

ASWM Enterprise

System Web-based Management

User Manual

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About this guide

Audience

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

Contents

This guide contains the following parts:

Chapter 1: Getting Started

This chapter introduces the ASWM Enterpirse, and tells how to install and uninstall it under Windows platform.

Chapter 2: Deployment Management

This chapter describes how to deploy ASWM Enterprise agents and remove agents through AD or manually.

Chapter 3: Main Server Functions

This chapter describes the Main Server Functions, including Monitor, Account Management, Deployment Management, Remote Control, and Server Configuration.

Chapter 4: Client Monitor Information

This chapter describes system status and information of the client.

Appendix: Reference information

This appendix includes a glossary of terms used in this document.

Conventions

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



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.



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



NOTE: Tips and information to aid in completing a task.

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 introduces the ASWM Enterprise, and tells how to install and uninstall it under Windows platform.

> Started Getting

1.1 Introduction to ASWM Enterprise

Welcome! Thank for buying our server products bundled with ASWM Enterprise System Web-based Management software. The ASWM Enterprise is a proprietary server management solution that gives a vital distinction to our servers.

In server management, system stability is a major factor, with efficiency, costeffectiveness, and convenience following close behind. To comply with this, we have created a reliable and user-friendly ASWM Enterprise monitoring tool. The ASWM Enterprise is a web-based interface that allows system administrators to conveniently manage computers either locally (from the same server), or remotely (using a web-browser).

With its colorful, graphical, and informative interface, the ASWM Enterprise makes server management a delightful experience!

1.1.1 How ASWM Enterprise works

The ASWM Enterprise is composed of an "agent" that generally acts as a data collector, and a set of HTTP 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 ASWM Enterprise, 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 (in RPM), working voltages, motherboard and CPU temperatures, and the backplane (if present).

In addition, the agent also monitors hard disk drives health status through the SMART (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 ASWM Enterprise 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, ASWM Enterprise acts as an active guardian of the system's key components.

1.1.2 Supported OS platforms

The ASWM Enterprise agent supports the following operating systems, You can choose the appropriate package depending on the primary OS installation of your server.

Main Server Support Operating System

Windows® Server 2003 32/64 bit Windows® Server 2008 32/64 bit, Windows® Server 2008 R2 64-bit Windows® Server 2012 64bit **Agent Support Operating System** Windows® Server 2003 32/64 bit Windows® Server 2008 R2 64-bit Windows® Server 2012 64bit Windows® 8° 32/64bit RHEL 6.2 32/64bit RHEL 6.3 32/64bit. The ASWM Enterprise web pages are fully compatible with W3C HTML 4.0/DOM standard. The web browsers with Microsoft Silverlight support can work with ASWM Enterprise:

OS	Internet Explorer 10	Internet Explorer 9	Internet Explorer 8	Internet Explorer 7	Internet Explorer 6	Firefox 3.6+	Safari 4+	Chrome 12+
Windows® 8 Desktop	√*	-	-	-		V		V
Windows® Server 2012	√*	-	-	-		V		V
Windows® 7	-	V	\checkmark	-	-	V	-	\checkmark
Windows® 7 SP1	-	√*	V	-	-	V	-	V
Windows® Server 2008 SP2			-	V	-	V	-	V
Windows® Server 2008 R2 SP1		√*	√*	-	-	V		V
Windows ® Vista [™]		V	V		-	V	-	V
Windows® Server 2003, Windows® XP SP2, SP3		-	V	V	-	V		V
Macintosh OS 10.5.7+ (Intel- based)		-	-	-	-	V	V	-

* Supports 64-bit mode.

Minimal Requirements

Components	Requirements
Windows®	x86 or x64 (64-bit mode support for IE only) 1.6-gigaherts (GHz) or higher processor with 512-MB of RAM

1.2 ASWM Enterprise installation

You can install ASWM Enterprise in Windows platform. Proceed to the succeeding sections for the instructions that are applicable to your operating system.

1.2.1 ASWM Enterprise main server requirement

System Requirement

- Microsoft SQL Server 2005 or above (Including Express version) SQL Server 2005 ~ SQL Server 2008 r2 sp2
- Web Server IIS 6 or above
- .NET Framework 3.5 SP1
- · .NET Framework 4.0 (Full)
- Active Directory (Deployment by Active Directory)
- * Time zone setting must be the same

For Windows Server 2008 or above

Ensure to add the following Features / Roles

- Features: .NET Framework 3.5.1
- Roles: Web Server (IIS)
- Role Services under WebServer(IIS):
 - (A) Common Http Features (and all sub-items) have to be selected.
 - (B) IIS 6 Management Compatibility (and all sub-items) have to be selected.
 - (C) Application Development
 - ASP.NET
 - .NET Extensibility
 - ISAPI Extensions
 - ISAPI Filters

For Windows Server 2012

Ensure to select the following Features

- Features:
 - .NET Framework 3.5 Features
 - .NET Framework 3.5 (include .NET 2.0 and 3.0)
 - HTTP Activation
 - .NET Framework 4.5 Features
 - .NET Framework 4.5
 - ASP .NET 4.5
 - WCF Services
 - HTTP Activation

1.2.2 Installing ASWM Enterprise



Any user with administrator privileges on the local system can install ASWM Enterprise.

To install ASWM Enterprise in Windows:

 Insert the support DVD into the optical drive and click ASWM Enterprise V1.3.7.



Ensure that your system meets the requirements metioned in the previous page.

2. The ASWM Enterprise Setup program wizard appears. Click **Next** to continue.



ASWM Enterprise			
ASWM Enterpris	56		Version 1.3.3
The installer will guide you through the	steps sequired to insta	I ASWM Enterprise of	n your computer.
WARNING: This computer program is Unsufficieted duplication or distribution or criminal penalties, and will be prosec	protected by copyright of this program, or any uted to the maximum e	law and international portion of it, may ter witent possible under	I treaties. uit in severe civil the law.
	Cancel	c Badk	Nest >

3. Click Next to start installation.



4. The system is installing ASWM Enterprise.

ASWM Enterp	rise	Vez	
ASWM Enterprise is being installe	ed.		
Please wat			

5. The system is checking the installation requirements. Click **Next** to continue.



 Select an Authentication type and click Connection Test to proceed.

Please input the inform	ution for creating ASIVM Enterprise DB
QL Server	
SQL Instance :	SQLEXPRESS
Authentication :	Windows Authentication
SQL Server Administrator ID	Г
Password :	

7. After passing the Connection Test, click **OK** and **Next** to continue.

Please input t	he information for creating	p ASIVM Enterprise	DB
Test	Result	2	9
SQL Instance :	SQL Connection tes	ited [Pass]	
Authentication :			-
SQL Server Adm		OK	
Password :	1		
			erentine Text

8. When the installation completes, click **Close** to exit the wizard.



1.3 Uninstalling ASWM Enterprise

1.3.1 Uninstalling from Windows

To uninstall ASWM Enterprise from a Windows platform:

1. Click Start > All Programs > ASWM Enterprise > Uninstall.



2. The system automatically uninstalls ASWM Enterprise.



1.4 Login ASWM Enterprise

To login ASWM Enterprise:

 Double-click the ASWM Enterprise shortcut on the desktop when you login from the local server. If you login from the remote server, enter the ASWM Enterprise website (http://HostName(IP)/ aswment) through the web browser.



2. Click Enter.



3. Enter your Name and Password. Click Login to enter ASWM Enterprise.



- The default login name: Administrator, password: aswm. Note that the login name and password are case sensitive. Refer to Account Management if you would like to change the password.
- In additional to Administrator, You can also login as a User. Note that users have only limited privileges. Login name: User; password: user.

Limitation when logining as a User

- Only limited functions, including **Monitor** and **Account Management** are available.
- HW Sensor is read-only. You cannot customize the threshold.
- You cannot delete the EventLog, but you are allowed to use the **Advanced Search** function.
- Utilization is read-only. You cannot customize the threshold.
- You can check the information of the installed software, but Service of starting, restarting or stopping the selected service is unavailable. Ending process is also unavailable.
- **Remote Control** is dimmed and unavailable.
- · Deleting SEL information on BMC is not allowed.
- BIOS Flash is read-only. You cannot flash the BIOS.
- Configuration in Monitor is unavailable.

1.5 The main page

The main control panel of the ASWM Enterprise user interface is displayed as shown.

	l Ente	rprise				-	Version 1
Monitor 2	Overvie	w				6 Ser	ver/MB
	Group List		_4				Auto Refrest
Account	Group Name		Client Counts	Connec	tion	Health	Utilization
Management	ASUS@EUR		1	11.	1	1	
Deployment	ASUS@TPE		4		4	4	1
Management	Thin-Clients Group		2		2	2	2
Centralized Management				0.55		-	-
Report Management	Models in th	e ASUS@TPE Group	6				
Comment	Connection	Model Name	Alias Name	OS	BMC WebGUI	Health	Utilization
Server	▲ OnLine (4 個項目)					
Configuration	Conline	TS700-E7-R	58 CLIENT-A	赶 Windows	YES	0 16	0 22
	Conline 🔜	Z9PE-D16 S	aries LinuxServer-002	👌 Linux	MO	0 15	0 25
	Conline 🔜	P9D-E Series	SYS-SERVER02	赶 Windows	NO 🔝	0 12	0 16
_	🔜 Online	P9D-C Series	wIN-07G61T0Q45E	🥂 Windows	NO 📷	16	01
Administrator Admin LogOut							
Administrator Admin LogOut	en view	: Click this ban <esc> to returr text in the full s</esc>	ner to switch t n to the norma creen view.	o the full s	screen vie view. You	ew and I canno	press t input
Administrator Admin Full scre Function	en view buttons	: Click this ban <esc> to returr text in the full s : The overall fu monitoring, ac centralized ma later chapters</esc>	ner to switch to to the norma creen view. nctions of ASV ccount manage anagement, au for details.	o the full s I window WM Enter ement, de nd server	screen vie view. You prise, ink ploymen configura	ew and I canno cuding I t mana ation. R	press t input health gemer lefer to
Administrator Admin Full scre Function	en view buttons formation	: Click this ban <esc> to returr text in the full s : The overall fu monitoring, ac centralized m later chapters : This area disp different level to exit ASWM</esc>	ner to switch to to the norma creen view. nctions of ASV ccount manage anagement, au for details. blays the login of controlling a Enterprise.	o the full s I window v WM Enter ement, de nd server ID. Differ ASWM Er	screen vie view. You prise, ink ploymen configura ent login nterprise.	ew and i canno t mana ation. R users r Click L	press t input health gemer lefer to have .ogOu

Group List	: The Group List shows the existing groups. It is more
	convenient for administrator to manage a large number of
	computers through groups.

6	Models in the group	: This area shows the computers and their general information in your selected group above.
6	Switch Monitor	: This area allows you to switch the monitor view between

Switch Monitor	: This area allows you to switch the monitor view between
View	"Server/MB" and "Storage".

Chapter 2

This chapter describes how to deploy ASWM Enterprise agents and remove agents through AD or manually.

2.1 Deploying new ASWM Enterprise agent

Install new ASWM Enterpise agents on computer and add them the ASWM Enterprise server for convenient management, monitor and control.

ASWM Enterprise client agent system requirement

- .NET Framework 3.5
- Requires ASUS Management IPMI Driver for all models with BMC device on Windows $^{\rm @}$ 7 32/64bit
- Firewall Setting

Allow "Windows® Management Instrumentation (WMI)"

Allow "File And Printer Share"

Allow "ICMP Packet Response"

Add Outbound Rules "UDP Port" ranging from 50000 \sim 50100 if "Power control" is carried out through remote BMC

2.1.1 Automatically scanning the active directory

To deploy new agents

1. Click Deployment Management on the left.



2. Click Deploy New ASWM Enterprise Agent.



3. The wizard will guide you through the deployment process. Click **Start** to continue.



4. Select **Automatically Scan the Active Directory** and click **Next** to continue. The system will automatically scan the directory for agents.



5. Select a **Domain** and click **Scan** to start scanning.





Click **Enable Group** and select a desired group to downsize the scanning range. Doing so shortens the time for agent deployment.





6. Enter the Name and Passowrd to login as the AD Administrator.

7. The system starts scanning.



 Click wanted computers to deploy agents and click Start. The computer must be listed as Support in the SupportStatus field. Click the computer that shows Not Support, the reasons will be shown below.

If your wanted computers are listed as **Not Support**. Double check the followings:

- · If it is a supported model. Refer to the beginning of the section for details.
- · If it has installed .NET 3.5
- · If it has installed ASWM Enterprise Agent
- If old ASWM version existed

a 🕝 💿 📶 💷	10 = d × o	Deployment Managema				* 0
ASWM	Enterp	rise				Version 1.3.
Monitor	Welcome	Mode	Select	Deploy		
Account Management	Domain: test	com able Group			-	0
Deployment Management	AD Group:		IF Address	WHIErable	*	Scan
Centralized Management	Support (1 (1888)		10.10.43.90	ON ON	Support	
Report Management	2003R2x64		10.10.43.86	ON 🚫	Not Support	1.0.1.21
Server Configuration	Kinki-PC The status unknow is ft -The Windows manager -Please make sure the is -Please turn on the With	r the following reasons : sent instrumentation (WP 5 and password are corre related ports in the fires	10.10.43.72 (1) connection test fail. et. wall.	() orr	O Unknawn	
	Select all "Support" o	omputers				
	Add to ASIM Group	ASUSTeK	@Taipel		• Cano	el Start



- Click Select all "Support" computers if you want to deploy agents on all Support Computers.
- Click Add to ASWM Group if you would like to catergorize the selected computers to different groups.
- The SupportStatus shows Unknown when WMIEnable shows OFF.

9. The deployment starts.



2.1.2 Manually deploying the ASWM Enterpise agents

To deploy new agents

- 1. Click Deployment Management on the left.
- 2. Click Deploy New ASWM Enterprise Agent.

A Handel Page - Windows Int	lernet Explorer		三 (1) (1)
🗿 🖓 🖉 http://koahost	semerchan.apct/Mar2H	💌 🖂 🚧 🗶 🔽 🗤 g	P *
A Favorites 🙀 🖉 Suggeste	i the • 😰 the the takes •		
MarCH Page		R + □ + 0 = + 0	kçe + Safety + Tools + 😧 +
ASWN	l Enterprise		Version 1.3.7
Monitor	Deployment Mana	agement	
Account Management			_
Deployment Management			
Centralized Management		Deploy New ASWM Enterprise Agent	
Areport Management	. 🗃 🛯		
Server Configuration	🦷	Remove ASWM Enterprise Agent	
X Administrative			
a Dava		Co Cacal Instances Protected Mode: Off	1A + 1 200% + _
[] Start 📇 🛃	😭 😥 HaieOff Page - WL		* [D 10 0 4367M

3. The wizard will guide you through the deployment process. Click **Start** to continue.



4. Select Manual Deploy the ASWM Enterprise Agent and click Next to continue.



5. Click **Add Target PC**. You can add the target PC through IP Address or Host Name. Fill in the required fileds and click **Scan**.

ASWM	l Enterprise	Version 1.3.
Monitor Account Management Deployment Centralized Management Report Report Server Configuration	Welcome Mode Select Deploy	Scan
Administrator Admin LogOut	Add to ASWM Group ASUS@EUR Cance	Start

You can also click the Import button to import a deploy table manually.

6. Follow the instructions in the previous section to install the agent when the scanning result is shown.

2.1.3 Discover Clients with preload service (ThinClient mode)

The ThinClient mode allows you to search for Thin Clients (eg.TC-710) in the same network for multiple client deployment via the ASWM Enterprise.



Ensure that the ThinClient has boot up and connected to the same network with the Main Server.

1. Select **Discover Clients with preload service (ThinClient mode)** and click **Next** to search for the ThinClient in the network.

🔆 🖓 👩 http://10.10.43	LSQ/assers ρ = 2 C × J Deployment Management ×	n + 0
ASWN	l Enterprise	Version 1.3.7
Monitor	Welcome Mode Select Deploy	
Account Management	Select Agent Deploy Mode	
Deployment Management	Automatically Scan the Active Directory	
Centralized Management	Manual Deploy the ASWM Enterprise Agent	
Seport Management		
Server Configuration	Discover Clients with preload service (ThinClient mode)	
🔶 Administrator		
Admin LarOd		revious Next

2. The clients are classified into **Support** and **Not Support** in **SupportStatus** field.

Monitor	Welcome	Mode Sele	t Depl	ογ	
Account				1	Discover
Management	Install Hist Name	IP Address	05	SupportStatus	Agent Evist
Deployment	ErwinTC710-PC	10.10.43.126	Windows	Support	
management	NotSupport (1 (1978)	10.10.41-85	Windows	Satibour	
Centralized Management	KinkiWes7-PC	10.10.43.115	X Windows	O Not Support	0 1.2.1
Report Management					
Server Configuration					

Support: The ThinClient supports ASUS ASWM Enterprise agent.

Not Support: The ThinClient has probably already installed ASUS ASWM Enterprise agent. Please remove it and re-install the agent.

3. Click **Discovery** to search again.



Set the firewall in the Main Server properly since the Discovery function will send broadcast packet through the Main Server.

4. Under the **Install** column, select the Thin Client, and click **Start** to install the agent.



5. Wait until the installation process is completed.



2.1.4 Manually Install the ASWM Enterprise Linux Agent

OS Support and Requirements

- OS Support:
 - RHEL 6.3 32/64 bit

RHEL 6.2 32/64 bit

System requirements

- Requires "sysstat", "smartmontools", "Ishw", "wireless tools", "ethtool", "impitool" software
- Requires BMC



Ensure that your system environment meets the above requriements and the client is connected to the main server before installing ASWM Enterprise Linux Client Agent

To install the ASWM Enterprise Linux Agent manually:

- Use the root account to login Linux;
- Unzip the file, tar -zxvf ASWMLinuxAgent-XXX.tar.gz
- Type ./install.sh
- Choose the directory that you want to install or use the default directory /root/ ASWMLinuxAgent
- Input the IP address of your main server
- Wait for 1 2 minutes for the installation to finish.

2.2 Removing ASWM Enterprise agent

You are allowed to remove the ASWM Enterprise agents from the main server or in Active Directory.

2.2.1 Scanning the self ASWM main server

To remove the existing agents

1. Click Deployment Management on the left.

Correction of the section of th		9 H × 1	0.00	Page + Safe	rty = Tasks = Version 1.
Asware a participation of an inclusive Asware Asware Contemposities Monitor Overview		ş.		Page + Safe	tty = Tasks = Version 1.
ASWM Enterprise		9.		Page + Safe	ttr • Task • Version 1.
ASWM Enterprise					Version 1.
Monitor Overview					
Account Group List				Ξ.	Auto Refresh
Management Group harte	Client Counts	Connect	101	Health	Utilization
DefaultGroup	2	100	2	2	2
Deployment					
Management					
Centralized					
Anagement Management					
Report Models in the DefaultGroup Group					
Management Hole Name	Alias Name	05	BHC WebGull	Health.	Unication
Server + Osure (2 terns)					
Configuration	58 W2N-AV6EU7KBDL	Nindows	NO NO	0 22	0 13
Online 857020-86-9	58 esus-2003	A Windows	YES	0 21	0 12

2. Click Remove ASWM Enterprise Agent.



3. The wizard will guide you through the uninstallation process. Click **Start** to continue.



4. Click Scan the self ASWM Enterprise Main Server and click Next to continue. The system will scan the main server.



5. Select the desired computers for agent uninstallation and click Start.





You can easily select all computers, all offline computers or all online computers with the checkboxes on the bottom.

6. The server automatically removes the agents on the selected computers. When done, it shows **Success**. Click **Finish** to finish the process.



2.2.2 Automatically scanning the Active Directory

To remove the existing agents

- 1. Repeat the step 1-3 in the previous section.
- 2. Click Automatically Scan the Active Directory and click Next to continue. The system will scan the Active Directory.



3. All the computers in Active Directory are shown here, grouped by Support Status.

	104 - B	1 X I Mar	Tallina Diel Zala	-			+ 0
ASWM	Ente	Irpri	56				Version 1.3.
Monitor	Welcon	1e /	1ode S	elect R	emove		
Account Management	Doma	in: test.com	Group			- 1	
Deployment Management	AD Grou	ip:					Scan
Centralized Management	Uninstall M Support (2.6)	tainServentiame 00382x64	Computer Name ASWHENTDEV	37 Address 10.10.43.90	WHIZPrable	SupportStatue	AgentVersion
Areport Management	Unitation (10	00342864	200382X64 29-20038264	10.10.43,56	ON OFF	Support	1.0.3
Server Configuration	0		15700-2K8X84 28PE-2008H2X64		OFF OFF	Unknown Unknown	
			W3%2K3X86 TS700-2008%2		OLA OLA	Unknown	
	ų į		15700-5YSTEM		Ott Ott	Unknown	
	_ Select all *	Support" campa	ders			Can	cel Start

4. Select the desired computers for agent uninstallation and click Start.

ASWM	Ent	Er	pri	5E				version
Monitor	Welco	me	>	lode > S	elect R	emove		
Account	Dor	nainc	test.com				. (0
Management			Enable	Group			_	
Deployment	AD G	oup:					-	Scan
	Universital	Hard	eventane	Computer Name	IP Addrese	WMCEnable	SupportStatus	AgentVersion
Centralized	- Support D			1		0	0	
Management	10	20034	2384	ASWMENTDEY	10.10.43.90	OW	Support	10.3
Report	Contraction of	C10 655	2304	200342494	10.10.43.55	O ON	Support	1.0.3
Management	1.0			28-20038264		OFF	O Unknown	
Server	1.0			TS700-2KEK64		OFF OFF	Unknown	
Configuration	10			Z8PE-200882X64		OFF OFF	O Unknown	
	- Gi			W042x3x86		OFF OFF	Unknown	
	0			T\$700-200882		OFF OFF	O Unknown	
	1.0			TS700-2KBR2		OFF OFF	O Unknown	
	D D			T\$700-5157EM		OFF OFF	O Unknown	
	1	1.				(B. eres	0	

5. The server automatically removes the agents on the selected computers. When done, it shows **Success**. Click **Finish** to finish the process.




Chapter 3

This chapter describes the Main Server Functions, including Monitor, Account Management, Deployment Management, Centralized Management, and Server Configuration.

Server Functions Main

3.1 Monitor

The overview screen gives you a quick overall status check for all the computers. You are also allowed to shut down, restart or start the selected computers.

To see the monitor overview

1. Click Monitor on the left.

Account Management Group List Deployment Management Server Contrailzed Management 1 Report Management Thir Cleas Group 2 Server Configuration Models in the ASUS@TPE Group 5 Server Configuration Models in the ASUS@TPE Group 5 Server Configuration Nodel Name Alas Name 05 BHC Web0L Hatz Online 15700 67-858 ClaitT-A Windows YES 0 0	Server/MB	S					Overview	Monitor
Account Management Deployment Management Management Management Management Management Management Management Centralized Management Server Configuration Server Configuration Server Configuration Management Server Configuration Server Conf	Auto Refres						Group List	
Management Acusence 1 Deployment Acusence 5 Management Thm Cleast Group 2 Centralized Management Management Server Configuration Model same Acusence TSTO E7ASS Cunnet TSTO E7ASS Cunnet TSTO E7ASS Cunnet TSTO E7ASS Cunnet TSTO E7ASS	th Utilizatio	Health	tion	Connec	ent Counts	Clie	Group Name	Account
Deployment Management Axx80176 5 1 Centralized Management Thin Cleats Group 2 2 2 Management Contralized Management Contralized Management 5 1 Server Configuration Models in the ASUS@TPE Group 5 5 1 Configuration Model Name Alas Name 05 BMC Webult Mate Configuration Toto E7-858 CLBNT-A Windows YES	1 🚺 1	1	1	10 ¹⁰		1	ASUSGEUR	management
Management Ther-Gards Doug 2 2 2 2 2 Centralized Management Report Models in the ASUS@TPE Group 2 </td <td>4 1</td> <td>4</td> <td>1</td> <td>1</td> <td></td> <td>5</td> <td>ASUSIØTPE</td> <td>Deployment</td>	4 1	4	1	1		5	ASUSIØTPE	Deployment
Centralized Management Models in the ASUS@TPE Group Server Configuration Gune 27570e57-A58 Lister-A Windows YE5 Online T5770e57-A58 Lister-A Windows YE5 Online T5770e57-A58 Lister-A Unixx Ye5 Lister-A U	2 22	2	2	1		2	Thin-Clients Group	Management
Connection Model Name Alas Name OS BMC WebOUT Head Configuration 0 online TST00-E7-R83 CLENT-A Windows YES 0 Configuration 0 online TST00-E7-R83 CLENT-A Windows YES 0 Configuration 0 online TST00-E7-R83 CLENT-A Windows YES 0		_				JS@TPE Group	Models in the ASU	Management Report Management
Server configuration due to the Category of th	th Utilizatio	Health	BMC WebGUI	os	Alias Name	Model Name	Connection	0
Configuration Solution TS700-E7-RS8 CLIENT-A Windows YES O							』 OnLine (4 個現間)	Server
🔜 Online Z9PE-D16 Series LinuxServer-002 🔬 Linux 📓 NO 🌖	16 🥥 22	0 16	YES	🎥 Windows	CLIENT-A	TS700+E7-RS8	Coline Online	Configuration
	15 🛛 1	0 15	NO IN	∆ Linux	LinuxServer-002	Z9PE-D16 Series	Coline	
Doline P9D-C Series WIN-07G61T0Q45E 🎥 Windows 📰 NO 🌑	16 0 15	0 16	NO NO	Windows	WIN-07G61T0Q45E	P9D-C Series	Online	
Online Z9PA-UB Series WIN-PM1K36VRLSC 🎥 Windows 📰 NO 🌖	17 0 9	0 17	NO NO	Windows	WIN-PM1KJ6VRL5C	Z9PA-U8 Series	Online	
▲ OffLine (1 個項目)							▲ OffLine (1 個項目)	

 Select a desired group from the Group List. The group clearly shows the information of Client Counts, Connection, Health, and Utilization status. (Red: Critical; Yellow: Warning; Green: Normal)

A	SWM	Enterpr	ise					Version 1.3.
-	Monitor	Overview					Se	rver/MB ×
-	Account	Group List					Z	Auto Refresh
\bigcirc	Management	Group Name	0	ent Counts	Connec	tion	Health	Utilization
		ABUSBEUR	1			1	1	1
10	Deployment	ASUS@TPE	5		100	1	4	1
	Management	Thin-Cliente Group	2			2	2	-
~ &	Management Report Management	Models in the ASUS	6@TPE Group					
	Comuna	Connection	Model Name	Alias Name	os	BMC WebGUI	Health	Utilization
Π.	Canflaurahlan	∡ OnLine (4 但現間)						
	Configuration	Conline Online	TS700+E7+RS8	CLIENT-A	🎊 Windows	YES	0 16	0 22
		Online	Z9PE-D16 Series	LinuxServer-002	👌 Linux	NO 🔚	0 15	01
		Online	P9D-C Series	WIN-07G61T0Q458	A Windows	NO NO	0 16	0 15
		Online	Z9PA-U8 Series	WIN-PM1KJ6VRL5C	Windows	NO NO	0 17	09
		▲ OffLine (1 個項目)						
0	Administrator	Contract Offline	P9D-E Series	SYS-SERVER02	Mindows	NO NO		
*:	Admin							

 In the Models In the XXX Group, the general monitoring information of all computer in this group is displayed as shown, including Connection status, Model Name, Alias Name, Operating system, BMC WebGUI status, Health status.

ASWM	Enterpr	ise					Version
Monitor	Overview					Se	ver/MB
Account	Group List					Z.	Auto Refres
Management	Group Name	Clie	ent Counts	Conner	ction	Health	Utilizatio
Indiagement	ASUSGEUR	1			1	1	1
Deployment	ASUS@TPE	5		-	1	4	1
Management	Thin-Clients Group	2		11. A	2	2	2
Management	Models in the ASUS	@TPE Group Model Name	Alias Name	os	BMC WebGUI	Health	Utilizatio
Configuration	▲ OnLine (4 個項目)		1				
Configuration	Coline Online	TS700+E7-RS8	CLIENT-A	Nindows	YES	0 16	0 22
	Online	Z9PE-D16 Series	LinuxServer-002	👌 Linux	NO 🔚	0 15	01
	Online	P9D-C Series	WIN-07G61T0Q458	🎥 Windows	NO 📓	0 16	0 15
	Online	P9D-C Series Z9PA-U8 Series	WIN-07G61T0Q45E WIN-PM1K36VRL5C	Windows 🐉 Windows	NO NO	1617	159
	Online Online Online Online Online	P9D-C Series Z9PA-UB Series P9D-E Series	WIN-07G61T0Q45E WIN-PM1k36VRL5Q SYS-SERVER02	Windows	NO NO	1617	159



- The crossed-out BMC card means that the BMC is not installed in that computer.
- If the status of BMC WebGUI shows NO, the WebGUI is inaccessible.
- When you click BMC WebGUI, a pop-up window appears. Ensure that your web browser does not block the pop-up window.

To shut down or restart the computer

1. Right-click the desired computer.

ASWM	l Enterpri	se					Version 1.
Monitor	Overview					2	erver/MB
Account	Group List					V	Auto Refresh
Management	Group Name	Ci	ent Counts	Connec	tion	Health	Utilization
an Hanagement	Thin-Clients Group	2		1	2	2	2
Deployment	ASUSOTPE	5		Mark I	1	4	4
Management	ASUSDEUR	1		W.	1	1	1
Report Management	Models in the ASUS	TPE Group			_	_	
	Connection	Model Name	Alias Name	05	BMC WebGUI	Health	Utilization
Server	→ OnLine (4 個項目)						
Configuration	Online	TS700-E7-RS8	CLIENT-A	A Windows	YES	0 16	0 22
	Online	29PE-D16 Series	LinuxServer:002	1 Linux	NO NO	0 15	0 25
	Donline P	owerON: LinuxServer-00	2(20PE-D16 Series)	Windows	NO NO	0 16	0 15
	Online Offline (1 (20))	estart: LinuxServer-002(owerOFF: LinuxServer-00	(Z9PE-D16 Series) 02(Z9PE-D16 Series)	Windows	NO 🚮	0 17	09
Administrator Admin	Coffline	P9D-E Series	SYS-SERVER02	🎥 Windows	NO 🔚		

2. You can select **Restart** or **PowerOFF** if the computer appears online.

PowerON is available only when the selected computer appears **Offline** and you have installed BMC card on that computer.



You can also power off or restart the selected computer after entering the **Monitor**.



3.2 Account Management

Account Management allows you to see the current login account and edit the account.



Only limited functions, including Monitor and Account Management are available when you login as a user. Other functions will be dimmed and become unavailable.

ŀ	SWM	l Enterpr	rise					
2	Monitor	Overview					24	rver/Mä
	Annual	Group List					×	Auto Refres
2	Management	Group Name	05	ent Counts	Connec	tion	Health	Utilasto
	rionogenient	ASUSPEUR	1		11. No.	1	1	1
		ASUS@TPC	5		115	1	4	4
	Management	Thin Clients Group	2		100	2	2	2
,	Report Management	Models in the ASU	S@TPE Group			_		
		Connection	Model Name	Alas Name	05	BMC WebGUI	Health	Vilente
Ļ.	Server	# OnLine (4 個別目)						
2	Configuration	Coline	T\$700-67-858	CLIENT-A	AT Windows	YES	0 16	0 22
		Coline	29PE-005 Series	LinuxServer-002	🛆 Linux	NO 🛅	0 15	01
		Coline .	PID-C Series	W39-07061T0Q458	A Windows	NO 📷	0 16	0 15
		Contine	2974-U8 Series	WIN-PHILKINVELEC	ar windows	NO NO	0 17	0 9
		# OffLine (1 GIRR)						
ł	User Viewer	inte office	PID-E Series	SYS-SERVER22	Nindows 🥂	NO 📷		

3.2.1 Current Login Account

Click Account Management on the left to display the **Login Account**, **Account** and **Role Privilege** tab, than click **Login Account** tab to display current Login Account.

	ŀ	ASWM	l Enter	pris	E		Version 1.3.7
	Ţ	Monitor	Account	Manag	jement		
\langle		Account Management	Login Account	Account	Role Privilege		
	Ť	Deployment Management			Account Name:	Administrator	
	16	Centralized Management			Account Password:	•••••	_
	4	Report Management		<	Account E-Mail:	test@gmail.com	
	٣.	Server Configuration					
	*	Administrator Admin					Edit Account

Editing the Login Account

Click Edit Account to edit the login account. Click Save when done.





The Account E-Mail shows in the Email Settings of Client Configuration.

3.2.2 Account

Click Account Management on the left to display the **Login Account**, **Account** and **Role Privilege** tab, than click **Account** tab to display Account Role and Account Role members of the account information.

ASWN	l Enterp	rise			Version 1.3.7
Monitor	Account Ma	anagement			
Account	Login Account	count Role Privilege			
Management	Account Informat	tion List			2
- Deployment	User Name	E-mail Address	Adive	Description	10
Management	- RoleName: Admin (2	67(E)			
	Administrator	Admin@asus.com		Power User	
Centralized	Exit	East@asus.com	96	Administrator	10
Management	Rolehame: Vewer (1	MERTED)			
Denet	User			View Only	
the Report	 RoleName: 5105 Con 	troi (140200)		and the second second second	
Management	Burney	Burney@asus.com	36	Rasponable for \$205 updating	
= Server	 Rolekame: Renote 6 	netros (a menta)			
	Existing and the late	Construction of the		Responsible for remote some of	_
	Ante	Andy@asus.com	22	Bassonable for MAC	
	No.	Evolution com	2	Responsible for BMC	
	- Roletsame: Applicatio	n (1 (1993)			_
	Kinki	Kinki@asus.com	12	Rasponsible for application	
and the second					
Admin	or Collanse All			Edit Account	Add Account
Contraction of the second s	Contraction of the second			E COL ACCOUNT	a mana menantina mena

You can click **Add Account** to add a new accont. In **Edit Account / Add Account** of the **Account Role** section, you can specify the **Account Role** for this Account. The Administrator also can check / uncheck Account to enable or disable the Account.



3.2.3 Role privilege

Click **Role Privilege** tab to display every role owns right of every model's function (a check mark indicate enable).

Administrator also can Add or modify the Role's right. (check / unckeck the role's right of there's function).



Click "Add New Role" shows as below.

ASWN	l Enterprise	Version 1.3.7
Monitor	Account Management	
Account	Login Account Account Role Privileg	10 No.
Management	Account Role Name:	BIOS Control
Deployment	Description:	This role can only do bios flash control.
Centralized Management	Dem Accept Prov Nonitor (23 (1913)) 1 Hardwaire Sensor (2 (1918))	lege Description
Report Management	Consistent (2 (2004)) Consistent (1 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2	
Server Configuration	Enable View 😥 Service Control	
	A BIOS Flash (2 GIRE) Enable View	
	Plash 20 5 Inventory (1, 6018) 6 Configuration (4 6038) 5 ENC (5 6038)	
Administrator Admin	Expand All	Save Cancel

3.3 Deployment Management

You can deploy ASWM Enterprise agents and remove agents through AD or manually. Refer to Chapter 2 for details.



3.4 Centralized Management

3.4.1 BIOS Flash Centralized Management

1. Click Centralized Management on the left and select BIOS Flash Centralized Management.

ASWN	l Enterprise	Version 1.3.7
Monitor	Centralized Management	
Account Management		
Deployment Management		
Centralized Management	BIOS Flash Centralized Management	
Report Management	Remote Control Centralized Management	
Server Configuration		
	Power Control Centralized Management	
Administrator Admin		

 You can simultaneously on multiple Models for BIOS Flash. System will detect the latest BIOS files on ASUS official website and show the latest BIOS version in LaestVersion field.

User can use check box to:

Select all models which are online and can be update.

Select all models which are online and can be update then TurnOnLED (LocatorLED) light and Reboot.(Locator LED can only be controled on the Model with BMC)

Monitor	BIOS	Flash Cent	ralized M	lanageme	nt			Retur
Annual		BIOS Flash Type:	ASUS BIOS Li	ve Update				
Management	ASWM I	Enterprise Group:	< List all clien	its >				•
	Model Li	st						
Deployment	Flash	ModelName	AliasName	HostName	CurrentVersion	LatestVersion	LocatorLED	Reboot
Management	 OnLine (7 	倡项日)						
Controlland	# Flashab	le (2 個項目)						
Centralized		Z9PA-U8 Series	WIN-PM1KJ6VRL5Q	WIN-PM1KJ6VRL5Q	3203	3204 🚺		
 Management 		TS700-E7-RS8	CLIENT-A	Client-A.ssdtest.com	3301	3301 🕤		
Boport	⊿ UnFlash	sable (5 個項目)						
Report		P9D-C Series	WIN+07G61T0Q45E	ASWM-Ver137.ssdte:	0203			
Management	Can't de	stect the latest BIOS ve	rsion, please try again	n later.				
Convor		RS702D-E6-PS8	TEAMSERVER	TeamServer.ssdtest.	1101			
Server		TC710	Saul-WES7	Saul-WES7.asusdem	0102			
Configuration		Z9PE-D16 Series	LinuxServer-002	LinuxServer-002	0801	3301 🕥	NOS	
	10	TC710	Erwin-TC710	Erwin-TC710.ssdtest	0102			
	GffLine (1	個項目)					THE LOCAL	
	⊿ UnFlash	sable (1 個項目)					00	
	1.1	P9D-E Series	SYS-SERVER02	SYS-SERVER02	0044			



The Live Update function of BIOS Flash automatically detects the latest BIOS in ASUS support site. The new BIOS information will be displayed in the column of **LatestVersion**. Click the blue bar to view the release note of the BIOS version.

2. Click Upadte BIOS button to start BIOS Flash and show all models progress.



3.4.2 Remote Control Centralized Management

1. Click Centralized Management on the left and select Remote Control Centralized Management.



2. This show will follow the group under each Group based information.



3. Click **Connect** button can remote control the model.

Rende Dektop Web Conector WDS\Administrator Logar on	• + x ≥ Au St • © • ⊃ #	• Q• 8• 0• 0 •
	<u>9</u> • <u>0</u> • ⊃ ∉	• 2• 8• 0• 9 •
WDS/Administrator Lapadar		
	₽	
Windows Server 2008/0 Enterprise		



You have to enable the Remote Desktop on your client computer before using the remote control function.

increase Name Harts	
inform regine I march	ware Advanced Remote
Remote Assistance	
Alow Elemote Au	sistance convections to this computer
	Advinced.
Remote Desktop	
Click an option, and th	hen specify who can connect, if needed.
· · · · · · · · · · · · · · · · · · ·	
C Don't allow conne	ections to this computer
· Allow connections	a from computers running any version of
 Allow connections Remote Desktop 	a from computers running any version of (ess secure)
Alow connections Remote Desktop Alow connections Desktop with Net	a from computers running any version of (ess secure) s only from computers running Remote work Level Authentication (more secure)
Alow connections Remote Desktop Alow connections Desktop with Net	a from computers running any version of (ess secure) s only from computers running Remote work Level Authentication (more secure) Select Users

3.4.3 Power Control Centralized Management

1. Click Centralized Management on the left and select Power Control Centralized Management.



2. You can simultaneously on multiple Models for **Power Control**.

Α	SWN	l Enter	prise				Version 1.3.
	Ionitor	Power Cont	rol Centraliz	ed Management			C Return
A	ccount	ASWM Enterprise	Group: DefaultGrou	ф •			
<u> </u>	lanagement	Model List				12222	
- 0	enloyment	HodeRame	Alashane	HustName	0n	l 🕑 off	Restart
M	lanagement	- OrGine (4 SERIE)					
		R57020-86-PS8	SERVER-001	SERVER-OUL authest.com		80	
C	Centralized	28P(N)8-013(X)	WIN-BAMAAGAACVE	WIN-B4MAAG4ACVR.wds.and.co		ι.	0
M SON	lanagement	T\$300-67-P\$4	SERVER-003	SERVER-022.au/test.com			90
		R5702D-66-PS8	ASWMENT	ASWMENT.audiest.com			90
the R	eport	T\$300-67-P\$4	SERVER-004	SERVER-004 andtest.com			10 C
M	lanagement	#57020-86-P58	SERVER-006	SERVER-OOI.audiest.com	1.1		×
	erver Configuration	15300-67-454	SERVER-005	SERVER-001.suitaut.com	0	0	
							4
🗶 A	deniniatzatzer Amin	a Servic can be prove	r an anty-with DMC.			-	Start

3. Click Start button to start Power Control and show all models progress.

ASWN	l Enterpris	56			Version 1.3.
Monitor	BIOS Flash Cer	tralized I	Manageme	nt	
Account	BIOS Flash Report	Program	Fett/t	Message	
Controlized Management Centrolized Management Management Management Server Configuration	200/06.001.addeat.com 250/06.001.addeat.com 250/06.001.addeat.com 260/06.001.addeat.com 260/06.001.addeat.com 260/06.001.addeat.com		Processing Success Success Processing Success Processing Processing	Apert: Thiologian, Elson-Insert Apert: IDDS Updates, Estorement Apert: IDDS Updates, Estorement Apert: Fashing IDDA Apert: Fashing IDDA Apert: Fashing IDDA	
Administration Admin					Finish

3.5 Report Management

This function allows you to configure report management.

3.5.1 Asset Report Management

To configure asset report management:

1. Click **Report Management** on the left of the screen and select **Asset Report Management**.

ASWN	I Enterprise Version 1.3.
Monitor	Report Management
Account Management	
Deployment Management	
Centralized Management	
Report Management	Asset Report Management
Server Configuration	
Administrator Admin	

2. View the Asset Tag, Serial Number, Processor, Memory, Disk, RAID and NIC Information.

1	ASWN	l Enterp	orise				Version 1.3.7
Ţ	Monitor	Asset Rep	ort Mana	gement			C Return
-		ASWM Enterprise Gr	oup: < List all o	lients > *			O Option
0	Account	Model List				Т	atal Number: 8
~	Management	Host Name	Alias Name	Asset Tag	Serial Number	Processor	Hemory
	Doployment	TeamServer.ssdtest.com	TEAMSERVER	Asset-1234567890	102116330000009	Intel(R) Xeon(R) CPU	3.99 GB
5	Deployment	Erwin-TC710.ssdtest.com	Erwin-TC710	0x00000000	C2PEAS013780	Intel(R) Atom(TM) CPU	1.99 GB
	management	LinuxServer-002	LinuxServer-002	SYS-Lin-002	886228943447	Intel(R) Xeon(R) CPU E	7.91 GB
-	Centralized	ASWM-Ver137.ssdtest.co	WIN-07G61T0Q45E	To Be Filled By O.E.M.	To be filled by O.E.M.	Genuine Intel(R) CPU 0	827.47 MB
0	Management	WIN-PM1KJ6VRL5Q	WIN-PM1KJ6VRL5Q	To Be Filled By O.E.M.	To be filled by O.E.M.	Intel(R) Xeon(R) CPU E	31.96 GB
		Client-A.ssdtest.com	CLIENT-A	SYS-TS700-E7-RS8	289434470002	Intel(R) Xeon(R) CPU E	1.96 GB
Ph.	Report	Saul-WES7.asusdemo.cor	Saul-WES7	0x0000000x0	EccPC+1234567890	Intel(R) Atom(TM) CPU	1.99 GB
0	Management	SYS-SERVER02	SYS-SERVER02	To Be Filled By O.E.M.	To be filled by O.E.M.	Genuine Intel(R) CPU 0	1.81 GB
R	Server Configuration	Export Asset Report					R 4 1 F H
			Asset Tagi Asset-3	234567890			Basic
		s	erial Number: 102116	330000009			Processor
		System P	roduct Name: RS7020	D-E6-PS8			Memory
		System	Manufacturer: ASUST	sk Computer INC.			Disk
-	Administrator	Baseboard P	roduct Name: Z8PH-C	12/178			RAID
-	LooOut	Baseboard	Manufacturer: ASUSTe	sK Computer INC.			NIC

3. Click the **Option** button to select the field that you want to show in the table.



3.6 Server Configuration

You are allowed to do general server configurations, including SMTP server, SNMP Trap, security, etc..

3.6.1 SMTP Server

To set up the SMTP server

1. Setting up the correct SMTP server information if you would like to send the notification through Email. Click **Edit SMTP Setting** to fill in the fields.

Server Configuration - Wind	ows Internet Explorer		altixi
Coor # Martin / boshoet	laturat Maturage & Martit	1 1 1 1 × 1 1 1 1	P.*
A favorites St B Superior	etter • 👷 von the later •		
E Server Configuration		9.0	int + Page + Safety + Tools + 🔂 +
ASWN	l Enterpris	8	Version 1.3.7
Monitor	Server Configu	ration	
Account Management	SMTP Server Security 5	SNMP Trap ASWM Group BIOS DataBase	
Deployment Management		Display Name:	
Centralized Management		SMTP Port:	
Report Management		Sender Address: Sender ID:	(c)
Server	- un	Sender Password:	14
		Enable SSL1 - Yes, 1 want to enable	Sol.
A Done		The State Interest (Protected M	Nder Off
Erstant 📇 🔐	Server Configurati		* (> 🖗 () 4267H

2. Click **Send Test E-Mail** and enter a receiver's E-Mail to see if the SMTP server has been successfully set up. If so, click **Save** to save the configuration.



3.6.2 Security

You can set the Access Control List, which permits or denies the specific IPs' access.

The ACL settings is based on Cisco router settings. Fill in the blank fields and click **Add New ACL Rule** to add a IP on the control list. Use the **ACL Rule Test** on the bottom to test if it has been added successfully.

A	SWM	l Ente	rpris	5E				Version 1.3.7
-	Monitor	Server 0	onfig	uration				
	Account Management	SMTP Server	Security	SNMP Trap	ASWM Group	BIOS Da	taBase	
ĩ	Deployment Management	Priority	Type		IP Address		Wildcard Mask	
6	Centralized Management							
45	Report Management							
1	Server Configuration	Priority	0(*)	Type Permit	۹I •	Address	Wile	Joard Mask
					E) t	xport ACL Rule	Import ACL Rule	+ Add New ACL Rule
*	Administrator Admin LogOut		ACL Ru IP A M	le Test ddress: essage:			Test Rule	



Click Export ACL Rule or Import ACL Rule to export or import ACL Rule.

Examples of ACL settings

 If you want to permit Class C IP addresses 192.168.0.0-192.168.0.255 Rules:

Permit:	IP 192.168.0.0	Wildcard Mask: 0.0.0.255
Deny:	IP 0.0.0.0	Wildcard Mask: 255.255.255.255

 If you want to permit IP 192.168.0.200 only Rules: Permit: IP 192.168.0.200 Wildcard Mask: 0.0.0.0

dcard Mask: 255.255.255.255

3. If you want to deny IP 192.168.0.200 only

nuics.		
Deny:	IP 192.168.0.200	Wildcard Mask: 0.0.0.0
Permit:	IP 0.0.0.0	Wildcard Mask: 255.255.255.255

3.6.3 SNMP Trap

Fill in the blank fields and click **Add Profile** to add the SNMP Trap profile. If you would like to edit the profile, click **Edit Profile**.

Control P (Control to control that age of Narroll (Control to Control to C	** X 2 Mg
🙀 Faverbes 🙀 🙀 Supported Size • 🐒 Nob Size Salary •	
Enver Configuration	🧛 + 🗇 - 🖂 👳 + Page + Safety + Tools + 🚇 +
ASWM Enterprise	Version 1.3.7
Monitor Server Configuration	
Account SMTP Server Security SNMP Trap ASWM Group BIO	S DataBase
T Deployment SNMP Trap Profile:	
Centralized Profile Name: Management Community:	
Anagement Receive Address:	
Server Configuration	
* Administrator	Add Profile
Down	ocal intrariet Protected Moder Off / a + 4, 300% +
Ristart 📇 🔐 🥌 🚱 Server Configurati	* (> 👬 () 426/H

3.6.4 ASWM Group

You can add new ASWM Groups or edit the existing groups. The information of computers in each group is displayed when the group is selected.

The SNMP profile information is used for sending notificatiton.





You cannot delete the **DefaultGroup** and all the clients will be regrouped under **DefaultGroup** when their groups are deleted.

3.6.5 BIOS

The BIOS screen displays all the BIOS cache information. The ASWM Enterprise automatically detect and download the newest BIOS from the ASUS support site.

		40		and the second se		and the second second
(2) (4) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	14_ P-EC	C 🙆 Server Con	figuration is			* 0
ASWM	Enter	prise				Version 1.3.
Monitor	Server	Config	uration			
Account	SMTP Serve	er Security	SNMP Trap	ASWM Group	BIOS DataBase	
Management	BIOS Car	the List				
- Deployment	Remove	ModelName	Version +	BuildDate	Fielize	Source
Management	ZINR-012	(2.60818)				
-		28NR-012	1204	11/03/2010	881,429 Dytes	AsusPTP
Centralized	TONIOUS	Z8NR-D12	1101	04/14/2010	824,258 Dytes	AsusPTP
Management	2004002	28PH-012-0FR	0902	11/16/2010	800 Std Puter	AnufTE
Report Management					2	
Server					16	3IOS
Configuration					A	
					0.00	
	The Advant of	relation of a	e the models. saturals denot and			
2						Remove
LogOut						Contraction of the



It is more convenient to click the check box on the bottom to select the older version BIOS if you want to remove the older ones.

3.6.6 DataBase

You can view the database information of ASWM Enterprise here.





This chapter describes system status and information of the client.

4.1 Monitor Overview

You can have detailed monitoring information of each client in realtime.

1. Click **Monitor** on the left.

	Overview						
Monitor						Se	rver/MB
Account	Group List					✓	Auto Refres
Management	Group Name	Clin	ent Counts	Connec	tion	Health	Utilization
gement	ASUSGEUR	1			1	1	1
Deployment	ASUS@TPE	5			1	4	1
Management	Thin-Clients Group	2		100	2	2	2
Centralized Management Report							
Centralized Management Report Management	Models in the ASU	S@TPE Group					_
Centralized Management Report Management Server	Models in the ASU Connection	S@TPE Group Kodel Name	Alias Name	05	BMC WebGUI	Health	Utilizatio
Centralized Management Report Management Server Configuration	Models in the ASU Connection • OnLine (4 (19/19)) • Online	S@TPE Group Model Name	Alias Name	os	BMC WebGUI	Health	Utilization
Centralized Management Report Management Server Configuration	Models in the ASU Connection a OnLine (4 (1988)) Colline Deline	S@TPE Group Kodel Name TS700-E7-RS8 7955-D16 Soier	Alias Name CLIENT-A	os	BMC WebGUI	Health	Utilizatio
Centralized Management Report Management Server Configuration	Models in the ASU Connection Online (4 (1988)) Online Online	S@TPE Group Nodel Name TS700-E7-RS8 ZSPE-D16 Series	Alias Name CLIENT-A LinuxServer-002	os Windows À Linux	BMC WebGUI	Health 16 15 16	Utilization
Centralized Management Report Management Server Configuration	Models in the ASU Connection OnLine (4 @WW) Online Online	S@TPE Group Model Name TS700-E7-R58 ZSPE-D16 Series PSD-C Series 7990-U 8 Series	Alias Name CLIENT-A LinuxServer-002 WIN-07G61T0Q45E	os Vindows Linux Windows Windows	BMC WebGUI	Health 16 15 16 17 	Utilizatio 22 0 1 15 0 0
Centralized Management Report Management Server Configuration	Models in the ASU context onLine (4 (\$\$\\$\$)) \$\overline\$ onLine\$ onLine	S@TPE Group Nodel Name TS700-E7-RS8 Z9PE-D16 Series 29PA-U8 Series Z9PA-U8 Series	Alias Name CLIENT-A LinuxServer-002 WIN-07661T0245E WIN-PMLKB0RLSC	os 10 Windows 10 Linux 10 Windows 10 Windows	BMC WebGUI	Health 16 15 15 16 16 17	Utilization 22 1 15 9

2. Select a desired group from the Group List.

A	SWM	Enterpr	ise					Version 1.3.
Щ м	onitor	Overview					Se	rver/MB *
-	ccount	Group List					ď.	Auto Refresh
	anagement	Group Name	Cli	ent Counts	Conned	tion	Health	Utilization
	anogement	ASUSGEUR	1		N	1	1	1
S D	eployment	ASUS@TPE	5		1	1	4	1
M	anagement	This-Clients Group	2		10 M 10	2	2	2
s R	eport anagement	Models in the ASUS	@TPE Group				_	
		Connection	Nodel Name	Alias Name	os	BMC WebGUI	Health	Utilization
	onfiguration	∡ OnLine (4 個項目)						
C	oninguration	Conline Online	TS700-E7-RS8	CLIENT-A	穳 Windows	YES	0 16	0 22
		Online Online	Z9PE-D16 Series	LinuxServer-002	👌 Linux	NO 🔜	0 15	01
		Conline Online	P9D+C Series	WIN-07G61T0Q45E	🎊 Windows	NO 🔝	0 16	0 15
		Coline Online	Z9PA-U8 Series	WIN-PM1KJ6VRL5C	穳 Windows	NO 🔚	0 17	09
		∡ OffLine (1 個項目)				- Contraction of the second se		
- Ad	Iministrator	Contraction Offline	P9D-E Series	SYS-SERVER02	Nindows	NO NO		
Ad	lmin LogOut							

3. Select a desired client for monitoring in the Group

ASWM	l Enterpr	ise					Version 1.3
Monitor	Overview					Se	rver/MB +
Account	Group List					۲	Auto Refresh
Management	Group Name	Clie	ent Counts	Connec	tion	Health	Utilization
Hundgement	ASUSBEUR	1		11	1	1	1
Deployment	ASUS@TPE	5		1	1	4	1
Management	Thin-Clients Group	2		Mill.	2	2	2
Report Management	Models in the ASUS	@TPE Group					_
Camina .	Connection	Model Name	Alias Name	os	BMC WebGUI	Health	Utilization
Server	⊿ OnLine (4 個項間)						
Configuration	Conline Online	TS700+E7+RS8	CLIENT-A	🎊 Windows	YES	0 16	0 22
	Coline Online	Z9PE-D16 Series	LinuxServer-002	👌 Linux	NO 🔚	0 15	0 1
	Online	P9D-C Series	WIN-07G61T0Q458	A Windows	NO 🛐	0 16	0 15
	Online	Z9PA-U8 Series	WIN-PM1KJ6VRL5C	Mindows	NO NO	0 17	0 9
	▲ OffLine (1 個項目)						
Administrator	Contraction Offline	P9D-E Series	SYS-SERVER02	🎒 Windows	NO 🔚		
Admin							

4. The Client Information of the selected computer is displayed as shown.



The function area

4.2 HW Sensor

Hardware sensors are responsible for voltage, fans, temperature and backplanes monitoring. You can have a realtime notification of each component with colored signals or customize your warning threshold.



4.2.1 Setting thresholds

Click the dashboard to customized your own threshold value, including **High Critical**, **High Warning**, **Low Warning**, and **Low Critical**.

To set the threshold

- 1. Click a desired dashboard for customizing.
- 2. Move the slider to adjust the threshold value.
- 3. Click **OK** to save the configuration.





The value of **High Warning** must be lower than **High Critical** and the **Low Warning** must be higher than **Low Critical**.

4.2.2 Hardware sensor tabs

Voltage

Scroll down for more voltage dashboards or click **Return** to the previous Client Information screen.



Fan

This screen displays the fan status. Click **Return** to the previous Client Information screen.



Temperature

This screen displays the device temperature. Click **Return** to the previous Client Information screen.



Backplane

This screen displays the blackplane status, including **Drive Presence**, **Drive Not Exist**, **Fault**, and **Rebuild**. Click **Return** to the previous Client Information screen.





This tab is only available when your system is equipped with backplanes.

Chassis

This screen displays the chassis status. If the chassis of the client computer is opened, the ChassisIntrusion Lock icon will appear unlocked. Click **Return** to the previous Client Information screen.

ASWM	Enterprise	Version 1.3.7
Monitor	Hardware Sensor	C Return
Account Management	Voltage FAN Temperature Chassis	Ĩ
Centralized Management	Ceneral Chasololithmion	
Report Management		
Configuration		
Administrator Admin		

4.3 Inventory

Inventory shows the general disk info of your installed Hard disk drive, optical disk drive and the connected external disk drive.

4.3.1 Disk Info

Disk Information

The disk information screen includes Name, Media Type, Status, Manufacturer, Size, S.M.A.R.T Support and S.M.A.R.T Status.



Scroll down for more items.



S.M.A.R.T Information



Click to show SMART information

Partition Information



4.3.2 Device Manager

The Device Manager displays all the devices installed on the client PC.

To check device properties

1. Click Device Manager tab on the top.



2. Click the desired category to expand and show the devices.

ASWN	/ Enterprise	Version 1.3.7
Monitor	Inventory	C Return
Account Management	Disk Info Device Manager	
Deployment Management	- 2 DUDICO-KOH Arves 2 ADUS DVD-ESSMET ATA Device + 1 Computer	
Centralized Management	++ → Dak drives +- ● Digities strations +- → DE KIN/ADAR controllers	
Aeport Management	e 📑 trebants 	
Server Configuration	 ¹ Non-and after particip devices ² Alternatic adapters ² A feature tabuters ² A feature tabuters ² A feature tabuters ² A feature tabuters ² 	
Administrator Administrator	D 👔 Berrige Volumen	

3. Click the device to show the device properties.



4.4 Event Log

ASWM Enterprise automatically creates and records all the significant events happening on your system in the event logs. Click the tabs (ASWM Enterprise, Application, System, and Security) on the top to browse different categories. The level types are Information, Warning and Error.

ASWM	l Enterpris	56		Version 1.:
Monitor	Event Log			C Return
Account	ASWM Enterprise App	lication System Security		(UTC+08:00) 台
A Management	Level Type	DateTime	Source	
	1 Information	12/28/2012 10:33:38 AM	ASWM Agent	
Deployment	1 Information	12/28/2012 10:33:06 AM	ASWM Agent	
Management	Error	12/28/2012 10:30:29 AM	ASWM Agent	
Centralized	Warning	12/28/2012 10:28:22 AM	ASWM Agent	
Management	Warning	12/28/2012 10:27:51 AM	ASWM Agent	
	1 Information	12/27/2012 5:02:58 PM	ASWM Agent	
Report	1 Information	12/27/2012 5:02:31 PM	ASWM Agent	
Server Configuration				
Administrator Admin	Advanced Search	: EventLog 🚽 Clean EventLog		R (I)

Click a desired log to see the detailed information.

ASWN	l Enterpris	ie		Version 1.3.7
Monitor	Event Log			C Return
Account	ASWM Enterprise Appli	cation System Security		(UTC+08:00) 台北
Management	Level Type	DateTime	Source	
Dealerment	Information	12/28/2012 10:33:38 AM	ASWM Agent	
Deployment	Information	12/28/2012 10:33:06 AM	ASWM Agent	
Management	Error	12/28/2012 10:30:29 AM	ASWM Agent	
Centralized Management	DateTime: 12/28/2012 10:30:29 AF Source: ASWM Agent Message: Sensor : CPU1 Temperatu Value : 54> 55 Status Changed : LowWai	4 mine> HighCritical		
Report	Warning	12/28/2012 10:28:22 AM	ASWM Agent	
Management	Warning	12/28/2012 10:27:51 AM	ASWM Agent	
≡h Server	1 Information	12/27/2012 5:02:58 PM	ASWM Agent	
Configuration	Information	12/27/2012 5:02:31 PM	ASWM Agent	
Administrator	Advenced Search	EventLog		[4 - 4 1 ≯ → 9]

Advanced Search

Click **Advanced Search** to use the **Event Log Filter** to locate your desired log more quickly.

ASWM	l Enterprise	Version 1.3.7
Monitor	Event Log	C Return
Account Management Deployment Centralized Management Management Server Configuration	NONCONCENTRATION ADDRESS STORE NO. Second TV The second store in the second store in	(JTC+88:50) (#8
Administrator Admin LogOut	Advanced Search Deport EventLog / Clean EventLog	14 - 4 [[1]] F - H

Filtering by Time Span

If you select **Filter by Time Span**, you can decide and search your desired time period for the logs.



Filtering by Counts of Record

If you select **Filter by Counts of Record**, you can decide the number of the logs you would like to see. Click the arrow buttons to increase or decrease the number, or you can enter a desired number directly.



Clean EventLog

Click Clean EventLog to clear all the event logs stored in your client PCs.

ASWM	l Enterpris	56	Version 1
Monitor	Event Log		C Retur
Account	ASWM Enterprise App	lication System Security	(UTC+08:00) #
Management	Level Type	DateTime	Source
	1 Information	12/27/2012 4:58:48 PM	Software Protection Platform Service
Deployment	1 Information	12/27/2012 4:58:48 PM	Software Protection Platform Service
Management	1 Information	12/27/2012 4:58:47 PM	Software Protection Platform Service
Centralized	1 Information	12/27/2012 4:58:47 PM	MSDTC 2
Management	Error	12/27/2012 4:58:34 PM	WinMgmt
Hundgemene	1 Information	12/27/2012 4:56:54 PM	SceCli
Report	1 Information	12/27/2012 4:56:45 PM	WAS-LA
Management	1 Information	12/27/2012 4:56:45 PM	WinMgmt
0	1 Information	12/27/2012 4:56:45 PM	WAS-LA
Server	1 Information	12/27/2012 4:56:45 PM	WinMgmt
Configuration	1 Information	12/27/2012 4:56:44 PM	Microsoft-Windows-User Profiles Service
	1 Information	12/27/2012 4:56:44 PM	EventSystem
	1 Information	12/27/2012 4:55:20 PM	Microsoft-Windows-User Profiles Service
	1 Information	12/27/2012 4:55:20 PM	Wicintfy
	1 Information	12/27/2012 4:55:20 PM	Desktop Window Manager
Administrator	1 Information	12/27/2012 2:45:28 PM	Desktop Window Manager
Admin	Advanced Search	t EventLog	

Export EventLog

Click Export EventLog to export a *.csv file to your client PC.

AS	WM	Enterp	rise				Version 1.3.7
Monit	tor	Event Log					C Return
Accou	unt	ASWM Enterprise	Application	System	Security		(UTC+08:00) 台北
Mana	gement	Level Type	Da	teTime		Source	
		1 Information	n 12/	/28/2012 10:33	:38 AM	ASWM Agent	
Depic	oyment	1nformation	n 12,	/28/2012 10:33	:06 AM	ASWM Agent	
Mana	igement	🚺 Error	12,	/28/2012 10:30	:29 AM	ASWM Agent	
Centr	ralized	🛕 Warning	12,	/28/2012 10:28	:22 AM	ASWM Agent	
Mana	gement	🛕 Warning	12,	/28/2012 10:27	:51 AM	ASWM Agent	
		1nformation	n 12,	/27/2012 5:02:	58 PM	ASWM Agent	
Repo	rt	1 Information	n 12/	/27/2012 5:02:	31 PM	ASWM Agent	
Mana	igement						
= Serve	er						
I Confi	iguration						
👝 Admini	istrator						
Admin	LocOut	Advanced Search	> Export EventLog	Clean Ev	entLog		H 4 1 → H

4.5 Utilization

Utilization Sensor shows the utilization status of disk drives, CPU, Memory and Network. You can customized the threshold value of each sensor for sending notifications.

4.5.1 Partition

The Partition screen shows the information of your installed hard disk drives and the connected external storage devices. Move the slider under each disk drive to set the warning threshold.



4.5.2 CPU

This screen shows the CPU usage of each installed CPU.





The number of the CPU here is the logical number of the CPU, not the number of the installed CPU.

4.5.3 Memory

This screen shows the total physical memory, used memory, the available memory, and the memory utilization status.



4.5.4 Network

This screen shows the general information of the network and the network utilization status.



4.6 Software



Click Auto Refresh to refresh the monitoring screen automatically.

4.6.1 Application

Displays all the installed applications on this client and their general information.



4.6.2 Service

Displays the status of each installed applications. Right-click a desired service and you can start, restart or stop the selected service.



If the **Start Mode** of the selected service shows **Disabled**, you cannot control that service.

installe				
Monitor	Software Infor	mation		C Re
Account	Application Services P	rocess Environment Variables		Auto I
management	Display Name	Description	Start Mode	State
Deployment	Application Experience Application Layer Gateway Service	Processes application compatibility cache requests for applic Provides support for 3rd party protocol plug-ins for Internet	Manual Manual	Stopped Stopped
	Application Host Helper Service	Start: Application Host Helper Servi	ice i	
Centralized Management Report Management	Application Host Helper Service Display Name: Application Host Hel Description: Provides administrative services for configuration history and locking do Start Mode: Auto State: Running AcceptStop: True	Start: Application Hoat Helper Service Stop: Application Hoat Helper Service Stop: Application Hoat Helper Service Restart: Application Hoat Helper Service Res	ce rvice apping. ries will	If this service is stopped not work.
Centralized Management Report Management	Application Hold Helper Service Display Name: Application Hold Hel Description: Provides administrative services for configuration history and locking do Start Mode: Auto Starte: Running AcceptStop: True Application Identity	per Sarvice US, for example of Stop: Application Host Helper Sarvic US, for example of Restart: Application Host Helper Sarvic Restart: Application Host Helper Sarvic Determines and verifies the identity of an application. Diskt	ce or rvice apping, ries will Manual	If this service is stopped not work.
Centralized Management Report Management Server	Application Hold Helper Service Display Name: Application Host Hel Description: Provides administrative services for configuration history and locking de State: Running AcceptStop: True Application Identity Application Information	Sterk Application Host Helper Savia Stori Application Host Helper Savia Stori Application Host Helper Savia Restart: Application Host	rvice apping, rvice ries will Manual Manual	If this service is stopped not work. Stopped Stopped
Centralized Management Report Management Server Configuration	Application Hold Helper Service Display Name: Application Hold Hel Pervoides administrative services for configuration history and locking do State Mode: Auto State: Running AcceptStop: Two Application Indentity Application Indentity Application Management	Start: Application Heat Helper Start Start: Application Heat Helper Start Start: Application Heat Helper Start Network Comparison Heat Helper Start Determines and verifies the identity of an application. Dask Pacificates the numming of interactive applications measured I Pacificates the numming of the numing of the numming of the numing of the numm	Nanual Manual	If this service is stopped not work. Stopped Stopped Stopped
Centralized Management Report Management Server Configuration	Application Hold Helper Service Display Name: Application Hold Hel Perception: Providesiden history and locking do State Holds: Auto State: Running AcceptStop: True Application Information Application Information Application Biofernit Biolación Management Windows Audio Endpoint Builder	Oracle Application Net Helder Show Stor Application Net Helder Show Stor Application Net Helder Show Net Helder Sho	kanual Manual Manual Manual	If this service is stopped not work. Stopped Stopped Stopped Stopped
Centralized Management Report Management Server Configuration	Application Hood Helper Service Darplay trans- Replication Host Help Description: Provides administrative services for configuration history and locking do Start Heller, Apol Start Heller, Apol Accretifyop: True Application Identity Application Information Application Information Application Information Application Information Mindows Audio	Ever. Application heat helper Services Italy, for exempting Start, Application heat helper Services Testing and the heat helper Services Restart: Application heat helper Services Re	kanual Manual Manual Manual	If this service is stopped not work. Stopped Stopped Stopped Stopped Stopped
Centralized Management Report Management Server Configuration	Application Hood Halper Service Design Yama's Application Host Halper Despription configuration halarity and locking do State: Running Accessition: The Application Enternation Application Enternation Application Enternation Application Enternation Windows Audio Endpoint Builder Windows Audio Endpoint Builder	Or Start, Arginstain near helper Sava Store Arginstain Near Helper Sava Store Arginstain Near Helper Sava Near Helper Sava Restart i Arginstain near Helper Sava Near Helper Savaa Near H	Annal Manual Manual Manual Manual Auto	If this service is stopped not work. Stopped Stopped Stopped Stopped Stopped Running
Centralized Management Report Management Server Configuration	Application Hood Halper Service Dealby Hamin Separation House House Provides administrative services for configuration Houser and Boding do Start Houser Auto Application Identity Application Management Windows Audio Endpoint Builder Windows Audio Base Filtering Engine Background Intelligent Transfer Se	error service Extr. Application heat helper Servic Sino Application heat helper Servic Sino Application heat helper Servic Sino Application heat helper Servic Restart: Application heat helper Service Restart: Application heat heat heat heat heat heat heat heat	Annual Manual Manual Manual Manual Manual Manual Manual	If this service is stopper not work. Stopped Stopped Stopped Stopped Running Stopped

4.6.3 Process

Displays the process of the running applications.

Software Information - Weeks	wa Internet I	aplarer		(الله ا
Set In Concercio			2 0 0 A	and the second
Favorites 38 Buperteril	100 × 8 100	A line latery		
Coloure Information			9	• 💭 · 🔿 👘 • Page • Safety • Tools • 📦 •
AGWA	En	tennice		Version 1.3.3
	GII	reihilise		
Monitor	Softv	ware Inform	nation	C Return
Account	Applica	tion Services Pro	cess Environment Variables	Auto Refresh
Management	100	Name	Description	
- Doploymont		System 3dle Process		8
Management	4	System		
Management	322	artist.exe		
Centralized	404	C3/38-8x8		
Management	444	Carso.exe		
	452	winint.exe	Windows Start-Up Application	
Report	800	wintogen.eve		
Management	540	services.exe		
server	548	lass.exe		
Configuration	\$56	lam.exe		
comgaration	740.	suchost.exe	Host Process for Windows Services	
	824	sychost.exe	Host Process for Windows Services	
	920	sychost.exe	Post Process for Windows Services	
	940	sychost.exe	Heat Process for Windows Services	
Administrator	1012	s+chost.exe	Host Process for Windows Services	
LogOut	100			
Dore			The Stocal Internet	Life and Moder Off
The literation	- Researching	MARY COLUMN	the second second second	a (

To end the process of the running application

- 1. Right-click the application that you would like to end the process.
- 2. Select End Process:XXXXX to stop the application running.

ASWM E	nterpris	56	Version 1.3
Monitor Sof	tware Info	rmation	C Return
Account Appl	ication Services	Process Environment Variables	Auto Refres
Management PID	Name	Description	
- Doploymont 776	sychost.exe	Host Process for Windows Services	*
Mapagement 872	svchost.exe	Host Process for Windows Services	
Management 912	svchost.exe	Host Process for Windows Services	
Centralized Name Management Desc	912 e: svchost.exe ription: Host Process for Wind	tows Servic Servic	
Pepert 980	svchost.exe	Host Process for Windows Services	
Management 244	svchost.exe	Host Process for Windows Services	
Management 192	svchost.exe	Host Process for Windows Services	
th Server 712	svchost.exe	Host Process for Windows Services	
Configuration 1133	spoolsv.exe		
1164	svchost.exe	Host Process for Windows Services	
1192	IPROSetMonitor.exe		
1268	8 SMSvcHost.exe	SMSvcHost.exe	
1380) svchost.exe	Host Process for Windows Services	
1436	svchost.exe	Host Process for Windows Services	
1184	svchost.exe	Host Process for Windows Services	*
4.6.4 Environment Variables

Displays the environment variables.

Software Information - Wedo	ws Internet Explorer		ي ال
🖉 🕈 🗱 http://bcahest.iv	wment/Hart, argus #/CSo/Bhrle	2 8 to 10	P Ing
Pararites a g Inspected	ter		
Software Information	11		🖓 + 🔯 + 🗁 🖮 + Page + Safety + Tools + 🗑
ASWM	Entern	las	Version 1.3
	enter pr		
Monitor	Software In	formation	C Return
Account	Application Servic	es Process Environment Variables	🗖 Auto Refre
📥 Management	Variable Name	Variable Value	
- Deployment	ComSpec	Cr\Windows\aystem32\cmd.exe	
Management	PROCESSOR_ARCHITECTU	AMD64	
Management	05	Windows_NT	
Centralized	PROCESSOR_REVISION	1#05	
Anagement	winde	C:Windows	
	FROCESSOR_IDENTIFIER	Intel64 Family 6 Hodel 26 Stepping 5, GenuineIntel	
Report	TEMP	C:\Windows\/TEMP	
Management	USERNAME	SYSTEM	
Comercia	PROCESSOR_LEVEL	6	
Server	NUMBER_OF_PROCESSOR:	8	
Configuration	Path	C:\Windows\system32;C:\Windows;C:\Windows\System32\V	(bem;C:\Windows\System32\WindowsPowerShell)
	THP	C:\Windows\7EMP	
	PP_NO_HOST_CHECK	NO	
	PSModulePath	C:\Windows\ayetem32\WindowsPowerShell(x1.0/Modules\	
Administration	PATHEXT	COMILEXE: BATLCHDL/VB8//VBEL35).35ELWSPLWSHLHSC	
10007	100		
Dorm		Do St Local Inter	avent Producted Hoder Off
1 31 00	6		444344

4.6.5 Export function

Click Export button to export a *.csv file.

Monitor	Software Infor	mation		C Return
Account	Application Services P	rocess Environment Variables		Auto Refre
A Management	Display Name	Description	Start Mode	State
Deployment	Application Experience	Processes application compatibility cache requests for applic	Narual	Stopped
Management	Application Layer Gateway Service	Provides support for 3rd party protocol plug-ins for Internet	Manual	Stopped
rianogement	Application Host Helper Service	Provides administrative services for IDS, for example config-	Auto	Running
Centralized	Application Identity	Determines and verifies the identity of an application. Disat	Manual	Stopped
Management	Application Information	Facilitates the running of interactive applications with addit	Manual	Stopped
	Application Management	Processes installation, removal, and enumeration requests (Manual	Stopped
Report	Windows Audio Endpoint Builder	Manages audio devices for the Windows Audio service. 31 th	Nanual	Stopped
Management	Windows Audio	Manages audio for Windows-based programs. 37 this service	Manual	Stopped
Conver	Ease Filtering Engine	The Base Filtering Engine (BPE) is a service that manages fi	Auto	Running
Configuration	Background Ditelligent Transfer Se	Transfers files in the background using idle network bandwi	Manual	Stopped
Consiguration	Computer Browser	Maintains an updated list of computers on the network and	Disabled	Stopped
	Certificate Propegation	Copies user certificates and root certificates from smart can	Manual	Stopped
	Hicrosoft JNET Framework NGEN v	Microsoft JNET Framework NGEN	Harual	Stopped
	Hicrosoft .NET Pramework NGEN v	Microsoft, JNET Framework NGEN	Nanial	Stopped
	COM+ System Application	Manages the configuration and tracking of Component Obje	Hanual	Stopped
	Chutopraphic Services	Provides four management services: Catalog Database Services	Auto	Running

4.7 Security

Security function allows you to manage your USB Flash and Registry Tool safely.

USB Flash management

Use this function to prevent other users from copying the files in the Client to their USB flash disks. Follow the steps below:

1. Click **USB Flash** tab to view the status of the uSB flash disk.



2. Click Edit USB Flash Setting if you want to change the current status. When done, click Save.



Regedit Tool

Regedit.exe is a built-in registry editor in Windows OS. To improve the system security, follow the steps to disable the Regedit.exe in Windows OS:

1. Click the **Regedit Tool** tab to view the status in Regedit Tool.



2. Click Edit Regedit Tool Setting to change the current setting. When done, click Save.



4.8 BMC

BMC Information displays the general information of the installed BMC card.

-		
P	This button is available only when you BMC card to the	ne client computer.
	A Enterprise	C Return C lick to check or
Account Management	BMC Information IPHI Model Name: ASM86-iKVM Version: 100	delete the SEL information
Management	SEL Number (BMC:114 , File:0) Card Type: OnBoard Flash Type: Arg ed 2300	Left: system message LED
Beport Management	LED Status M (1)	locator LED. Click
Server Configuration	IP Addree: 10.10.43.104 IP Source: DHCP	locator LED
, 🔼 Administrator	MAC Address: 00:E01:8:77:22:0C Mask: 255:255:255:0 Gateway: 10:10:43:1	Click to connect BMC Web-GUI
Admin LogOu		



Only when there is an IP Address, you can click to access the BMC Web-GUI.

Ensure that your web browser does not block the pop-up window.

Click **114** to check the SEL (System Event Log) records of BMC, click **Export** to **SEL Records** to export the SEL to a CSV file, or click **Clean SEL Records** to clean the SEL of BMC.

	enterpi	-156			
Monitor	SEL Informa	tion			C Re
Account	SEL Information L	st			
Management	TimeStamp	SensorNui	SensorType	SensorName	Description
and the second second second	→ BMC (100 個現日)				
Deployment	12/27/2012 10:10:04 PM	49	Temperature	CPU1 Temperature	Deassertion event: Upper Non-critical going high
Management	12/27/2012 10:09:53 PM	49	Temperature	CPU1 Temperature	Assertion event: Upper Non-critical going high
100 million (100 million)	12/27/2012 10:09:24 PM	49	Temperature	CPU1 Temperature	Deassertion event: Upper Non-critical going high
Centralized	12/27/2012 3:22:31 PM	156	Power Supply	PSU2 AC Lost	Assertion event: Power Supply AC lost
Management	12/27/2012 3:22:28 PM	156	Power Supply	PSU2 AC Lost	Deassertion event: Power Supply AC lost
Depart	12/27/2012 1:59:24 AM	156	Power Supply	PSU2 AC Lost	Assertion event: Power Supply AC lost
Report	12/27/2012 1:59:22 AM	156	Power Supply	PSU2 AC Lost	Deassertion event: Power Supply AC lost
Management	12/26/2012 6:41:52 PM	156	Power Supply	PSU2 AC Lost	Assertion event: Power Supply AC lost
Server	12/26/2012 6:41:49 PM	156	Power Supply	PSU2 AC Lost	Deassertion event: Power Supply AC lost
Configuration	12/26/2012 5:45:26 PM	156	Power Supply	PSU2 AC Lost	Assertion event: Power Supply AC lost
comgaration	12/26/2012 5:45:23 PM	156	Power Supply	PSU2 AC Lost	Deassertion event: Power Supply AC lost
	12/26/2012 12:52:00 AM	52	Memory	VCORE1	Deassertion event: Lower Non-recoverable going lo
	12/26/2012 12:51:59 AM	52	Memory	VCORE1	Deassertion event: Lower Critical going low
	12/26/2012 12:51:59 AM	52	Memory	VCORE1	Deassertion event: Lower Non-critical going low
	12/26/2012 12:51:46 AM	52	Memory	VCORE1	Assertion event: Lower Non-recoverable going low
	12/26/2012 12:51:45 AM	52	Memory	VCORE1	Assertion event: Lower Critical going low

SEL Setting allows you to enable or disable the SEL Backup Function, and set the upper limit of SEL usage.





When SEL entries in IPMI device reach the upper limit of SEL Usage (in percent), the ASWM Enterprise will backup and then clean them until the remaining occupies a lower ratio (in percent) of SEL usage.

4.9 BIOS Flash

BIOS Flash screen displays your current BIOS information and you can configure the settings of BIOS Flash.

Click **BIOS Flash Type > Manual Upload BIOS ROM File** to manually upload the BIOS ROM, or select **ASUS BIOS Live Update** to automatically detect and download the latest BIOS from ASUS Support Website.

ASWM	l Enterpris	E	Version 1.3.
Monitor	BIOS Flash		C Return
Account	BIOS Information		
	Manufacturer Name:	ASUSTEK COMPUTER INC.	
	System Product Name:	TS700-E7-RS8	
Deployment	Base Board Product Name:	Z9PE-D16 Series	
Hundgement	Vender Name:	American Megatrends Inc.	
Centralized	BIOS Version:	3301	
Management	BIOS Build Date:	20121109	
Areport Management	BIOS Flash Informatio	n	
en Conjor	BIOS Flash Type:	Manual Upload BIOS ROM File +	
Configuration	Upload BIOS:	Upload	
ganaaa	The Upload BIOS Version:		BIOS
	Automatic Reboot:	Reboot After BIOS Flash	De la constante
	Locator LED:	Turn On	Flash
	BIOS Update Message:	Please upload the BIOS ROM file first.	Tuon
Administrator Admin	_		



- Click **Reboot After BIOS Flash** if you would like to reboot your system after updating the BIOS.
- If you have installed BMC card to your system, you can click to turn on the Locator LED if needed.

The latest BIOS version will be displayed if the new BIOS is detected. You can also click The Latest BIOS Version: 3301 to check the release note of this version.

ŀ	SWM	l Enterpris	5E	Version 1.3.
-	Monitor	BIOS Flash		C Return
-	Account	BIOS Information		
\square	Management	Manufacturer Name:	ASUSTeK COMPUTER INC.	
		System Product Name:	TS700-E7-R58	
1	Management	Base Board Product Name:	Z9PE-D16 Series	
	Hundgement	Vender Name:	American Megatrends Inc.	
12	Centralized	BIOS Version:	3301	
-	Management	BIOS Build Date:	20121109	
12	Report			
9	Management	BIOS Flash Informatio	m	
ath.	Server	BIOS Flash Type:	ASUS BIOS Live Update *	
	Configuration	The Latest BIOS Version:	3301 📷	
		Automatic Reboot:	Reboot After BIOS Flash	BIOS
		Locator LED:	Turn On	
				Flash
		BIOS Update Message:	Please click the Flash Button to start the BIOS Flash process.	
*	Administrator Admin			
	LogOut			

4.10 Configuration

4.10.1 Information

Click **Edit Information** to relocate this client computer to another group or change its **Alias Name**.

Click **Uninstall Client** if you want to remove the ASWM Enterprise Agent from this computer.





Add or delete groups in Server Configuration > ASWM Group.

4.10.2 Network

You can remotely control the network to enable / disable the DHCP, configure IP addresses and DNS, and change the Subnet Mask and Default Gateway.

The **Enable connection failure recovery** setting ensures that if the network configuration test fails, the system will automatically revert to the original network settings.



4.10.3 Notification

You can set up the notification types, including sending SNMP Traps and Emails, or you can just keep the event logs.

SNMP Trap Setting

You can manually enter the **Community** and **Receive Address** of SNMP Trap or click the amplifier button to select the built SNMP Trap profile.

Configuration - Windows	Internet Explorer			-		-	
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Monitor	Configuratio	n					C Return
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Benert	Sensorliame	SNMP Trap	Email	Evert Log	ONormal	Warning	Critical
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	Backplane1 HD4			60	8	60	10
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	» SensorType: Tempera	fure (4 個現田)					
	# SensorType: Voltage	(14 個加田)					1000
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Email Setting

You can select the E-mail address from your contacts or manually enter the E-mail address. Use semicolons if you have more than one receivers.

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Centralized Management Report Management Server Configuration	Sensofiane HM-Sensof (23 6538) A Sensof Tyse: Dive Ste Bolgiane1 HD1 Bolgiane1 HD1 Bolgiane1 HD3	Erwin@asus.c		Event Log	ONormal	Ndd Warning	Save Cear
Centralized Management Report Management Server Configuration	Sessoriane Hill Server (20 8015) 5 Sessor (20 8015) Backslane1 HD1 Backslane1 HD3 Backslane1 HD3 Backslane1 HD4	Erwin@asus.c		Event Log	- / /	Ndd Warning W Warning W W W W W W W W	Save Ceer
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Centralized Management Report Management Server Configuration	Secontiane 1974 Sensor (20 8028) a Sensorthope Dinest Backglanet Hot Backglanet Hot Backglanet Hot 2 Sensorthope Feel Ba 5 Sensorthope Tentes 5 Sensorthope Tentes	Erwingasus.c	om Email	Sect Liq	Normal	Vide	Seve Cher
Centralized Management Report Management Server Configuration	Senartiane Interactional Senartian Bacigienes (PS 6000) Bacigienes (PD Bacigienes (PD Bacigienes (PD Bacigienes (PD Bacigienes (PD Bacigienes (PD) Bacigienes	Erwingasus c SMMP Trap (4 4498) (1 (1 (1 (1 (1 (1)) (1 (1)) (1 (1)) (1)		C Frent Liq	ONormal ONormal ONormal O	Ndd	Save Coar

Customizing notifications for each sensor

You can the select the notification methods of each sensor, Hardware and Utilization.

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ASWM	l Enterpi	rise					Version	1.3.7	
Monitor	Configuratio	on					C Retu	m	
Account Management	Information Netwo	ark Notifica	tion						
Deployment Management	Commun	ity :							
Centralized Management	Receive Addr	ess :					Save Cear		
Denert	Sensortiame	Show Trap	Email	Event Log	ONormal	Warning	Critical		
Management	 HW_Sensor (27 items) 								
Management	a SensorType: Drive S	lot (4 items)		100					
■ Server	Reckpienes HDS								
Configuration	Backgranes HOU			2	21	2	2		
-	Backplane1 HO3					2		Scroll	down fo
	Beckgrane 1 HO4	(1.000)			60				
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4.11 Remote Control

Remote Control allows you to open the Remote Desktop and control the client remotely.

1. Click Connect to allow the Remote Desktop Connection.



2. Cofirm the name of the remote computer and click **Connect** to start the connection.

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You have to enable the Remote Desktop on your client computer before using the remote control function.



4.12 ThinClient features

When monitoring a ThinClient, the Function Area will be different from that of a Server's function area in the following:

- 1. HW sensor changes to EWF (see below)
- 2. BMC changes to Security (see below)





The ThinClient is powered on through WOL, ensure that the Switch / Router can forward WOL packet.

4.12.1 EWF (Enhanced Write Filter)

When monitoring the ThinClient, you can view and configure the EWF (Enhanced Write Filter).





To configure the EWF:

1. Click **Edit Setting** to configure EWF. The background turns to yellow and the EWF become configurable.



- 2. Double-click the Partition that you want to change the EWF. When the EWF configuration dialog box appears, select different options from the Pending Command dropdown list to change the partition's EWF status, including:
 - No Command: Keeps current EWF or removes the previous Pending Command).
 - Enable: Enables EWF.
 - Disable: Disables EWF.
 - Commit And Disable: Write the changes of all the files to the hard drive and disable EWF.

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ASWM	l Enterprise		Version 1:3.8
Monitor	Enhanced Write Filter (EW	F)	C Return
Account Management	Enhanced Write Filter: Overview Enhanced Write Filter: Volume Details		- A Market -
Deployment Management	Volume Name: Drive Letter:	\Device\HarddiskVolume1	
Centralized Management	EWF Type: EWF Status:	RAM_Reg Disabled	
Beport Management	Clump Size: Hemory Space for Data:	512.00 Bytes O Byte	
Server Configuration	Memory Space for Mapping: Pending Command:	0 Byte	
		Enable Disable Commit Commit And Disable No Command	
Administrator	HORM Status: HORM Support will end east to support HORM, you must shalle	East far all partition.	Der Der

3. When finish, click Save to save the changes.



Configure HORM (Hibernate Once, Resume Many)

1. You can configure HORM while setting EWF. Ensure to enable EWF of each partition when enabling HORM function.



While enabling the HORM function, put the system to hibernate mode..

2. After finish configuring EWF and HORM, click **Save** and the Client settings will update immediately.

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ASWN	/ En	terprise			Version 1.3.7
Monitor	Enhan	iced Write Filter (EWF	•)		C Return
Account	Enhan	ced Write filter: Overview		netter in	
Management	Drive Leth	er + Volume Name	Type	Status	Fending Command
Deployment Management	D	Device/Harddak/Valume2	RAM_Reg	Disabled	Enable
Centralized Management					
Report Management					
Server Configuration					
Administrator	HORM S	Status: W HORM Support want to support HORM, you must trable t	WF for all partition.		
Logo					Seve Cantal



The Client may reboot for one or several times for the EWF configuration to take effect.

Chapter 3: Client Monitor Information Download from Www.Somanuals.com. All Manuals Search And Download.

Appendix

This appendix includes a glossary of terms used in this document.

information Reference

A.1 Glossary

Community

Users can define their own SNMP trap community for a clearer categorization and convenient management of SNMP traps.

Backplane

A circuit board with sockets in which additional devices can be plugged.

Event Notifier

This sends a message to administrators/users When sensors detect changes in the system.

IIS

Internet Information Server. A web server built into Windows NT and later.

IPMI

Intelligent Platform Management Interface. It is a type of firmware which continues to monitor the system's hardware even after a crash or the system has shut down.

Service

A Windows program that runs in the background to perform a certain function when required such as programs for handling print jobs, e-mail or network connectivity.

SMTP

Simple Mail Transfer Protocol. The protocol used for transferring e-mail over a network.

SNMP

Simple Network Management Protocol. A TCP/IP protocol that transmits hardware or software status messages over the Internet.

A.2 Agent Function Comparison Table

Function	Modules	Sub-items	Agent Type			
Category			Win (Server)	Win (TC)	Linux	
	OverView		•	•	•	
	Client Detail					
	Information		•	•	•	
	HW Sensor	FAN	•	-	•	
		Temperature	•	-	•	
		Voltage	•	-	•	
		Backplane	•	-	•	
		Chassis Intrusion	•	-	•	
	Inventory	Disk Information	•	•	•	
		Device Management	•	•	-	
		ASWM Log	•	•	-	
	Event Lea	System	•	•	-	
	LVent Log	Application	•	•	-	
		Security	•	•	-	
		CPU	•	•	•	
	Utilization	DIMM	•	•	•	
		Network	•	•	•	
		Partition	•	•	•	
		Application	•	•	-	
Monitor	Software	Service	•	•	-	
		Process	•	•	-	
		Environment			_	
		Variables		-	_	
	Remote Control		•	•	-	
	BMC	Basic Information	•	-	•	
		LAN Information	•	-	•	
		BMC SEL	•	-	-	
		SEL Setting	•	-	-	
	BIOS Flash	BIOS Information	•	•	•	
		WinFlash	•	•	-	
	Power Control	Reboot	•	•	•	
		Shutdown	•	•	•	
		Power On	•	•	•	
	EWF		-	•	-	
	Security	USB Control	•	•	-	
		Registry Control	•	•	-	
	Configuration	Notification	•	•	-	
		Network	•	•	-	
		Client Information	•	•	•	

Function Category	Modules	Sub-items	Agent Type			
			Win (Server)	Win (TC)	Linux	
Deployment Management	Deploy New Agent	Automatically Deploy	•	•	-	
		Manually Deploy	•	•	-	
		Discover Clients with preload service	-	•	-	
	Remove Agent	Remove Agent on main server	•	•	•	
		Remove Agent by Scanning the AD	•	•	-	
Centralized Management	BIOS Flash		•	-	-	
	Remote Control		•	•	-	
	Power Control		•	•	•	
Report Management	Asset Report Management	Basic Information	•	•	•	
		Processor	•	•	•	
		Memory	•	•	•	
		Disk	•	•	•	
		RAID	•	•	•	
		NIC	•	•	•	

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http://auto.somanuals.com TV manuals search

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