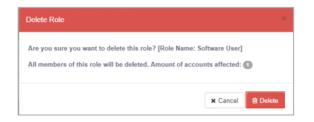


- Deleting the role from Role Configuration
 - 1. Click on the role you wish to delete from the Role List block.

A	SUS Control	Center			11:30 🙂 🤪 (🗓 🚾 Administrator 🚢
*	& Role Privil	ege Management				
# ♦	Role List					+ Add
Lat	Viewer	Role Name	Applied Count	ASWM Enterprise Default User	Description	
	Software User		0	Software function only		
٠						
94						
0						

2. Click Delete to delete the role.

A	SUS Control Center				16:08 (9 9	0 🗖		itrator 🚨
*	& Role Privilege Manage	ment > Role Configuration	n						
*** •	Role Information	Software User							
*	Description	Software function only							
•	Privilege Configuration								
2	Press 'Enter' key to search								
	н		Ibr	em		_		_	
	 Centralized\ BIOS Flash (3) 								_
	Centralized\ Metadata (3)								
	Centralized\ Power Control (2) Centralized\ Security Management (2)								
	Centralized\ Software Dispatch (4)								
	Centralized\ Task Scheduler Manageme	et (3)							
	Configuration (22)								
	Deployment (5)								
	Device Information (45)								_
	+ License (2)								
	Mission Center (2)								
	 Monitor (1) 								
	Notifications (9)								
	 Report Management (8) 								
	Report Summary (1)								
	System Overview (1)		_		_	_			
						× C	incel 🟦	Detete	D Update



7.2 Accounts Management

Accounts Management displays all user accounts on ASUS Control Center, and allows you to add, edit, or delete accounts. ASUS Control Center comes with a default Administrator account with Admin role privileges, and a User account with Viewer role privileges.

To access Accounts Management, you can use the following methods:

- Click Sin the left menu, then click on Accounts Management.
- Click 📓 (Account Information) in the top right corner, then select Settings.

ASUS Control Center			1	1:50 🙂 🚱	🕽 🔛 Administrator 🖁
Accounts Manager	nent				
Account Management					+ Add
Administrator User		Role Name Admin Viewer	Active	Power User View Only	Description
A					
a. 2					
~					
Ø					

Adding a new account

You can add new accounts and apply customized roles to them, allowing you to and control the functions and information each account can access with ease. For example, assigning an account with Software User role which is customized to only allow users with this role access to ASUS Control Center software related functions, or creating an account with BIOS User role which is customized to only allow users access to ASUS Control Center BIOS related functions.



For more details on role privileges, please refer to **7.1 Role Privilege** Management.

1. Click on Add.

ASUS Control Center			1	1:50 🙄 🤤) 🚯 🔛 Administrator 🛔
Accounts Management					
Account Management					+ Aits
All User User	Email	Role Name Admin Viewer	Active 2	Power User View Only	Description
A					
4					
2					

- 2. Enter the username, password, and email of the new account.
- 3. Select a role in the **Role Name** field.



For more details on adding new roles, please refer to Add Role under 7.1 Role Privilege Management.

- 4. Enter a brief description for the account.
- 5. (optional) Check or uncheck **Enable the account** in the **Active** field to enable or disable the newly created account.



This option is set to enabled by default.

6. Click on Save once you have finished.

Add New Account		
Username	Alan	
Password	•••••	Ø
Confirm Password	•••••	Ø
Email	alan@asus.com	
Role Name	Software User	
Description	Software function only	
Active	Enable the account	
		X Cancel

7. Your newly created account should appear in the Account Management list.

Accounts Manag	gement			
Account Management				
Username	Email	Role Name	Active	Description
Administrator		Admin	2	Power User
Alan	alan@asus.com	Software User		Software function only
User		Viewer		View Only

Logging in to ASUS Control Center using different accounts with different roles assigned will affect the items the account can gain access to, depending on the permissions assigned to the role selected. For example, logging in an account which you have set to a role with access only to Software related functions will result in the following screenshot.



Editing an account

1. Click on the account you wish to edit.

Accounts Ma	nagement				
Account Management					
Username		Email	Role Name	Active	Description
Administrator			Admin	8	Power User
Alan	alan@asus.com		Software User	8	Software function only
User			Viewer		View Only

2. You can edit the **Password**, **Email**, **Role Name**, **Description**, and **Active** fields. Once you have finished editing click on **Save** to save the changes made.

Edit Acco					×
1	Username	Alan			
	Password	e.g., *******			Ø
Confirm	Password	e.g., *******			Ø)
	Email	alan@asus.com			
R	tole Name	Software User			•
De	escription	Software function only			
	Active	Enable the account			
			× Cancel	Delete	🖹 Save

Deleting an account



The default Administrator and User accounts cannot be deleted.

1. Click on the account you wish to delete.

Account Management				
Username	Email	Role Name	Active	Description
Administrator		Admin	2	Power User
Alan	alan@asus.com	Software User	8	Software function only
User		Viewer		View Only

2. Click on **Delete**, then click on **Delete** again on the confirmation pop-up to delete the account.

Delete Account					
Are you sure that you want to delete this account? [Alan] ?					
	★ Cancel 🗎 Delete				
	C.9., V2				
Email	alan@asus.com				
Role Name	Software User				
Description	Software function only				
Active	Enable the account				
	¥ Cancel				



Chapter 8

This chapter describes system configuration options, and also backup and maintenance configurations.

Options

8.1 General Configuration

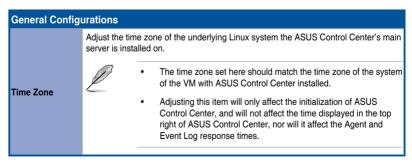
The **General Configuration** allows you to configure different settings for the main ASUS Control Center server and agents, as well as set the time zone.

To access **General Configuration**, click in the left menu, then click on **General Configuration**.

			18:56 🙂 🚱 🔽 Administrator 🛔			
uration						
			E Save			
(UTC+0	8.00) Taipei		×			
			a Sav			
-	15	+	seconde			
-	1	+	hours			
-	10	+	minutes			
-	30	+	seconds			
Agent Configuration Pi Save						
-	30	+	seconds			
-	30	+	seconds			
-	10	+	seconds			
		(UTC+00.00) Talged - 16 - 1 - 10 - 30 - 30 - 30	(UTC+00.00) Taipel			

Adjusting items on the General configurations page

Configure the items in the **General Configurations** block, **MainServer Settings** block, and **Agent Configuration** block then click on **Save** to save the changes made. For more details on the different configuration options available, please refer to the tables below:



MainServer Settings							
	Set the time interval in seconds between each refresh of data on all webpages of the main server.						
Web page refresh timer	This setting will affect the response time for items such as System Overview and Event Log .						
	Set the time interval in hours for the main server and agent update check.						
Check for updates timer	This setting will affect the main server and agent version check timer in the Updates page, and may require an Internet connection.						
	Set the time interval in minutes ASUS Control Center should perform a status check on managed v Spheres.						
Check for the Hypervisor status timer	This setting will affect the response times for items in the VM Overview page such as vSphere hardware sensors and utilization .						
	Set the time interval in seconds at which all managed device's agents should report connection status back to ASUS Control Center.						
Device connection monitoring interval	This setting will affect the response times for connection status in System Overview page, if a device's report time exceeds the response threshold time, the device will be seen as offline.						

Agent Configuration	
Hardware sensor interval	Set the time interval in seconds for all managed device's agents to return Hardware Sensor values. The default setting is 30 seconds, which means that every 30 seconds the agents need to report Hardware Sensor values and status back to ASUS Control Center. For example if a fan was removed from a device, ASUS Control Center's web interface should receive and update the status for fan ahormality on the web page within 30 seconds (Web page refresh time could affect the update time).
Utilization time interval	Set the time interval in seconds for all managed device's agents to return Utilization values. The default setting is 30 seconds, which means that every 30 seconds the agents need to report Utilization values and status back to ASUS Control Center. For example if a stress test was performed on a CPU, ASUS Control Center's web interface should receive and update the status for CPU abnormality on the web page within 30 seconds (Web page refresh time could affect the update time).
Agent response timer	Set the time interval in seconds for all managed device's agents to query tasks from ASUS Control Center. The default setting is 10 seconds, which means that every 10 seconds the agents need to query ASUS Control Center if there is a task for that device. For example, the device should perform a task of disabling the Registry, locally, within 10 seconds of disabling the Registry of that device on the ASUS Control Center web interface.

8.2 Network Configuration

The **Network Configuration** allows you to configure the network for the ASUS Control Center main server. When the device with ASUS Control Center or a hypervisor features multiple network cards, you can configure multiple networks to allow ASUS Control Center to manage different network segments.

To access **Network Configuration**, click in the left menu, then click on **Network Configuration**.

ACC-TUTOR	
ACC-TUTOR	
Static DHCP	
10.10.75.200	
255.255.255.0	
10.10.75.1	
O Auto	
10.10.75.81	
168.95.1.1	
10.10.75.201	
255.255.255.0	
10.10.75.1	
O Auto Manual	
10.10.75.81	
	10 10 75 300 200 250 250 0 10 10 75 1 6 Ado @ Manual 10 10 76 81 168 95 1.1 @ Static @ DHCP 10 10 75 201 265 85 255 0 10 10 10 75 1 6 Ado @ Manual

Adjusting the Network configurations

Configure the items in the **Host Name** block and **Network Configuration** block then click on **Save** to save the changes made. For more details on the different configuration options available, please refer to the tables below:

Host Name		
Host Name	The name of	the ASUS Control Center main server. You will need to refer to the Host Name set here when manually installing Windows agents to devices.

Network Configuration								
Address Assignment	Select DHCP to automatically set the IP address and Subnet Mask. Select Static to enter the IP address and Subnet Mask manually.							
IP Address	Enter the IP adress for this network card. Vou can only set the IP Address manually if you selected Static in the Address Assignment field.							
Subnet Mask	Enter the Subnet Mask for this network card. You can only set the Subnet Mask manually if you selected Static in the Address Assignment field.							
Default Gateway	Enter the default gateway for this network card.							
DNS	Select Auto to automatically set the DNS Server, or select Manual to manually configure the DNS Server.							
Preferred DNS Server	Enter the Preferred DNS Server for this network card. Vou can only set the Preferred DNS Server manually if you selected Manual in the DNS field.							
Alternate DNS Server	Enter the Alternate DNS Server for this network card. You can only set the Alternate DNS Server manually if you selected Manual in the DNS field.							

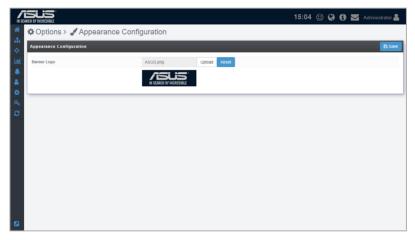


- The amount of Network Configuration blocks available will depend on the amount of network cards available.
- You will be logged out of ASUS Control Center when you save the changes made to the Network Configuration block(s). If you changed the IP address, you will need to enter the new IP address when logging in.

8.3 Appearance Configuration

The **Appearance Configuration** allows you to customize and personalize your ASUS Control Center's top left banner logo.

To access **Appearance Configuration**, click **o** in the left menu, then click on **Appearance Configuration**.

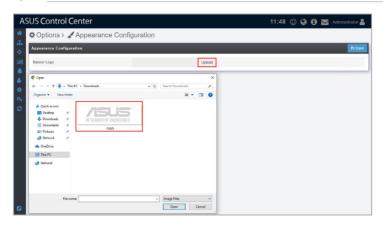


Setting a custom banner logo

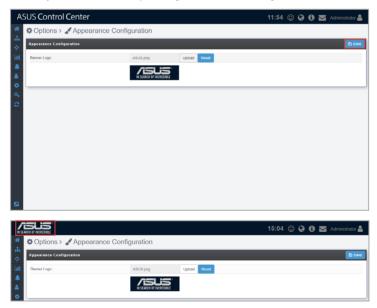
1. Click on **Upload**, then select your new banner logo.



The height dimension of the logo image file should be 56 pixels.



2. Once you have finished uploading the new banner logo, click on Save.



Resetting the banner logo

1. Click on **Reset** to reset your banner logo to the default banner logo.



2. Click on **Save** to save the changes made.



8.4 Security Configuration

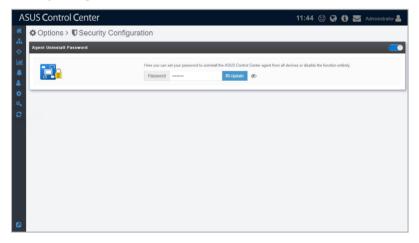


This function is only available for Windows® OS managed devices.

The **Security Configuration** allows you to set a password as a method to prevent users from removing the agents themselves. This enables a more centralized control over all managed Windows[®] devices.

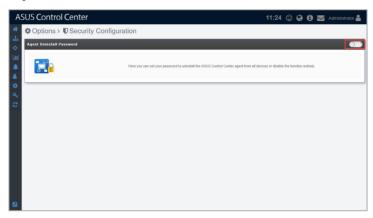
This password is separate from the agent uninstall password on individual devices (**Device Information** > **Configuration**), and setting this password will not override the individual agent uninstall passwords.

To access **Security Configuration**, click in the left menu, then click on **Security Configuration**.



Setting a new Password

1. Click on the button to bring up the pop-up window to set the Administrator's Agent Uninstall Password.



2. Enter the password you wish to set as the Administrator's Agent Uninstall Password, then click **Save** to set the new password.

Agent Unins	stall Password	
Please enter th	e password you want to set as the administrator's agent uninstall password.	
Password	🖺 Save 🔇	V
Password	B Save	ø

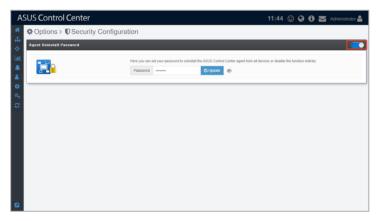
Editing the Password

Click on the **Update** button, then re-enter your new password and click on **Save** to save your new password.

A	SUS Control Center	11:44 🙂 🚱) 🚯 🔛 Administrator 🛔
*	Options > DSecurity Configuration	ition	
ф.	Agent Uninstall Password		
Lad. ▲ ▲		Here you can set your password to uninstall the ASUS Control Center egent from all devices or disable the function Password P	entirely.
0 8 0			

Disabling the Password

Click on the button located at the top right to disable the Administrator's Agent Uninstall Password.



8.5 Backup & Restore



This function is only available on exclusive ASUS systems for ACC (ACC Physical Appliance). Please contact an ASUS representative for more information.

The **Backup & Restore** function allows you to set a periodic backup of the settings and configurations of ASUS Control Center to another backup device, allowing you to easily restore the backup settings and configurations if something were to happen to the appliance.

To access **Backup & Restore**, click in the left menu, then click on **Backup & Restore**.

A	SUS Control Center					15:08 😳 🚱 🔂 🔀 Adm	iinistrator 🚨						
*	Options > Sackup & Restore	l.											
*	Bachup												
lad	Backup Protocol	Sam	nba/SMB		٧								
	Path	//10.	10.75.90/\\	/orkSp	ace//	ACC_Backup							
	Account	Adm	inistrator										
	Password					<i>¶</i> ₂							
	Backup Password					<i>4</i> 0							
94	Period	-	1	+	da	75							
C	Preserved Backup	-	5	+	file	s							
	@ Time Checked: 2019/03/20 15:00:12						_						
			_	_	_								
	Restore												
	Restore Password	-			_	<i>¶</i> 2							
	Restore Password					92							
		4					n File Here						
	Upload Restoration File		_			Of Calco Operation File	restoration 1 at						
		_				GUDpood Restoration File							

Setting the periodic backup

1. Select a Backup Protocol (currently only supports Samba / SMB protocols).

Backup					B9					
Backup Protocol	Sam	ba/SMB		•						
Path	//10.1	10.75.90/V	/orkSp	ace/AC						
Account	Admi	nistrator								
Password										
Backup Password		-								
Period	-	1	+	days						
Preserved Backup		5	+	files						
Restore Restore Password										
Upload Restoration File	1 de				Drop Restoration Fi er Cick Uptead Resto					
		Outpload Reviewation File								

If you wish to back up your ACC to a Linux OS device's SMB folder, do the following:

- <u>Close SELinux</u>
 - a. For RHEL, CentOS, Scientific Linux
 - 1. Open /etc/sysconfig/selinux.
 - 2. Set SELINUX=enforcing to SELINUX=disabled.
 - b. For Debian, Ubuntu

SELinux is not installed by default in Debian and Ubuntu.

Adding to the Firewall whitelist

- a. For RHEL, CentOS, Scientific Linux
 - If you are using iptables:
 - 1. Input the following command to allow 137, 138, and 139 ports:

```
-A INPUT -m state --state NEW -m udp -p udp
--dport 137 -j ACCEPT
-A INPUT -m state --state NEW -m udp -p udp
--dport 138 -j ACCEPT
-A INPUT -m state --state NEW -m tcp -p tcp
--dport 139 -j ACCEPT
```

- 2. Restart the service for the changes to take effect by using the following command: systemctl restart iptables.
- If you are using firewalld:

Enter the following commands to add Samba access privileges: firewall-cmd -permanent -zone=public -add-service=samba.

b. For Debian, Ubuntu

If you are using ufw, the system has already added nf_ conntrack_netbios_ns to IPT_MODULES under /etc/ default/ufw by default, so access should already be allowed.

Enable write permissions for the destination folder

The "Write" permission should be enabled for "other(O)" in the folder you wish to back up to. You can use the following command: chmod -R 755 /home/acc/backup.

Modify the Samba configuration file

- 1. Open /etc/samba/smb.conf.
- 2. Set the security variable in Galbol Setting to "user".
- 3. Set the writable variable in Share Definitions to "yes".

- 2. Enter the folder path of a shared folder, and the administrator account and password of the shared folder device into the **Path**, **Account**, and **Password** fields.
 - The folder should be set as a shared folder and discoverable by the system you wish to back up, and should have read and write permissions enabled.
 - Take note of the syntax of the path. Ensure to use the correct syntax of your selected protocol from the previous step.

AS	SUS Control Center				15:08 🙂 🚱 🖬 🖬 Administrator 🛔
*	Options > Backup & Re	estore			
-## ♦	Backup				C Backup Now
Lat	Backup Protocol	Sam	ba/SMB		*
	Path	//10.1	10.75.90/W	orkSpace/	a/ACC Backup
	Account	Admi	nistrator		
0	Password				10
a	Backup Password		-		95
	Period	-	1	+ da	fays
2	Preserved Backup	-	5	+ 114	lea
	O Time Checked: 2019/03/20 15:00:12 Restore				
	Restore Password				Ø
	Upload Restoration File	1d			Drop Restoration File Here or Cick Uplant Restoration File
		_	_		Chipland Produzión File

3. Enter a backup password, this password is for when you use the **Restore** function.

AS	SUS Control Center				15:0	8 (3 I	9 (🚯 🔛 Administrator	2		
*	Options > Backup & Restore											
*	Backup											
Last	Backup Protocol	Sam	nba/SMB		×							
	Path	//10.1	10.75.90/\/	orkSp	ce/ACC_Backup					- II		
	Account	Adm	inistrator									
0	Password				4b							
	Backup Password				<i>4</i> 0							
94	Period	-	1	+	days					- 11		
2	Preserved Backup	-	5	+	files							
	@ Time Checked: 2013/03/20 15:00:12											
	Restore	-		-								
	There are a second s	_										
	Restore Password				Ð							
		12				Drop Restoration File Here or Click Upload Restoration File				1		
	Upload Restoration File				Culpicad Restoration File	-	-			i II		
										• II		

191

4. Select the **Period** and **Preserved Backup** numbers. **Period** determines the amount of days each periodic backup should be done. The **Preserved Backup** amount determines how many backup files should be saved, when the amount of files exceed the **Preserved Backup** number, the backup file with the earliest date will be deleted.

AS	SUS Control Center						15:08	٢	0	🧿 🔛 Administrator 🚔
*	Options > Backup & Restore	Э								
	Backup									Backup Now
Lat	Backup Protocol	nba/SMB		٠						
	Path	//10.	10.75.90/\\	orkSp	ace/AC	C_Backup				
	Account	Adm	inistrator							
•	Password					Øb				
	Backup Password					90				
94	Period	-	1	+	days]				
2	Preserved Backup	-	5	+	files					
	Restore	-		-	-			-		
	Restore Password					¢				
		17	3							Drop Restoration File Here
	Upload Restoration File					AUpload Restoration File				

5. Click on **Backup Now** once you have finished, to save the settings made and also prompt the first backup.

A	SUS Control Center				15:08 🙂 🔇 🕤 🔤 Administrator	2
*	Options > Backup & F	lestore				
*	Backup				🔁 Backup N	ow
Last	Backup Protocol	San	nba/SMB	,		
	Path	//10.	10.75.90/W	orkSpace/	ACC Backup	_
-	Account	Administrator				
•	Password				46	
	Backup Password	*****			40	
94	Period	-	1	+ da	da	
3	Preserved Backup	-	5	+ m	15	
	Restore					
	Restore Password				10	
	Upload Restoration File	1			Drop Restoration File Hen er Click Upland Restoration Fi	
		1			Cultiplicad Restanation File	
	L					_

The back	up process will run first time for now.	
Then the	backup schedule will fllow the configure.	
Path: //10	0.10.75.90/WorkSpace/ACC_Backup	
Period: 1		
Preserve	d Amount: 5	

Restoring the backup file

1. Enter the **Backup Password** previously set when setting the periodic backup into the **Restore Password** field.

A	SUS Control Center		15:16 🙂 🚱 🚯 📩 Administrator 🛔
*	Options > Backup & Restore		
*	Backup		🔁 Backap Now
Last	Backup Protocol	Samba/SMB •	
	Path	//10.10.75.90/WorkSpace/ACC_Backup	
	Account	Administrator	
	Password		
	Backup Password		
94	Period	- 1 + days	
3	Preserved Backup	- 5 + files	
	@ Time Checked: 2019/03/20 15:11:07		
	Restore		
	Restore Password	Ø	
	Upload Restoration File	ൾ	BackupFile@2019_03_22_33.zip (25.57 M8)
		Caliptoid I	Restoration File
	Restore Message		
			Start

 Drag a backup file you wish to restore into the Upload Restoration File field, or click on Upload Restoration File and select the backup file you wish to use to restore.

A	SUS Control Center		15:	:16 🙂 🚱 🚯 🔛 Administrator 🛔
#	Options > Backup & R	lestore		
.∔ 	Backup			😰 Backup Now
Last.	Backup Protocol	Samba/SMB *		
	Path	//10.10.75.90/WorkSpace/ACC_Backu		
	Account	Administrator		
0	Password			
	Backup Password	45		
94	Period	- 1 + days		
2	Preserved Backup	- 5 + files		
	⊘ Time Checked: 2019/03/20 15:11:07			
	Restore			
	Restore Password	······ Ø		
	Upload Restoration File	Ф		BackupFile@2019_03_22_33.zip (25.57 M8)
			Cuplead Restoration File	
	Restore Message			
				Start

3. Enter a **Restore Message** if you wish to add a message, then click on **Start** to begin the backup restoration.

A	SUS Control Center		15:16 🙂 🚱 🔂 🔀 Administrator 🛔
#	Options > Backup &	Restore	
*	Backup		🔁 Backup Now
Last	Backup Protocol	Samba/SMB *	
	Path	//10.10.75.90/WorkSpace/ACC_Ba	kup
	Account	Administrator	
0	Password		
a	Backup Password	05	
	Period	- 1 + days	
C	Preserved Backup	- 5 + files	
	@ Time Checked: 2019/03/20 15:11:07		
	Restore		
	Restore Password	······ Ø	
	Upload Restoration File	لم ا	BackupFile@2019_03_2.2_33.zip (% 57.0%)
			Cuplead Redenition File
	Restore Message		
			Start

The session will expire and you will be logged out of ACC when the restoration begins, please restart the browser and login again once the restoration is complete.

Backup & Restore	
The Restore process will start, the session will be close and logout. Please close the browser and reconnect again.	
	ок

8.6 Maintenance

The **Maintenance** function allows you view the information such as the CPU, memory, and storage of the ACC VM. It also allows you to configure the power options and services running on the ACC VM remotely from the ASUS Control Center. This helps you save time when managing hypervisors, as you can control and configure them all from the ASUS Control Center.

To access Maintenance, click on in the left menu, then click on Maintenance.

A	SUS Control (Center					14:40 🙂 🕻	0 🖬 🛔
	Options >	Maintenance						
	Main Server Utilizati	ion Status						
		1% 360 GHz / 4 Cores X 360 GHz CPU		6.77 GB including cache 600 74 Memory	88% MD/7.64 GB		Storage	18% 9 GD / 49 GD
	Power Action	Here you ca	in adjust the power	action for your ASUS Control Cente	r Server.			♦ Power Off
	Service List							
	▼ Name		Status		2019-03-19 14	Updat	e Time	Action
	Tomcat Elasticsearch	active			2019-03-19 14			0
	ActiveMQ	active			2019-03-11 18			0
		,						

Cofiguring the power option of Hypervisors

1. Click on Power Off or Reboot to power off or reboot the hypervisor.

	Maintenance				
Main Server Utilizati	ion Status				
	1% 360 GHz / 4 Cores X 3.60 GHz CPU	2016-000 2016-000 2016-000	88% 5 Including cache 600.74 MB / 7 64 GB Temory	Storag	18% 9 GB / 49 G
Power Action					
	Here you co	in adjust the power action for y	our ASUS Control Center Server.		© Power 0 € Reboo
Service List					
▼ Name		Status		Update Time	Activ
Tomcat Elasticsearch	active		2019-03-19 14 2019-03-11 18		4
	ACTING		2019-03-11 18	37.30	1

2. Enter the password of an account with a role that has Power Control enabled, then click on **Confirm** to execute your selected power option.



For more information on Accounts and Roles, please refer to **Chapter 7** Account Management.

aministrat	or's Password		
lease enter th	ne administrator's password to auth	nenticate your power action.	
iouco ontor a			

Restarting the Services

Click on the restart button next to the service you wish to restart.

A	SUS Control C	Center			14:40 🙂 🤪	0 🖬 🛔
ñ	Options > 🖌	Maintenance				
.∔. ♦	Main Server Utilizati	on Status				
		1% 360 GHz / 4 Corres X 360 GHz CPU	6.77 GB including cache 660.7	88%	Storage	18% 9 GB / 49 GB
8	Power Action	Here you ce	n adjust the power action for your ASUS Control Cente	r Server.		O Power Off C Reboot
	Service List					
	Vame Tomcat	active	Status	Updat 2019-03-19 14:36:53	te Time	Action
	Elasticsearch	active		2019-03-19 14:36:53		0
	ActiveMQ	active		2019-03-11 18:52:56		0

This will end your session and you will be logged out of ASUS Control Center. Please login again once the restoration is complete.



8.7 DBExpose Configuration

The **DBExpose Configuration** allows you to set an account and password which allows users to use third-party software, such as MySQL Workbench to access data on ASUS Control Center, such as device information or metadata. This information is read-only and cannot be edited.

To access **DBExpose Configuration**, click in the left menu, then click on **DBExpose Configuration**.

A	SUS Control Center		11:00 🙂	0 6	Administrator 晶
*	Options > DBExpose Config	uration			
-# -	DBExpose Configuration				
<u> </u> ▲ ▲		Set the DB Account or disable the function to expose the database configuration.			
\$ 3 0					

To set the DBExpose account and password

1. Click on the slide button on the top right of the main screen.

A	SUS Control Center		11:00	0	90	Administrator 🚢
*	Options > DBExpose Config	uration				
44 (\$	DBExpose Configuration					
ыі. ▲ ▲		Set the UB Account or disable the function to expose the database configuration.				
0 3	-					

2. Enter an account and password, then enter a port (between 7000-7999) which is not being used. Once you have finished entered the required fields, click on **Save**.

Please type ac	count/password	f you want to set as the expose account of the	database.
Account	Administrato	r	
Password			
Port	-	7000	+

To edit the DBExpose account information

Edit the account, password, and port information then click on **Update** to save the changes made.

A	SUS Control Center						11:08	3 9	0 🗖	Administrator å	1
*	Options > DBExpose Configu	ration									
 ⊗	DBExpose Configuration										I
<u>lad</u>		Set the DB Acc	ount o	r disable the function to ex	pose the data	base configuration.					
		Account		inistrator							
4 0		Password				Ð					
94		Port	-	7000	+						J
C										🖺 Update	
		DBExp	ose	e Configurati	on						
				5							
		The DE	Evr	oose account	hae hoo	in.					
		update			nas Dee						
]				
		update	1.								

To delete the DBExpose account information

Click on the slide button on the top right to disable and delete the DBExposure Configuration settings.

A	SUS Control Center					11:08 🙂 🚱 🕤 🔀 Administrator 🛔
# 	Options > DBExpose Configur	ration				
	DBExpose Configuration					
Last		Set the DB Ac	count o	r disable the function to expose th	e data	abase configuration.
		Account	Adm	ninistrator		
۵.		Password				Ø
0		Port	-	7000	+	
۵. 2						(5) Update

DBExpose Configuration

The DBExpose account has been removed.

Using a third-party software to access ASUS Control Center



The example in this section is for reference only.

You can use a third-party software such as **MySQL Workbench** to access information such as the metadata and device information of your ASUS Control Center.

- 1. Load MySQL Workbench, then set up a new connection and enter the required information.
- 2. Enter the ip and port of the ASUS Control Center server into the Hostname and Port field.
- 3. Next, enter the DBExposure account created into the Username field.
- 4. Click on **Store in Vault...** then enter the DBExposure password you created into the password field and click **OK**.

Connection Name	: ACC DBExpose	Type a name for the connection
onnection Method	Standard (TCP/IP)	Method to use to connect to the RDB
arameters SSL	Advanced	
Hostname	10.10.75.200 Port: 7000	Name or IP address of the server host - and TCP/IP port.
Username	Administrator	Name of the user to connect with.
Password	Store in Vault Clear	The user's password. Will be requested later if it's not set.
Default Schema		The schema to use as default schema. Leave blank to select it later.
Store Passv	Please enter password for the following service:	

4. Click on **Test Connection** to test if the connection to ASUS Control Center was successfully created.

Connection Name:	ACC DBExpose	Type a name for the connection	
onnection Method:	Standard (TCP/IP)	Method to use to connect to the RDBN	
arameters SSL	Advanced		
Hostname:	10.10.75.200	Port: 7000	Name or IP address of the server host - and TCP/IP port.
Username:	Administrator	Name of the user to connect with.	
•	sfully made the MySQ		not set.

5. Save the connection settings, now when using MySQL Workbench, you should be able to access some of the data on ASUS Control Center.

The screenshot below is an example of accessing the metadata of ASUS Control Center.

	h							- 0	×
ACC DBExpose	×								
le Edit View Qu		Server Tools	Scripting Help						
			s scriping Help						
	6 6 6	0 IQ 0						0	
lavigator		clientmetadata							
ANAGEMENT	2			🗿 國 🗌 limito	1000 mws -	🏡 🛷 🔍 🗊 🖃			
Server Status			SELECT * FROM asyment.cl:		100010113				
Client Connection	Df.	1	SELECT - FROM asymetry.cl.	ientmetadata;					
Users and Privileo									
Status and Syster									
	m variables								
📥 Data Export									
🍐 Data Import/Rest	ore								
ISTANCE									
Startup / Shutdo	wn								
A Server Logs									
& Options File									
ERFORMANCE									
ERFORMANCE									
Cashboard									
ERFORMANCE		¢							
CREFORMANCE Dashboard Performance Rep Performance Sche		Result Grid		Export:	Wrap Cell Co			_ 0	
ERFORMANCE	ema Setup	Result Grid		Department	Extension	Production date	Personal		
CHEMANCE CH	ema Setup	Result Grid ClientGUID 3ebe567b-0	0c28-49ea-89b5-02d88c24f0f5	Department SW	Extension 29631	Production date 2018-01-01	0		
ERFORMANCE Dashboard Performance Rep Performance Schu CHEMAS Filter objects Sayment	ema Setup	ClientGUID 3ebe567b-0 5ABC8D-4E-	0c28-49ea-89b5-02d88c24f0f5 5F31-11E9-87CD-82584ECE5DAC	Department SW SW	Extension 29631 29631	Production date 2018-01-01 2018-01-01	0		Result Grid
CHEMANCE CH	ema Setup 😢 🖉	Result Grid ClentGUID 3ebe567b-0 5ABC8D-4E- d65ab 108-8	0c28-49ea-89b5-02d88c24f0f5	Department SW	Extension 29631	Production date 2018-01-01	0		
CHEMANCE CHEMAS Ferformance Rep Performance Schu CHEMAS Fiter objects CHEMAS Status Tables	ema Setup 😢 🖉	Result Grid ClentGUID 3ebe567b-0 5ABC8D4E- d65ab 108-3 d8b71eef-4	0c28-49ea-89b5-02d88c24f0f5 9F31-11E9-87CD-82884ECESDAC 3c20-4527-94c3-8e140b2414cd	Department SW SW SW	Extension 29631 29631 29631	Production date 2018-01-01 2018-01-01 2018-01-01	0		Reut Grid
CHEMAS For objects For objec	ema Setup	Result Grid ClentGUID 3ebe567b-0 5ABC8D4E- d65ab 108-3 d8b71eef-4	0c28-49ea-89b5-02d88c24f0f5 \$F31-11E9-87CD-82584ECE5DAC 5c20-4527-94c3-8e140b2414cd 0af-4a56-80e7-337bf87a3e4e	Department SW SW SW SW	Extension 29631 29631 29631 29631	Production date 2018-01-01 2018-01-01 2018-01-01 2018-01-01 2018-01-01	0 0 0 0		Reut Grid
CERFORMANCE C Dashboard Performance Rep Performance Schi CHEMAS Fiter objects Samment Samment Samment Samment Clientinefo Column C	ema Setup	Result Grid ClentGUID 3ebe567b-0 5ABC8D4E- d65ab 108-3 d8b71eef-4	0c28-49ea-89b5-02d88c24f0f5 \$F31-11E9-87CD-82584ECE5DAC 5c20-4527-94c3-8e140b2414cd 0af-4a56-80e7-337bf87a3e4e	Department SW SW SW SW	Extension 29631 29631 29631 29631	Production date 2018-01-01 2018-01-01 2018-01-01 2018-01-01 2018-01-01	0 0 0 0		Form Editor
CHEMAS For objects For objec	ema Setup	Result Grid ClentGUID 3ebe567b-0 5ABC8D4E- d65ab 108-3 d8b71eef-4	0c28-49ea-89b5-02d88c24f0f5 \$F31-11E9-87CD-82584ECE5DAC 5c20-4527-94c3-8e140b2414cd 0af-4a56-80e7-337bf87a3e4e	Department SW SW SW SW	Extension 29631 29631 29631 29631	Production date 2018-01-01 2018-01-01 2018-01-01 2018-01-01 2018-01-01	0 0 0 0		Reut Grid

I

8.8 Sensor Threshold Configuration

The **Sensor Threshold Configuration** allows you to centrally configure the threshold values of all managed devices, providing you with an effortless method of setting threshold values of all managed devices, instead of having to configure each device's threshold values individually.

To access **Sensor Threshold Configuration**, click in the left menu, then click on **Sensor Threshold**.

Disk S.M.A.R.T. Status Configuration				
[05] Reallocated Sector Count	-	1	+	counts
[C5] Current Pending Sector Count	-	1	+	counts
[C6] Uncorrectable Sector Count	-	1	+	counts
[09] Power-On Hours	-	20000	+	hours

Adjusting the Disk S.M.A.R.T. status configurations

Adjust the disk S.M.A.R.T. status configurations, then click on Save to save the changes made and apply the changes made to all managed devices.

Disk S.M.A.R.I. Status Configuration	-	1	+	counts			
[C5] Current Pending Sector Count	-	1	+	counts			
[C6] Uncorrectable Sector Count	-	1	+	counts			
		20000		hours			
[0] Power-On Hours	-	20000	Ţ				
(9) Power-On Hours	-	2000					
(9) Power-On Hours	-	1000					

Chapter 9

This chapter describes the license settings.



9.1 License Information

The **License** page displays the license information of your ASUS Control Center, this includes your license key, activation date, expiry date and edition, and also allows you to upgrade from ASUS Control Center Classic or CSM edition to Enterprise edition. For more information on license keys, refer to <u>https://</u>asuscontrolcenter.asus.com.

To access License, click 🤦 in the left menu.

A	SUS Control Center		18:56 🙂 🚱 🖬 🐱 Administrator 🛔
*	a License		
# ♦	Devices		Number of Days Used
<u>lad</u>			
*	5		0
•	Devices	-	— Days — 100
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C			
	License Information		
	Product Edition	Enterprise	
	Product License Key	Import K	by
	Activation Date	2019-04-03	
	Expiry Date	2019-07-12	
	Company Name	ASUS Modily	

Importing a License key

If you are using ASUS Control Center (Classic) or the CSM edition, and have a license key to upgrade to Enterprise edition, you can follow the steps below to import your Enterprise edition license key.



A working Internet connection is required when verifying the upgrade License key.

1. Click on Import Key.

ASUS Control Center		18:22 😳 🚱 🔂 🔀 Administr	trator 着
A License			
License Information			
License Information			
Product Edition	Classic		
Product License Key	Import Key		
Activation Date	2019-03-04		
Company Name	ASUS Modily		

2. Enter your license key and click Add Key.



3. After entering the license key, you should be prompted with a message, then automatically logged out of ASUS Control Center. Please log into ASUS Control Center again.

4. Navigate to the License screen, you should see the details of your license displayed now.

AS	SUS Control Center		18:56 🙂 🚱 🛐 🔽 Administrator 🚢
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	Product Edition	Enterprise	
	Product License Key	Import	Kay
	Activation Date	2019-04-03	
	Expiry Date	2019-07-12	
	Company Name	ASUS Modity	

Chapter 10

This chapter describes the main server and agent update configurations.



10.1 Update

Update will allow you to update the Windows and Linux agents on managed devices, or update the ASUS Control Center main server, and also allow you to view the Agent Update Report for information on the update status.

To access **Update**, click C in the left menu.

A	SUS Control Center	16:20 (9 9	8 🗖	Administrator 晶
*	2 Update				
-# - ◆	Update				
<u>lait</u>					
*					
۰	Update Task				
a. 2	Tesk Report				
	Agent Update				

- Ø
- If the Search Bar is available for a function in this section, you can use the Search Bar to search and filter managed devices. For more information, please refer to **2.1.4 Search and Filter devices** section.
- If the Options function is available for a function in this section You can group managed devices according to metadata fields. For more information refer to **2.1.3 Options.**

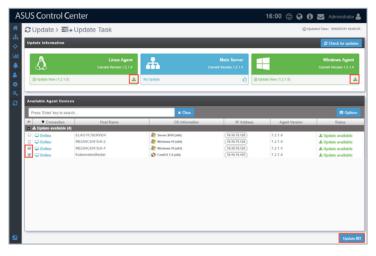
10.1.1 Update Task

The **Update Task** screen will display available updates for the Linux Agent, Windows Agent, and Main Server, you may manually refresh the updates screen by clicking on **Check for updates**.

- Ensure to add asuscontrolcenter.asus.com/* to your firewall exceptions list to enable update checks.
- Asus control center Current Version 2.2.2 C
- Ensure you have a stable Internet connection.

Updating Windows and Linux agents

- 1. When an update is available for Linux and/or Windows Agents it will be displayed under **Update Information**, and the **Linux Agent** and/or **Windows Agent** block will be displayed in green.
- 2. Click on in the Linux Agent and/or Windows Agent block to download the agent. Once the download is complete, the Linux Agent and/or Windows Agent block will be displayed in blue.
- 3. Select the device(s) you wish to update agents for in the **Available Agent Devices** list.
- 4. Click on Update.



5. Click **Update** on the confirmation pop-up window to start the update process.



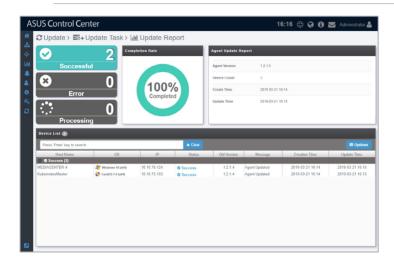
You do not need to uninstall the agents on the selected devices before updating.

Update Task 2 Devices	×
Please confirm you would like to update the followin • MEDIACENTER-4 • KubernetesMaster	ıg devices' agent:
	× Cancel

6. After the agent updates have been completed, you will be redirected to the Agent Update Report screen.



For more details on the Agent Update Report, refer to **10.1.2 Agent Update Report**.



Updating ASUS Control Center main server

 When an update is available for the main server, it will be displayed under Update Information and the Main Server block will be displayed in green. Click on Link in the Main Server block to download the update files.

Δ	Linux Agent Current Version: 1-2-1.4	÷.	Main Server Current Versien:1.2.1.4	-	Windows Age Current Version 1.2
No Update	٥	∄ Update Now (1 2 1 5)	📩 No Uj	state	
Available Agent Device	5				
T Q - Press 'Entr	r' key to search	* Clear			(m 0)
Connection	Host Name	US Information	IP Address	Agent Version	Status
- Online	ELASTICSERVER	2016 (x64)	(10.10.75.125)	1214	C Latest Version
Online	MEDIACENTER-2	2 Windows 10 (x64)	(10.10.75.122)	1.2.1.4	C Latest Version
C Online	MEDIACENTER-4	Nindows 10 (x64)	(10.10.75.124)	1.2.1.4	C Latest Version
🖵 Online	KubernetesMaster	🚰 CentOS 7 (x64)	(10.10.75.103)	1.2.1.4	C Latest Version

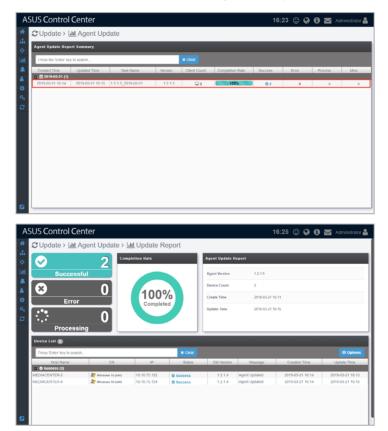
 Once the update files are successfully downloaded, the Main Server block should be displayed in orange. Now click on ot update the ASUS Control Center main server. You will also be logged out of ASUS Control Center when the main server is updating.

Log out and update (V1215)			
	•	No Update	
Clear			
me OS Informat	tion IP Address	Agent Version	Status
A come and left	(40.40.75.135)	1214	O Latest Versio
			Clatest Versio
Windows 10 (x64)	(10.10.75.124)	1214	C Latest Versio
CentO S 7 (x64)	(10.10.75.103)	1.2.1.4	O Latest Versio
	🎥 Servec 2016 (x164) 🔐 Windows 10 (x64) 💦 Windows 10 (x64)	1e US information IP Address Server 2946 (s64) (10.10.74.128) Windows 10 D44) (10.10.75.128) Windows 10 (s64) (10.10.75.128)	명 (US Information IP-Address Agent Version) 중 Serve 2018 (Add) (16.19.74,195) 1.2.1.4 중 Mindews 10.16년 (低低万元3) 1.2.1.4 중 Mindews 10.16년 (低低万元3) 1.2.1.4

3. Log into ASUS Control Center again after the update is completed.

10.1.2 Agent Update Report

The Agent Update Report will display information of each time you update the deployed Windows and Linux agents. Each item showed on the **Agent Update Report** represents a single batch of agent updates; clicking on each item will allow you to view information on the devices whose agents were updated in that batch.



Appendix

This appendix includes additional information on system requirements and contact information.

Appendix

System Requirements

Hardware Host Server Requirements

Virtual machine hypervisors		Oracle VirtualBox 5.1.x VMware ESXi 5.x	
	vCPU (Cores)	12 cores	
Virtual machine resources (3000 clients capability)	Memory (GB)	128 GB memory	
	Disk (GB)	500 GB disk space	
	Hypervisor recommended	VMware	
	vCPU (Cores)	12 cores	
Virtual machine resources (1000 clients capability)	Memory (GB)	64 GB memory	
	Disk (GB)	200 GB disk space	
	Hypervisor recommended	VMware	
	vCPU (Cores)	8 cores	
Virtual machine resources (500 clients capability)	Memory (GB)	32 GB memory	
	Disk (GB)	200 GB disk space	
	Hypervisor recommended	Virtual Box, VMware	
Virtual machine resources	vCPU (Cores)	4 cores	
	Memory (GB)	16 GB memory	
(200 clients capability)	Disk (GB)	100 GB disk space	
	Hypervisor recommended	Virtual Box, VMware	
	vCPU (Cores)	2 cores	
Minimum VM requirement (50 clients capability)	Memory (GB)	8 GB memory	
· · · · · · · · · · · · · · · · · · ·	Disk (GB)	100 GB disk space	
		HTTP / HTTPS	
Networking		SMTP	
		SNMP	
		Connection among devices	
		Browsers with HTML5 support	
		Google Chrome	
Supported Internet browsers		Firefox	
		Apple Safari	
		ASUS ZenUI browser	



We do not recommend using Virtual Box as a hypervisor for client capabilites above 500 clients.

Managed Clients Requirements

	Windows Server 2008
Supported client OS	Windows Server 2008 R2
	Windows Server 2012
	Windows Server 2012 R2
	Windows Server 2016
	Windows 7
	Windows 8.1
	Windows 10
	Windows Embedded 7
	RedHat 6.4~7.4
	CenOS 6.4~7.4
	Scientific Linux 6.4~7.4
	<u>Windows</u>
	.NET Framework 3.5
Requirement on Client Systems	Linux
	sysstat, smartmontools, wireless-tools, ethtool, ipmitool, Open IPMI driver, ASMB

ASUS contact information

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Fax	
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Online Support

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