Advanced Device Manager (ADM) v 4.0

Administrator Guide

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1 Introduction

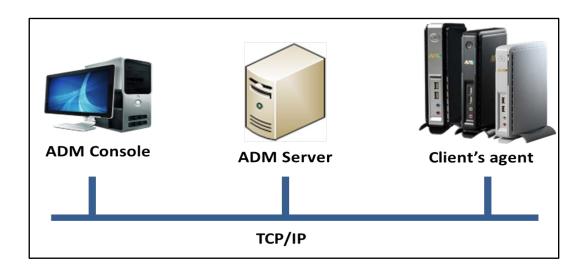
Advanced Device Manager (ADM) is the next generation management tool to replace of previous version of Advanced Management Software (AMS). It delivers centrally monitoring & control, software distribution, update management, asset management, grouping and remote assistance to your network while providing superior security, performance, mobilization and TCO.

This release has several new functions and features which includes the ability to perform operations on groups and/or individually selected devices providing a simple, time-saving method for configuring and updating multiple devices. With new search function, you can discover a specified client by IP or MAC address. It also allows to managing multiple servers & subnets via one console in a large network.

ADM is ideal for small, mid-size businesses and large enterprises looking to reduce the cost and complexity associated with individual desktop installations. With this software, SMBs and enterprises can provide fast, secure and centrally managed access to any application for authorized users in their organization. ADM comes bundled with all thin clients. It provides comprehensive management control for smaller installations as well as scales up to hundreds of thousands of clients.

1-1 System Architecture

The Advanced Device Manager (ADM) consists of ADM server, console and client's agent. The following illustration shows how the ADM server, console and client's agent interactive and communicate between each other.



1-2 About This Guide

This guide provides the step-by-step instructions you need to install and configure an ADM environment. It also includes the requirements you must address before you begin the installation procedures.

This guide is intended for experienced network administrators and Information Technology members who have installed and configured ADM on Windows server.

1-3 Finding the Information You Need in this Guide

You can use either the Search window or Find toolbar to locate a word, series of words, or partial word in an active PDF document. For detailed information on using these features, refer to the Help in your PDF reader.

2 Preparing for Installation

2-1 Before Installation

- Obtain and configure all hardware and software, as necessary (see "Hardware Requirements" and "Software Requirements" in page 7).
 CAUTION: It is required that you do not install ADM on any server which is currently dedicated to other tasks (such as a Domain Controller, Backup Controller, Mail Server, Production Web Server, DHCP Server, MSMQ Server, Application Server, and so on). It is highly recommended that ADM be installed on a server that is dedicated to ADM services.
- ✓ Install a supported operating system on the machine to which ADM will be installed.
- ✓ Be sure that all systems are up-to-date with current Microsoft service packs, patches and updates (see "Software Requirements").
- ✓ Ensure that no other applications requiring IIS and FTP are running on the machine to which ADM is installed.
- Ensure that all required communications ports are available and open for proper communication between servers, routers, and switches (see "Communication Port Requirements").
- Ensure you have access to your operating system CD-ROM and your Microsoft Windows System files for use during your installation.
 NOTE: During ADM installation ADM checks the system to determine if all required software is present. If required software is not present, ADM indicates which software is missing. Some required third-party software is included with the ADM software, while other software is available from your operating system CD-ROM or from the network location for Microsoft Windows system files (usually the i386 folder).
- ✓ Uninstall the AMS console and server (if any) to ensure your devices are discovered by new ADM.

2-2 Hardware Requirements

Depending on your operating system, be sure the machine(s) to which you will install ADM meets or exceeds the minimum system requirements for 32-bit operating systems or for 64-bit operating systems (as these are general guidelines, be sure to refer to your operating system documentation for details on hardware requirements).

- 2.4 GHz 32-bit or 64-bit processor
- 4 GB of system memory
- 40GB hard drive with at least 15 GB of available space

IMPORTANT: The actual free space required depends on the number and size of the packages you register, as well as number of devices you will be managing (the image size of the firmware). The minimum free space shown assumes the image size of the firmware and packages require that amount of space.

2-3 Software Requirements

ADM supports the English versions of software enclosed

- Windows Server 2003 (32-bit)
- Windows Server 2008 R2 (32-bit)
- Windows Server 2008 R2 (64-bit)
- Windows 7 (32-bit)
- Windows 7 (64-bit)

By default, ADM installs Microsoft .NET Framework 3.5.1 or above is highly recommended.

The ADM server will use Web and FTP services, please ensure that

- Disable Internet Information Services (IIS) if it is active.
- Disable FTP service if it is active.

You must perform a custom setting in according to your server platform.

2-4 Communication Port Requirements

To perform ADM full range of management functions, it requires open certain ports on your servers, routers, switches and virus protection software. Below lists the ports ADM uses and describes the respective communication protocols and their function (ensure that these ports are open for proper communication between servers).

Role	Protocol/Service	Port	Function
Console	ТСР	8635	Communicate with the server
	FTP	21	Send files to the server
Server	НТТР	8080	Communicate with the client
	ТСР	8635	Communicate with the console
	UDP	8634	Broadcast to the
		8636	client
	FTP	21	Receive files from the client
Client	НТТР	8080	Communicate with the server
	UDP	8634	Broadcast to the
		8636	server
	FTP	21	Send files to the server

2-5 Supported Client Firmware

Depending on the thin client operating system, be sure the device(s) to which you will connect to ADM meets the system requirements below.

- WEC 7 v7.0.013 or above
- WES 2009 v1.15.1 or above
- WES 7 v2.x7 or above
- Linux 2.0 v2.2.1 or above

3. Installation ADM system

This section walks you through the process before install the ADM software that to allow Administrator easy to set up the ADM system in their environment.

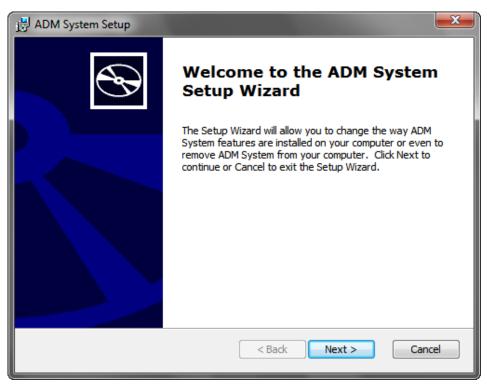
Caution: Be sure you have completed all pre-installation requirements as described in "Preparing for Installation" before you begin installing ADM system.

ADM system installs the following ADM roles on a single server:

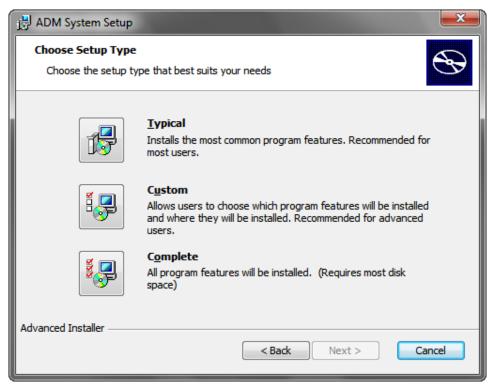
- **ADM Server** Control the client action like power control, remote access, group auto-configuration.
- ADM Console Advanced user interface for configuring and monitoring the system.

3-1 ADM Installation Procedure

Double-click the **ADM4.0.00x.msi** file to begin the ADM installation. Click **Next** to continue the ADM system Setup.



Follow the instruction to continue the installation.



Select the way you want to install, and then click **Next**.

i ADM System Setup	×
Custom Setup Select the way you want features to be installed.	\odot
Click on the icons in the tree below to change the	way features will be installed.
ADM Server ADM Console	ADM Server
	This feature requires 2680KB on your hard drive.
Location: C:\Program Files (x86)\ADM System	n\ Browse
	Back Next > Cancel

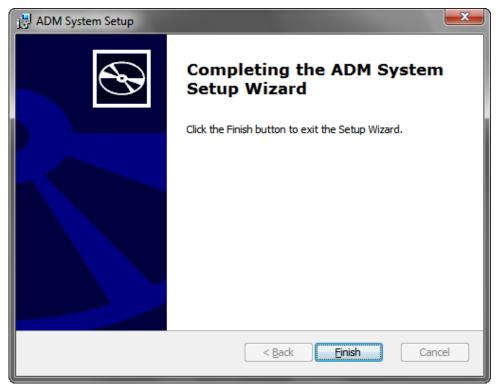
Click Install to begin the installation.

ADM System Setup	×
Ready to Install The Setup Wizard is ready to begin the Custom installation	Ð
Click Install to begin the installation. If you want to review or change any of your installation settings, dick Back. Click Cancel to exit the wizard.	
Advanced Installer < Back Install Car	ıcel

Installing ADM system, please wait a few seconds.

🛃 ADM System	Setup	×
Installing A	DM System	\mathfrak{B}
Please wa minutes. Status:	ait while the Setup Wizard installs ADM System. This may take several	
		-
Advanced Installe		ancel

Click **Finish** to complete ADM installation.



3-2 Uninstall ADM

When using a Microsoft Windows remove program feature (such as Add and Remove Programs or Programs and Features) to remove ADM, it is easier to remove the ADM by double-click the ADM System icon and launch the uninstallation procedure.

3-3 ADM System Settings

This section describes how to change ADM settings. ADM settings consist of ADM Console settings, ADM server settings and Add ADM server management. It provides information on using the settings within your ADM environment, and administrator can easily perform company's security policy through these settings.

3-3-1 Adding Other ADM Server

ADM Console provides connecting multi-server (ADM server), you are able to manager more devices though multi-server. Please click **Add Server** icon as below figure (Toolbar icon) and open an Add an ADM Server dialog box. Enter another server IP address or domain name, port, username and password (the details refer "<u>Adding an ADM Server</u>" on section 4-1). If add a server to ADM Console is successful, you will see new ADM server in tree pane.

Figure: Add Server Icon



Figure: Add an ADM Server Dialog Box

Add an ADM S	erver	8
Server Infor Server :	mation 192.168.2.104	OK
Port :	(IP Address or Domain Name) 8635 🗸 🗸	Cancel
Username :	Admin 👻	
Password :	•••••	

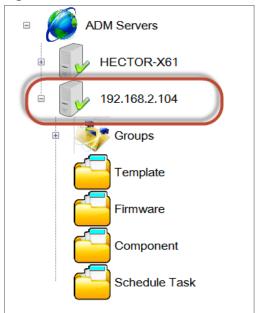


Figure: New ADM Server in ADM Servers of Tree Pane

3-3-2 ADM Console Settings

You can change AMD Console settings to meet your operating habit. Please click **Console Settings** icon as below figure (Toolbar icon) and open a **Console Settings** dialog box.

Figure: Console Settings Icon



On Option tab, you can select below option

- Loading server list at ADM Console is startup.
- Connecting server automatically after loading server list.
- Saving server list when you close ADM Console.
- ADM Console is reconnected when you lost connection.
- Windows is maximized or minimized when you open ADM Consol.

Figure: Option Tab of Console Settings Dialog Box

Console Settings
Option Advance
Server V Load Server list at Console startup.
Auto connect to server after loading server list.
Save Server list when Closing.
Reconnect Image: Auto reconnect when lost connection Reconnect Time Interval (sec) :
Windows
Maximized window when console startup
Minimized window when console startup
OK Cancel

On **Advance** tab, you can select full screen or adjust screen size when using RDP Window.

Figure: Advance	Tab of	Console	Settings	Dialog	Box
-----------------	--------	---------	----------	--------	-----

Console Settings	
Option Advance	
RDP Window	
📄 Full Screen	
Width	1024 Height 768
	OK Cancel

3-3-3 ADM Server Settings

If default system value don't meet security policy, ADM Console provide settings for ADM server, you can adjust these settings to perform to perform company's security policy. Please select an ADM server from tree pane and click **Server Settings** icon as below figure (Toolbar icon), and then open a **Server Settings** dialog box.

Figure: Server Settings Icon

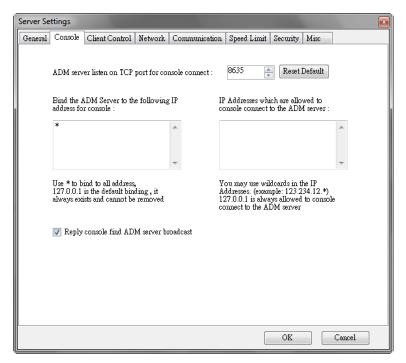
f			
	-		
1		30	

On **General** tab, you can set up server connection settings, including server use TCP/UDP port, FTP use TCP port, FTP default password and other options. For system, can set up numbers of threads and save data broadcast interval.

Figure: General Tab of Server Settings Dialog Box

Server Settings
General Console Client Control Network Communication Speed Limit Security Misc
Connection settings
Server use TCP port : 8080 💭 (Default: 8080) Reset Default
Server use UDP port : 8634 🚔 (Default: 8634)
File transfer use TCP port : 21 List of ports between 1 and 65535
File transfer default password : ****
🥅 Allow Admin login file server 📝 Allow ADM-FTP login file server
Bind the ADM server to the following IP for file transfer: (* to bind to All)
*
Max. concurrent transfer : 0 💭 (0 for Unlimit)
System
Number of Threads : 64 + 4-1024, Increase this value if you need many tasks running at same time
Automatic save datas to disk time interval : 900 🚖 (min:60 , Default: 900)
OK Cancel

On **Console** tab, you can set up ADM Server listen TCP port, ADM Console will be connect to ADM Server through this TCP port. Also limit ADM Console IP address or bind ADM Server IP address. Besides, you can allow ADM Console find ADM Server through using broadcast. Figure: Console Tab of Server Settings Dialog Box



On **Client Control** tab, you can set up device connection settings, including client use TCP/UDP port, retry maximize times (including connect/action fail retry) and command send/receive timeout. For system, can set up broadcast interval and save data broadcast interval.

Figure: Client Control Tab of Server Settings Dialog Box

Server Settings
General Console Client Control Network Communication Speed Limit Security Misc
Connection
Client use TCP port : 8080 🜩 (Default: 8080) Reset Default
Client use UDP port : (Default: 8636)
Connect fail retry maximize times : 3 🚔 Timeout (sec) : 60 🚔
Action fail retry maximize times : 1 🚔 Timeout (sec) : 300 🛋
Comm. send timeout (sec) 10 🚖 Comm. receive timeout (sec): 10 🚔
System
Server send broadcast packet to discover clients
Broadcast Interval : 60 (0 for no timeout, 60 for default)
Automatic save datas to disk time interval : 200 📄 In seconds (120 for default)
OK Cancel

On **Network** tab, you can maintain managed subnet or IP address to manage the device that IP address is specific range.

Server Se	ttings							×
General	Console	Client Control	Network	Communication	Speed Limit	Security	Misc	
Ple ma	ase Input maged subi	net or IP Address						
	Broado 255.25	:ast: 55.255.255] -		Add Delete	
	Specify 192.16	y segment: 18.0.255					Modify	
	Specify 192.16	y IP: 8.0.1				R	leset All	
	Specify 192.16	y IP range: 8.0.1-255						
						OK		Cancel

Figure: Network Tab of Server Settings Dialog Box

On **Communication** tab, you can set up timeout (including connections timeout, no transfer timeout and login timeout) and buffer size (including internal transfer buffer size and socket buffer size). When enter 0 seconds in timeout settings, it is not timeout.

Figure: Communication Tab of Server Settings Dialog Box

Server Settings					
General Console Client Control	Network	Communia	ation	Speed Limit Security Misc	
Timeout settings					
Connections timeout :	120	×	in sec 120 fi	conds (1-9999, 0 for not timeout , for default)	
No Transfer timeout :	120	▲ ▼	120 f	conds (1-9999, 0 for no timeout, for default). This value specifies me a connection no any response.	
Login timeout :	60	▲ ▼	60 fo:	conds (1–9999, 0 for no timeout, r default). This value specifies the in which a new connection do	
Buffer settings					
Internal transfer buffer size:	32768	▲ ▼	Byte	(default:32768)	
Socket buffer size:	65536	×	Byte	(default:65536)	
				OK Cancel	

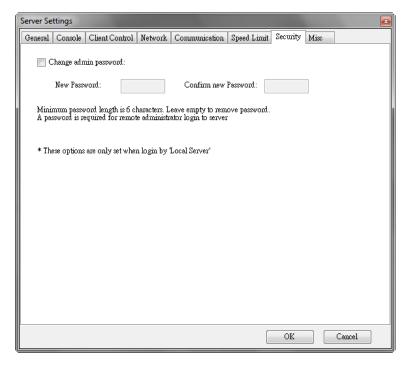
On **Speed Limit** tab, you can adjust download speed limit and upload speed limit for FTP file.

Server Settings				×
General Console Client Control	Network Communication	Speed Limit S	ecurity Misc	
Download Speed Limit				
No Limit	Constant Speed Limit of	10	kB/s	
Upload Speed Limit				
No Limit	Constant Speed Limit of	10	kB/s	
			OK	Cancel

Figure: Speed Limit Tab of Server Settings Dialog Box

On Security tab, you can change the password that account is "Admin" when need to login ADM server (for example, add a server From ADM Console). Minimum length is 6 characters, the password is removed if leave empty.

Figure: Security Tab of Server Settings Dialog Box



On **Misc.** tab, you can change wakeup on LAN settings, including WOL use port, WOL packet, retry times and interval.

Server Settings
General Console Client Control Network Communication Speed Limit Security Misc
Wake up on LAN
WOL use port : 2304 (Default:2304) Reset Default
WOL packet:
Broadcast send to 255.255.255
✓ Broadcast send to subnet
maximize retry times: 5 🛓 Interval: 60 🚔
OK Cancel

Figure: MISC Tab of Server Settings Dialog Box

4 Getting Started

This chapter provides a brief overview of the functional areas within the ADM Console. It also provides important information and instructions on the system to help you quickly get started as a thin client administrator.

4-1 Add an ADM Server

Before use ADM Console, system will demand you to add an ADM server. Because the device was managed through ADM server, so you also need to manage ADM server.

Please enter below server information to add an ADM server.

- Server: ADM Server IP address or server name (default IP is 127.0.0.1)
- Port: Console use port to manage server (default port is 8635)
- Username: Login server username (default username is Admin)
- Password: Login server password (default password is Admin#1)

***Tip**: If ADM Server and ADM Console be installed in the same computer, you can enter server name "localhost" or IP address **127.0.0.1**. This IP address is a special purpose address reserved for use on each computer. If ADM Server be installed in another computer, you must enter another computer's IP address in network.

Figure: Add a ADM Server Dialog Box

Add an ADM S	Server		E
Server Infor Server :	mation localhost(127.0.0.1)	_	OK
Derver .	(IP Address or Domain Name)	•	Cancel
Port :	8635	•	
Username :	Admin	•	
Password :	•••••		

4-2 Getting to Know the ADM Console

This section contains an overview of the areas and tools that comprise the ADM Console (details on each item in the console are provided in their respective chapters of this guide).

ADM Console allows you to quickly view information about the device, helps you to easily perform all of the device-management, and simply maintains ADM environment.

ADM Console						_ 0 ×
ADM Explorer 📮	ADM Co	nsole				-
		1				
ADM Servers						
HECTOR-X61						
Groups						
Undefined	Quick	Start Tips				
Financial Unit			er to start mana	<u>ge the clients.</u>		
Template	Dou	ble click the s	pecified group o	or undefined group	to view the clients.	
Frimware						
Component	Communicatio	n				Ţ.
Schedule Task	Server	Client	Action	Filename	Progress	Rate
				1		•
	😇 Task 😨 Ev	ents 🤤 Commu	nication			

Figure: ADM Console Interface

In this console, there are four operating areas as below:

- **Toolbar Icon:** Configure your ADM Console preferences and environment designs so that it meets your management needs.
- **Tree pane:** List each ADM server and functions of ADM Console to manage the device.
- **Console page:** Show that you are running functions, and each function would create different console page. You can switch these console pages and operate these functions quickly at any time.
- **Message list:** Show each task running information, system event information and communication information.

ADM Console						
ADM Explorer 4	DM Console 🖲 HECTOR	-X61-Undefined	HECTOR-X61-Financia	l Unit 💿 Template(HEC	TOR-X61)	₹ ×
🦕 🖳 🔜 💽 🚺		WINDOWS-DROOK	IE _ Device Informatio	RAM 1659 MB	Platform Embedded 7 Version WES7-2.57.4-20130	218
ADM Servers	A9SD90	WIN-001F1E02E4B 001F1E02E4B1	Bevice Informatio	RAM 1659 MB	Platform Embedded 7 Version WES7-2.46.4-20130	218
HECTOR-X6	AS 3Serial XP	SPRING50815-PC 005056C00001	Device Informatio	PAM 4005 MP	Platform Embedded 7 Version 1.0.1000	
Groups	AS 3Serial XP	SPRING50815-PC 005056C00008	Device Informatio	PAM 4095 MR	Platform Embedded 7 Version 1.0.1000	
	AS 3Serial XP	SPRING50815-PC BCAEC56B98A3	Device Informatio	PAM 4005 MP	Platform Embedded 7 Version 1.0.1000	
Financia	■ ↓ № 85%P	WIN-001F1E01010 001F1E010104	Device Informatio	n RAM 958 MB I Flash 1925 MB	Platform XP Embedded Version WES2009-sp3-thai-2	012
Template	55XP	JJ 001F1E023CD5	Device Informatio	PAM 1002 MD	Platform XP Embedded Version WES2009-sp3-thai-2	012
Frimware						
Componen	Task					ą
		Start Act	tion	Message		Finish
Schedule T		Co	nnect	Send Query all information		
	•		m			•
۰ III +	Task Streets Scommunic	ation				

Figure: ADM Console Page Interface

4-3 Completing ADM Authentication

Although you have started to use ADM Console and see a list all of the device, but you can't manage them. You must obtain the authorization of the device successfully, the functions be able to run properly.

Please double-click **Undefined** from tree pane and you will see a list of the device on **Group** console page. Please selecting a device, using right-click context menu and choose **ADM Authentication** to open an ADM Authentication dialog box. You must enter the password "**Admin#1**" (default password) to complete **ADM Authentication**.

Figure: Un-Complete ADM Authentication Icon



***Tip**: Device must not be authenticated, so that you are able to complete the ADM authentication.

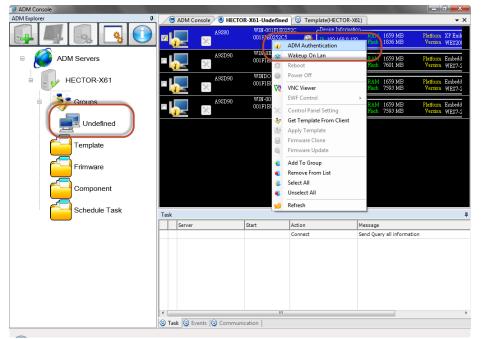


Figure: Using Right-Click Context Menu for completing ADM Authorization

Figure: ADM Authentication Dialog Box

ADM Authentication	
Password:	444
OK Cancel	444

Figure: Complete ADM Authentication Status

ADM Console					- 0 - X
ADM Explorer 4	ADM Console 🖉 HECT	OR-X61-Undefined			• ×
	A9580	WIN-001F1E0252C 001F1E0252C5	IP 192.168.0.129		n XP Embedded n WES2009-1.1
ADM Servers	A9SD90	WIN-8EPPPD55CH1 001F1E02D836	P 192.168.0.159	RAM 1659 MB Platform Plash 7601 MB Versio	n Embedded 7 n WES7-2.36.2-
HECTOR-X61	A9SD90	WINDOWS-DR90KJE 001F1E02E4A6	P 192.168.0.143		n Embedded 7 n WES7-2.57.4-
Groups	■ ↓ ■ ▲ A9SD90	WIN-001F1E02E4B 001F1E02E4B1	Device Information	RAM 1659 MB Platforr Flash 7593 MB Versio	n Embedded 7 n WES7-2.46.4-
Template					
Component					
Schedule Task	Task				ņ
	Server	Start Action	Mes	sage	
		Connect	Send	d Query all information	
		m			•
	😨 Task 😨 Events 😨 Commu	inication			

4-4 Using Right-Click Context Menu

ADM provide friendly interface, and assist you can easily manage your device. When you have completed ADM Authentication, then you are able to use right-click context menu on each device from **Group** console page.

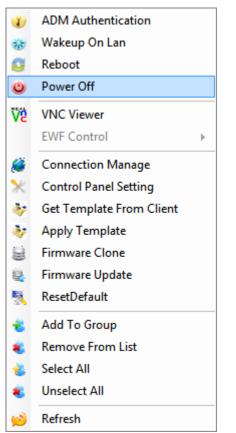


Figure: Right-Click Context Menu for the Device

Right-click context menu consist of device manager, firmware manager, template manager and list management. For list management, you are able to usefully manage the list all of device through right-click context menu. The main functions are as following (as for other functions, please refer related chapter):

- Add to Group: Assign the device to different group.
- Remove From List: Remove the device from list.
- Select All: Select all of device.
- Unselect All: Cancel all of device been selected.
- **Refresh**: Refresh information of the list and research the device.

On **ADM Servers** of tree pane, you are able to use right-click context menu to add an ADM server.

Figure: Right-Click Context Menu for ADM Servers of Tree Pane

+ Add Server

On server name of tree pane, you are able to use right-click context menu to manage an ADM server. The functions are as following:

- **Disconnect**: Disconnect this server.
- Add Group: Add a Group in this ADM server.
- **Remove Server**: Remove this server from ADM Console.
- Properties: Set up ADM server properties.

Figure: Right-Click Context Menu for Server Name of Tree Pane

×	Disconnect
+	Add Group
×	Remove Server
\bigcirc	Properties

On **Groups** of tree pane, you are able to use right-click context menu to add a new group. The new group will be added to **Groups**.

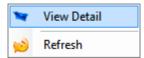
Figure: Right-Click Context Menu for Groups of Tree Pane



On **Template**, **Firmware**, **Component** and **Schedule Task** of tree pane, you are able to use right-click context menu to manage console page. The functions are as following:

- View Detail: Open related console page.
- **Refresh**: Refresh the data of related console page.

Figure: Right-Click Context Menu for Template, Firmware, Component and Schedule Task of Tree Pane



4-5 Knowing Your ADM Version

To display the ADM copyright information, version and build number, please click **Information** icon as below figure (Toolbar icon).

Figure: Information Icon



Figure: ADM Copyright and Version Information

About 🛛
ADM
Advanced Device Manager Ver. 4.0.0.12 Copyright © Astec Tech 2013
OK

4-6 Managing Group

This section provides a brief way that to assist thin client administrator simply manage the device. When there are many device need to be managed, we suggested that administrator set classification of the device and assign device that the properties are same to the same group, so that you are able to easily manage your device.

4-6-1 Create a New Group

You choose **Groups** from tree pane, and select **Add Group** from right-click menu, it will open **New Group** dialog box. Please enter the group name to finish, ADM Console create a new group, and then the new group be added to **Groups**.

ADM Console						- 0 - X-
ADM Explorer 4		ADM Console	R-X61-Undefined			• X
		A9580	WIN-001F1E02 001F1E0252C5		PAM 1650 MP	Platform XP Emb Version WES200
ADM Servers		A9SD90	WIN-8EPPPD55 001F1E02D836		DAM 1650 MD	Platform Embedd Version WES7-2
HECTOR-X61		A9SD90	WINDOWS-DR9 001F1E02E4A6		DAM 1650 MD	Platform Embedd Version WES7-2
B Greener	m	A9SD90	WIN-001F1E02 001F1E02E4B1		DAM 1650 MD	Platform Embedd Version WES7-2
Template						
Frimware						
Component						
Schedule Task	Task	k				Ļ
		Server	Start	Action	Message	
				Connect	Send Query all information	on
	•	· · · · · · · · · · · · · · · · · · ·		·		Þ
	Э Т	ask 🕞 Events 🕞 Communi	cation			

Figure: Add a New Group from Tree Pane

Figure: New Group Dialog Box

New Group		E
Group Info Server :	ormation Server	OK
Group :		Cancel

ADM Console			_ D <mark></mark> X_
ADM Explorer 4	ADM Console HECTOR-X61-Ur	defined	• ×
	A9S80 WIN-0	01F1E0252C Device Informati E0252C5 2 IP 192.168.0.12	DAM 1650 MD Distinger VD Reck
B ADM Servers		EPPPD55CH1 Device Informati E02D836 🚱 IP 192.168.0.15	PAM 1650 MD Platform Embedd
HECTOR-X61		OWS-DR90KJE E02E4A6 2 IP 192.168.0.14	DAM 1650 MD Distance Embadd
B Groups		01F1E02E4B E02E4B1 202 Informati IP 192.168.0.13	PAM 1650 MP Platform Embedd
Financial Unit Template Frimware Component	Task		ţ.
	Server Start	Action	Message
Schedule Task		Connect	Send Query all information
	•	m	•
	😇 Task 😨 Events 😨 Communication		
-			

Figure: Complete to Add a New Group

4-6-2 Edit Group Name

You choose a group that you want to modify name from **Groups** of tree pane, and select **Properties** from right-click menu, it will open **Group Properties** dialog box. Please modify the group name to finish.

Figure: New Group Dialog Box

Group Prope	rites	E
-Group Info Server :		OK
Group :	Financial Unit	Cancel

4-6-3 How to Assign Devices to Group

In **Undefined** group console page, it will automatically display all of undefined device. Please using right-click context menu with **Add To Group** for undefined

device, you must select an option from **Add to Group** dialog box, and then assign device to finish.

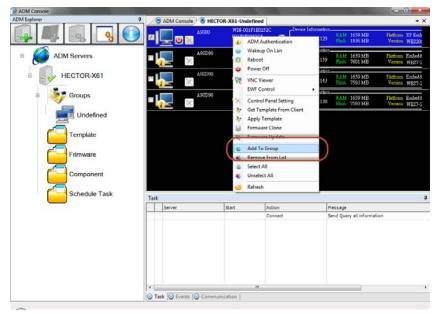


Figure: Use Add To Group from Right-Client Context Menu

Figure: Add To Group Dialog Box

Add To Group	
Group Information	OK
Group : Financial Unit	Cancel

Figure: Assign Device to New Group

ADM Console				-			- 0 - X
ADM Explorer 0	ADM Conso	le 🥘 HECTOR-	X61-Undefined)	B HE	OR-X61-Financial	Unit	- >
📮 📕 風 💽	- 💭 🛛 🖻	A9580	WIN-001F1E0252 001F1E0252C5	c Ø	Device Information	RAM 1659 MB Flisch 1886 MB	Platform XP Emb Version WES201
ADM Servers							
HECTOR-X61							
Groups							
Undefined							
Financial Unit							
Template							
Frimware							
Component	Task						
	Server	S	art /	Action	2	lessage	
Schedule Task				Connect	5	iend Query all informat	ion
	G Task G Events	10					
	Line Co Events	Communicat	son 1				

4-7 Managing Device

This chapter describes how to perform routine device management tasks using the ADM Console. It provides information on managing the devices within your ADM environment.

4-7-1 View Device Details and Status

Administrator can quickly view information of each device from **Group** console page, it is clear at a glance to help you to manage them usefully. The information is including device model, terminal name, mac address, IP address, ram size, flash size, operating system platform, firmware version and device status.

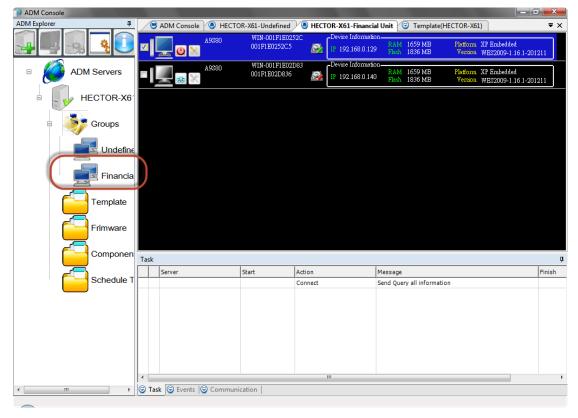
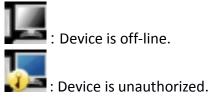


Figure: View Details of Each Device

Administrator can view current status of each device through below icons, and you are able to click on some of the icons to run the functions. The meanings are as follow:





🔤 : Device is on-line.

- i Click it to shut down the device.
- Elick it to wake the device on LAN.

Evice's EWF is disabled.



🜌 : Device's EWF is enabled.

Click it to load device's control panel settings.

4-7-2 Use Remote Control to Manage Device

If you need to troubleshoot device problems, ADM Console provide remote control (such as Wake on LAN, Reboot, Power off, EWF Control and Reset Default) to assist administrator mange the devices.

In Groups of tree pane, double-click a group name. Select the single device you want to control, choose a function from right-click context menu, and then this function will be run immediately.

*Caution:

- EWF Control is only supported on WES 7 and WES 2009 clients.
- Reset Default is only supported on WEC 7 and Astec Linux 2.0 clients.

Figure: Right-Click Context Menu for Remote Control

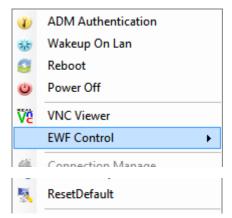


Figure: Right-Click Context Menu for EWF



4-7-3 Remote Shadowing Devices

It is very useful, administrator can view and control a device remotely (shadowing a device) to help a user with a particular application and to troubleshoot device problems.

In **Group** console page, please select the single device you want to view and choose **VNC Viewer** from right-click context menu. Enter session password "**Admin#1**" (default password) then see a **VNC View Window**.

Figure: VNC Authentication Dialog Box

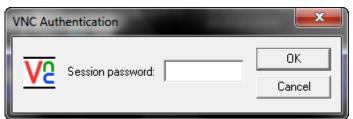


Figure: VNC View Window



4-7-4 Change Device Properties

Device properties consist of general, network, regional and advanced properties. ADM Console allows administrator can change these properties by using Control Panel Settings. You can easily maintain the properties of each device, and the device will apply the settings immediately.

In **Group** console page, please select the single device you want and choose **Control Panel Settings** from right-click context menu. Then you will open a **Control Panel Settings** window, it is a user interface for maintaining properties.

In side bar, there are four items. Each item also contains several of tabs. Depending on different thin client operating system, the properties that you want to change are not the same. Please refer table as following, it list all of operating system support device properties.

Items	Tabs	Details	WES 2009/ WES 7	WEC 7	Astec Linux 2.0
		Resolution		Х	Х
	Display	Colors		Х	Х
		Screen Saver		Х	Х
	Device	Terminal Name/Group	Х	Х	Х
	Device	Terminal Description		Х	X X X X X X
General	Kayboard	Character repeat		Х	Х
	Keyboard	Initial State		Х	Linux 2.0 X X X X X X X X X X X
		Mouse Orientation		Х	Х
	Mouse	Pointer Speed		Х	Х
	Sound	Volume		Х	Х
		Other Option		Х	
	Network	IP Address	х	Х	
Network	DNS	DNS Server	Х	Х	
		Wins Server	х	Х	
International		Time Zone		Х	Х
International	Regional	Keyboard Layout		Х	Х
	Terminal Pro	Terminal Properties		Х	Х
	Security	Administrator Password	х		
	User Interface	Shell Mode		Х	Х
Advance	VNC	Allow and Password	Х	Х	Х
		USB HID Device	Х	Х	
	Device Support	USB Mass Storage	Х	Х	Х

Table: List all of Operating System Support Device Properties

		Device			
		USB Printer	Х	Х	
	Remote	Connect	х	х	х
	Manage	Screen Saver	Х	Х	х
	Citrix	VDI Connect			Х

On **Display** tab of **General**, you can change display resolution, colors and wait minutes of screen saver.

Figure: Control Panel Settings Window – Display Tab of General

C	Control Panel Setting	25	٤
		Display Device Keyboard Mouse Sound	
	General	Desktop Area Resoultion 1024×768 - 60 -	
	24 International	Colors True Color (32 bit)	
	Advance	Screen Saver Wait 20 minutes	
		OK Can	ıcel

On **Device** tab of **General**, you can reset terminal name by MAC and change terminal name, terminal group and terminal description.

Display Device Keyboard Mouse Sound General Image: Constraints Image: Constraints Image: Constraints Network WTC001f1e027625 Image: Constraints
International Terminal Group: International Terminal Description: Compact-CE Compact-CE

Figure: Control Panel Settings Window – Device Tab of General

On **Keyboard** tab of **General**, you can change keyboard character repeat (including repeat delay and repeat rate) and keyboard initial state.

Figure: Control Panel Settings Window – Keyboard Tab of General

Control Panel Setting	gs	
Control Panel Setting General General Network	piplay Device Keyboard Mouse Sound Change keyboard character repeat Repeat Delay: Short Long Repeat Rete: Slow Fast Change keyboard initial state Enable Numlock on Startup	
	OK	Cancel

On **Mouse** tab of **General**, you can change mouse orientation (for example, righthanded or left-handed) and point speed.

	Display Device Keyboard Mouse Sound
General	Mouse Orientation
	Right-Handed A
Network	Ceft-Handed
A CONTRACTOR	Pointer speed
24	Change pointer move speed Acceleration:
International	Slow Fast
Advance	
	OK Cancel

Figure: Control Panel Settings Window – Mouse Tab of General

.

On **Mouse** tab of **General**, you can change volume (including Speaker and MIC) and point speed, enable sounds for events and application, and enable clicks and taps for key clicks.

Figure: Control Par	el Settings Window -	- Sound Tab of General
---------------------	----------------------	------------------------

Control Panel Settin	gs		
	Display Device Keyboard Me	iouse Sound	
General	Volume Loud		Soft
	Master	0	
Network	міс		
International	Notifications (al Enable clicks and taps for:	and system events) specific and all other sounds) larms, appointments and reminders) Loud Soft	
			OK Cancel

On Network tab of Network, you can set up IP address manually.

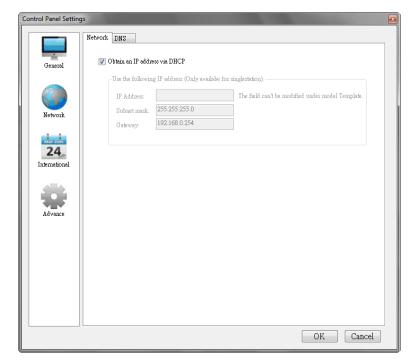


Figure: Control Panel Settings Window – Network Tab of Network

On **DNS** tab of **Network**, you can set up DNS server (primary or secondary) or Wins server (primary or secondary) manually.

Figure: Control Panel Settings Window – DNS Tab of Network

Control Panel Settin	ngs	E
	Network DNS	
General	Get DNS server addresses from DHCP server. Use the following DNS server addresses:	
Network	Primary DNS: Secondary DNS:	
24 International	Get Wins server addresses from DHCP server. Use the following Wins server addresses:	
Advance	Se he house and the server and testes. Primary Wins: Secondary Wins:	
	OK Cance	zl

On **Regional** tab of **International**, you can change time zone and default keyboard layout.

	Regional
General	Time
	Time Zone : (GMT +00:00) GMT Standard Time 🗸
Network	V Automatically adjust clock for daylight saving
	Keyboard
24	Default Keyboard Layout: German(Germany)
International	
Advance	
	OK Cancel

Figure: Control Panel Settings Window – Regional Tab of International

On **Security** tab of **Advance**, you can turn terminal properties on or off, or reset administrator/EWF password.

Figure: Control Panel Settings Window – Security Tab of Advance

Control Panel Setting	js
General	Security UserInterface VNC Device Support RemoteManage Citrix Terminal Properties (CE/LX) Hide Terminal Connection Configure Tab Ask Password for change property Password :
International	Confirm: Administrator Password (XPe) Reset Administrator /EWF password Password : Confirm:
	OK Cancel

On **User Interface** tab of **Advance**, you can change shell mode (including WBT and Desktop mode).

Control Panel Setting	λ, 	<u> </u>
	Security UserInterface VNC Device Support RemoteManage Citrix	
General	Window base terminal style (WBT) shell	
	Windows destop style shell.	
Network		
24 International		
Advance		
Auvalue		
	OK Can	ıcel

Figure: Control Panel Settings Window – User Interface Tab of Advance

On User **VNC** tab of **Advance**, you can change password for remote shadowing control, and allow that use remote shadowing control.

Figure: Control Panel Settings Window – VNC Tab of Advance

Control Panel Setting	gs 🛛 🕰
General General Network	Security UserInterface VNC Device Support RemoteManage Citrix Remote Shadowing Control Image: Control <t< th=""></t<>
Advance	
	OK Cancel

On **Device Support** tab of **Advance**, you can select supported USB device, including HID device, mass storage device and printer.

	Security UserInterface VNC Device Support RemoteManage Citrix
General	USB Device
	V Support USB mass stroage device
Network	☑ Support USB Printer
24 International	
Advance	
Auvance	
	OK Cancel

Control Panel Settings

Figure: Control Panel Settings Window – Device Support Tab of Advance

On **Remote Manage** tab of **Advance**, you can set up polling server for the device broadcasting to ADM server, or reset password for remote manage authorize.

Control Panel Setting	gs
	Security UserInterface VNC Device Support RemoteManage Citrix
General	Polling Server Interval: 60
Network	 Obtain Manage Server IP via DHCP Specify Manage Server IP IP Address :
24 International	TCP Port : 8080 UDP Port : 8634
	Always using TCP mode connecct to server.
Advance	Screen Saver Image: Screen Saver Image: Password for remote manage Authorize Password : ******* Confirm: *******
	OK Cancel

Figure: Control Panel Settings Window – Remote Manage Tab of Advance

On **Citrix** tab of **Advance**, you can select whether connect the device automatically for Citrix virtual desktop is running when a device is connected.

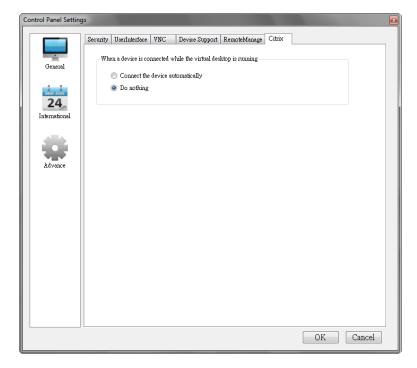


Figure: Control Panel Settings Window – Citrix Tab of Advance

4-7-5 Manage Device Connections

ADM Console provides Connection Management to assist administrator managing the device's VDI. Using **Connect Host** wizard, you can quickly maintain the settings of each VDI, and the device will apply the settings immediately.

In **Group** console page, please select the single device you want to manage and choose **Connection Manager** from right-click context menu. Then you will open a **Connect Host** wizard, it is a user interface for maintaining connections.

ADM Console provides several types of the connections. When you use **Add** to create new connection, ADM Console will open **New Connection** dialog box and you can select one option. Thin client operating system support different type of the connections (see table Support List). You also use **Edit** to modify this setting or use **Delete** to remove a connection. Finally, use **Update** to apply the connection settings to the device.

*Caution: Connection Management is only supported on WEC 7 and Astec Linux 2.0 clients.

Figure: Connect Host Wizard

ConnectionName	Туре	Setup	Add
ts2k8	RDP		
ts2k3	RDP		Edit
vm	VMVIEW		Delete
web browser	WEB		
vnc	VNC		
citrix	ICA		
vm-cert	VMVIEW		
			Update

Figure: New Connection Dialog Box

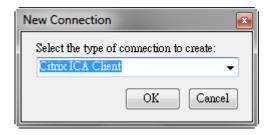


Table: List all of OS Support Connection Type

Connection Type	WEC 7	Astec Linux 2.0
Citrix ICA Client	Х	Х
Microsoft Remote Desktop Client	Х	Х
Microsoft Remote Apps		Х
VMware View		Х
Web Browser	Х	Х
X11 Client		Х
VNC Viewer		Х
Telnet		Х

If you choose **Citrix ICA Client**, please enter connection name and XenApp sever URL in dialog box. To continue with select a connecting type, if choose server, enter server name else enter command-line and working directory. On **Login Setting** frame, you are able to enter user name and domain.

Citrix	
Connection Name	
Server	Login Setting
Server URL:	2
Server Select the server from the list or server name	User Name
	Domain
Published Application Command Line:	
Working Directory:	OK Cancel

Figure: Connection Settings Dialog Box for Citrix ICA Client

If you choose **Microsoft Remote Desktop Client** (RDP), please enter connection name and sever IP address/domain name in dialog box.

You can use **Advance** to open advanced settings, the **Login** tab display about login settings, you are able to enter user name, password and domain, and select whether auto-login system after connecting server.

RDP	
Connection Name Server URL:	•
Advance	
Login Display	USB
Login Setting—	
י 🔵 ד	ser Name
р р	assword
I	Domain
	🔲 Auto Login
	OK Cancel

Figure: Connection Settings Dialog Box for RDP – Login Tab

The **Display** tab display about screen settings, you are able to select whether use full screen system after login system.

Figure: Connection	Settings Dia	alog Box for	RDP – Display Ta	b
--------------------	--------------	--------------	------------------	---

RDP	
Connection Name Server URL:	
Advance	
Login Display USB	
Screen Setting	
Full Screen	
	OK Cancel

The **USB** tab display about USB settings, you are able to select whether use USB device redirection after login system.

RDP	8
Connection Name Server URL:	
Advance	
Login Display USB	
Usb Setting	
USB Storage Redirect	
OK Cancel	

Figure: Connection Settings Dialog Box for RDP – USB Tab

If you choose **Microsoft Remote Apps** (Remote Apps), please enter connection name and sever IP address/domain name in dialog box.

The **Logon Setting** tab display about login settings, you are able to enter user name, password and domain.

Figure: Connection Settings Dialog Box for Remote Apps – Logon Setting Tab

RemoteApps e
Connection Name ServerURL:
Logon Setting Application
User Name:
Domain:
OK Cancel

The **Application** tab display about application settings, you must enter alias ("||" + executable file name of application) and command-line arguments (if the application requires arguments).

RemoteApps
Connection Name
Logon Setting Application
Alias
Command-Line arguments
OK Cancel

Figure: Connection Settings Dialog Box for Remote Apps – Application Tab

If you choose **VMware View**, please enter connection name and sever IP address/domain name in dialog box.

You can use **Advance** to open advanced settings, the **Login** tab display about login settings, you are able to enter user name, password and domain, and select whether auto-login system after connecting server.

VMware			x
Connection N			
Connection N	ame		
Server URL:			-
Advance Login Display Login Settin			
	o User Name		
	Password		
	Domain		
		📄 Auto Login	
		OK	Cancel

Figure: Connection Settings Dialog Box for VMware View – Login Tab

The **Display** tab display about screen settings, you are able to select whether use full screen system after login system.

VMware				
Connection Name Server URL:	vm-cert view-server.astec-tech.com			
Advance Login Display USB				
Screen Setting				
	OK Cancel			

Figure: Connection Settings Dialog Box for VMware View – Display Tab

The **USB** tab display about USB settings, you are able to select whether use USB device redirection after login system.

Figure: Connection Settings Dialog Box for VMware View – USB Tab

VMware	
	vm-cert view-server.astec-tech.com
Login Display US Usb Setting	B USB Storage Redirect
	OK Cancel

If you choose **Web Browser**, please enter connection name and start page URL in dialog box.

Figure: Connection Settings Dialog Box for Web Browser

WebBrowser	X
Connection Name: Start Page:	
	OK Cancel

If you choose **X11 Client**, please enter connection name and VNC server IP address, select a XDM Mode in dialog box.

Figure: Connection Settings Dialog Box for X 11 Clients

X	(11	
Γ		
L	Connection Name:	
Ŀ	Server Name(IP):	
L	XDM Mode: 💿 Query	
L	🔘 Broadcast	
L	🔘 Indirect	
	Terminate at server reset	
	OK Cancel	

If you choose **VNC Viewer**, please enter connection name and VNC server IP address/domain name in dialog box.

Figure: Connection Settings Dialog Box for VNC Viewer

VNC	
Connection Name:	
VNC Server:	
	OK Cancel

If you choose **Telnet**, please enter connection name, server IP address/domain name and user name in dialog box.

Figure: Connection Settings Dialog Box for Telnet

Telnet	
Connection Name:	
Server:	
User Name:	
	OK Cancel

4-8 Managing Firmware

This chapter describes how to clone and update firmware image for the device. Firmware Manager is a powerful function for backup firmware image of the device, it provide simple operating steps and assist administrator to complete the task of saving and restoring firmware image. It is sometimes also clone a firmware to another device to resolve system problem, or upgrade your system from a new firmware image.

4-8-1 Create a Firmware File from Thin Client

ADM Console provides a way of cloning firmware from each device, and allows you upload firmware to ADM server from right-click context menu with **Firmware Clone**.

Then you will see a **Firmware Clone** dialog box, please modify the file name. Please wait for a few minutes, the device will reboot and start to create firmware image file. Creating image file time is different according to the different thin client operating system.

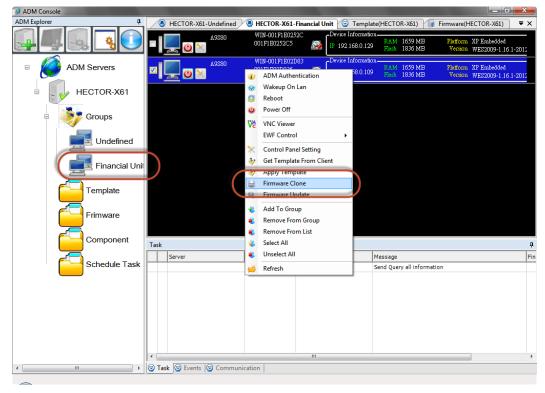


Figure: Clone Firmware from Thin Client

Figure: Firmware Clone Dialog Box

🖳 Firmware	Clone
Filename	001F1E02D836 afw
	OK Cancel

4-8-2 Import a Firmware File from Local computer

If you already have a firmware image file (.afw), also directly import file to ADM server from local computer.

Please double-click **Firmware** from tree pane and use right-click context menu with **File Upload** on console page. Then you will see an **Import an Image File** dialog box, please choose a file (.afw). When you have finished that import a firmware image file, while the list of **Firmware** console page will display it.

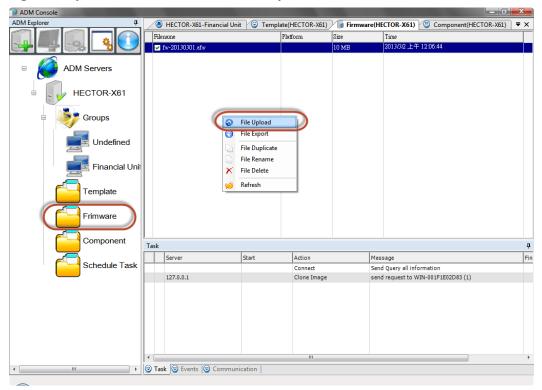


Figure: Import Firmware from Local Computer

🥵 Import an Image File	and the owner of the owner owner owner owner owner owner own	x
🕞 🕞 – 🕌 « Program Files	s (x86) 🕨 ADM System 🕨 👻 🐓 Sec	arch ADM System 🔎
Organize 🔻 New folder		:= - 🔟 🔞
 Saved Games Searches Tracing Computer TP_WIN7 (C:) GrandeDevice Intel Intel Corporation MSOCache Program Files Program Files (x86) Acronis ADM System ClientSetting 	Name	Date modified Ty 2013/3/1 下午 09:35 Fil 2013/3/1 下午 09:35 Fil 2013/3/22 上午 11: Fil
rile name		ge(*.afw)

Figure: Import an Image File Dialog Box

Figure: Import Firmware Image File to Finish

ADM Explorer Platform Size Time Image: ADM Servers ADM Servers 10 MB 2013/38 T 7 05 25 33	• X
L L	
D MB 2013/38 下午 05:25:33	_
ADM Servers	
HECTOR-X61	
Groups	
Undefined	
Financial Unit	
Template	
Frimware	
Component Task	ą
Server Start Action Message	
Schedule Task Connect Send Query all information	
۲	۰,
✓ III → G Task G Events G Communication	

4-8-3 Update Firmware of Thin Client

You are ready to the firmware image file in ADM server, and start to update or restore the device.

Please choose a device from **Group** console page and use right-click context menu with **Firmware Update**. Then you will see a **Firmware Image File** dialog box, please choose a file (.afw). Please wait for a few minutes, the device will reboot and start to restore procedure. Restore time is different according to the different thin client operating system.

* Tip: If you want to restore another device through non-owned image file, you must select option "Reset SID" in order to avoid the device SSID (Terminal name) is conflict.

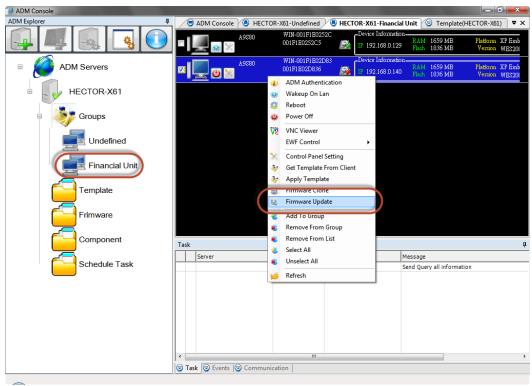


Figure: Restore Firmware to Thin Client

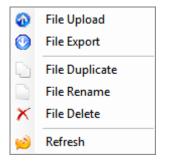
Figure: Firmware Image File Dialog Box

				E
	Reset SID	File name	Size	Time
	✓	fw-20130301.afw	10 MB	201 <i>3/3/3</i> 下午 05:25:33
	fw-2013030	l1.afw		ОК
L				

4-8-4 Maintain Firmware File

ADM Console provides basic operating function of the file in order to maintain firmware image file easily in ADM server. Please double-click **Firmware** from tree pane, you are able to maintain these firmware image file through right-click context menu.

Figure: Firmware's Right-Click Context Menu



The functions are as following:

- File Export: Download the file to local computer.
- File Duplicate: Copy a duplicate file.
- File Rename: Rename the selected file.
- File Delete: Delete the selected file.
- **Refresh**: Refresh the list of firmware image file.

4-9 Managing Template

This chapter describes how to assist administrator to easily perform company's policy and manage the device though using Template Manager.

The Template Manager allows you build a template file from the device and deploy it to other device. ADM Console also provide a way that administrator easily maintain template file, and assist administrator to build template file of different policy.

4-9-1 Create a Template File from Thin Client

First you must obtain a template file as sample file from the device. ADM Console allows you upload template file to ADM server from right-click context menu with **Get Template from Client**.

Then you will see a **Template File** dialog box, please enter file name. Please wait for a few minutes, ADM will start to capture device data and create template file.

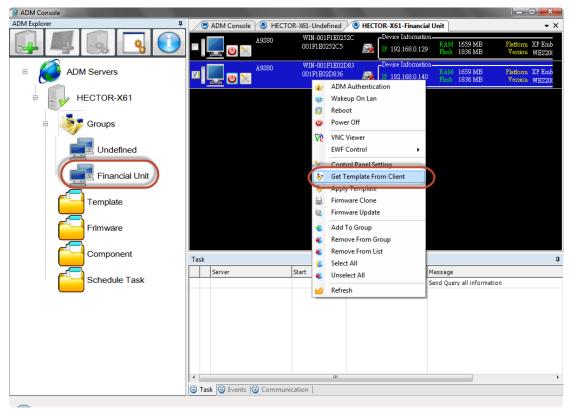


Figure: Get Template File from Thin Client

Figure: Template File Dialog Box

File name	Size	Time	
ft-20130301.aft	61 KB	2013/3/3 下午 11:06:24	

4-9-2 Import a Template File from Local Computer

If you already have a template file (.aft), also directly import file to ADM server from local computer.

Please double-click **Template** from tree pane and use right-click context menu with **File Upload** on console page. Then you will see an **Upload a Template File** dialog box, please choose a file (.aft). When you have finished that import a template file, while the list of **Template** console page will display it.

ADM Console					
ADM Explorer 4	HECTOR-X61-Finar	ncial Unit 👘 Schedule 1	ask(HECTOR-X61) 🖉 🖲 Te	mplate(HECTOR-X61)	₹×
📮 🚚 🔍 🖪 🚺	Filename		form Size	Time	
ADM Servers					
HECTOR-X61					
🖻 😻 Groups		Modify Templat			
		File Upload			
Financial Unit		File Duplicate			
Template		File Delete			
Frimware					
Component	Task				ф.
	Server	Start	Action	Message	
Schedule Task			Connect	Send Query all information	
	•	1	III		Þ
۰ (ا	😨 Task 😨 Events 🗐 Co	ommunication			

Figure: Import Template File from Local Computer

Upload an Template File	THE LOCAL	
🕞 🕞 – 📔 « Program Files	(x86) 🔸 ADM System 🕨 👻 🍫 Search AD	IM System 🔎
Organize 🔻 New folder		iii • 🔟 🔞
 TP_WIN7 (C:) GrandeDevice Intel Intel Corporation MSOCache Program Files Program Files (x86) Acronis 	 Name ClientSetting FilesRoot Logs 	Date modified Ty 2013/3/1下午09:35 Fil 2013/3/1下午09:35 Fil 2013/3/22上午11: Fil
UlientSetting	Template(*	.aft)
	Open	Cancel

Figure: Upload an Template File Dialog Box

Figure: Import Template File to Finish

ADM Console						
ADM Explorer 4		HECTOR-X61-Financial Unit	t 🔣 Schedule	Task(HECTOR-	Х61) 😨 Теп	nplate(HECTOR-X61) = ×
	F	ilename	Pla	atform	Size	Time
		ft-20130301.aft			61 KB	2013/3/3 下午 11:06:24
D ADM Servers						
HECTOR-X61						
Groups						
Financial Unit						
Frimware						
Component	Task	(, p
		Server	Start	Action		Message
Schedule Task				Connect		Send Query all information
	•		1	III		4
< [] >	🕞 Т	ask 💿 Events 💿 Communi	cation			

4-9-3 How to Apply Template for Thin Client

You are ready to the template file in ADM server, and start to update the device. Please choose a device from **Group Name** of tree pane and use right-click context menu with **Apply Template**. Then you will see a **Firmware Image File** dialog box and choose a file (.aft). Please wait for a few minutes, the device will start to update data of properties and connections then reboot.

- * **Tip:** We suggest that different thin client operating system use own template file in order to avoid the settings is exceptional.
- * Tip: The device must be on-line before it updates data.

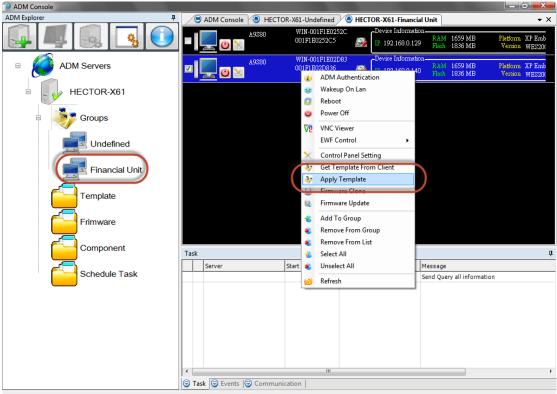


Figure: Apply to Update Thin Client

 $\overline{}$

Figure: Template File Dialog Box

		100 C	
File name	Size	Time	
ft-20130301.aft	61 KB	201 <i>3/3B</i> 下午 11:06:24	
,			
ft-20130301.aft			OK

In addition to the above way, you may also apply template from **Template** console page. Please choose a file from **Template** console page and use right-click context menu with **Apply Template** on the template file. Then you will see a **Client List** dialog box, please add the clients that want be updated. Please wait for a few minutes, the device will start to update data of properties and connections then reboot.

ADM Console								
ADM Explorer	џ.	Schedule Task(HECTOR-X61)						
		Fi	lename		Platf	orm	Size	Time
	20		ft-20130301.aft				61 KB	2013/3/3 下午 11:06:24
ADM Servers								
HECTOR-X61				C	Арр	dify Template bly Template Opioad		
B Groups				0		Export Duplicate		
Undefined					File	Rename Delete		
Financial Unit				2	Refi	resh		
Template								
Frimware								
Component		Task						
			Server	Start		Action	Me	ssage
Schedule Task						Connect	Sen	d Query all information
		•				III		•
<	•	Э Та	ask 🕞 Events 🕞 Commun	ication				

Figure: Apply to Update Thin Client from Template Console Page

Figure: Client List Dialog Box

nt List Clients						
Name	MAC	Status	T	Name	MAC	Status
WIN-001F1E02E4B	001F1E02E4B1	3 5	1	WIN-001F1E02D83	001F1E02D836	-
WIN-001F1E0252C	001F1E0252C5	25		WINDOWS-DR90KJE	001F1E02E4A6	85
			Add < Delete>			
				Apply	Cancel	

4-9-4 Maintain Template File

A template file consists of device properties and connection management. ADM Console allows you maintain these data to build template sample file. Please select a template file and use right-click context menu. If choose **Modify Template**, you will see a **Control Panel Settings** window. You are able to change these device properties, such as display, keyboard, mouse, sound, networking, regional and advanced properties. The details of user Interface refer "<u>Change Device Properties</u>".

* **Tip:** The terminal name and IP address are not allowed to change as to avoid the device terminal name and IP conflicts.

ADM Console							x
ADM Explorer 4	. / ,	Schedule Task(HECTOR-X6	1) 🖉 Te	mplate(HECTOR-)	(61) 🕘 HECT	OR-X61-Undefined	₹×
	Fib	ename		Platform	Size	Time	
		ft-20130301.aft			61 KB	2013/3/3 下午 11:06:24	_
		ft-20130303.aft		XP Embedded	2 KB	2013/34 下午 12:19:40	
ADM Servers		ft-S320-citrix.aft		Embedded Linu	K 3 KB	2013/3/22 下午 01:30:22	
		ft-S320.aft	1	Embedded Linu:		2013/3/22 下午 05:42:18	
HECTOR-X61		ft-S520.aft		Modify Templat		2013/3/22 下午 06:12:00	
HECTOR-AGT				Apply Template			
				Connection Mar			
🖻 🌔 🥭 Groups			Ċ		nage		
			•				
Undefined			0	File Export			
22				File Duplicate			
Financial Unit				File Rename			
			×	File Delete			
				Refresh			
Template			-	Refresh			
Firmware							
Component	Task						ņ
	Task	6	0.1	la ri		1	4
Schedule Task		Server	Start	Action		Message Send Query all information	
Schedule Task				Connect		Send Query an Information	
	•	1	1	m			Þ
	😨 Ta	sk 💿 Events 💿 Commun	ication				

Figure: Right-Click Context Menu for maintaining Template File

Figure: Template Name Had Been Disabled

Control Panel		
Control Panel	Device	Reset Terminal name by MAC Terminal Name: The field can't be modified under model Template.
Advance		Terminal Group:
		OK Cancel

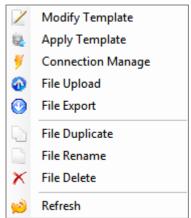
If choose **Connection Manager**, you will see a **Connect Host** wizard. You are able to maintain these connection settings, such as Citrix ICA, RDP, Remote Apps, VMware View, Web Browser, X11 Client, VNC Viewer and Telnet. The operating details refer "<u>Managing Device Connections</u>".

Figure: Connect Host Wizard

ConnectionName	Туре	Setup	Add
ts2k8	RDP		
ts2k3	RDP		Edit
vm	VMVIEW		Delete
web browser	WEB		
vnc	VNC		
citrix	ICA		
vm-cert	VMVIEW		
			Update Cancel

ADM Console provides basic operating function of the file in order to maintain template file easily in ADM server. Please double-click **Template** from tree pane, you are able to maintain these template file through right-click context menu.

Figure: Template's Right-Click Context Menu



The functions are as following:

- File Export: Download the file to local computer.
- File Duplicate: Copy a duplicate file.
- File Rename: Rename the selected file.
- File Delete: Delete the selected file.
- **Refresh**: Refresh the list of template file.

4-10 Managing Update

This chapter describes how to update file of the device. Update Manager is a convenient function for Windows operating system, it can directly install program (for example, patch file) on the device and assist administrator to resolve problem.

* Caution: Update feature is only supported on WES 7 and WES 2009 clients.

4-10-1 Import a Component File from Local Computer

Please you prepare a file (.msi or .exe) and directly import file to ADM server from local computer.

Please double-click **Component** from tree pane and use right-click context menu with **File Upload** on console page. Then you will see an **Upload a Component File** dialog box, please choose a file (.msi or .exe). When you have finished that upload a component file, while the list of **Component** console page will display it.

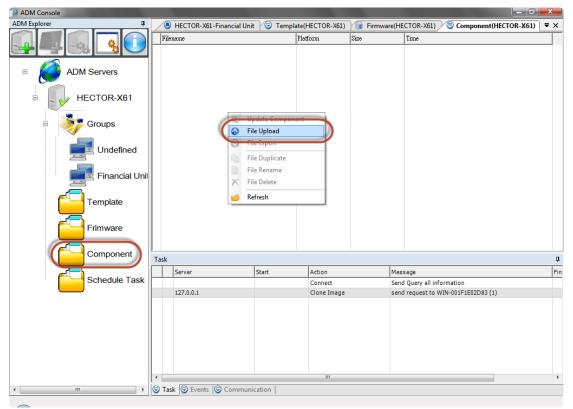


Figure: Import Component from Local Computer

Upload an Component File			23
🖉 🖓 🗸 🖉 🖉 🖉	36) 🕨 ADM System 🕨 👻 🗲	Search ADM System	٩
Organize 🔻 New folder			0
 Saved Games Searches Tracing Computer Computer TP_WIN7 (C:) GrandeDevice Intel Intel Corporation MSOCache Program Files Program Files (x86) Acronis 	Name ClientSetting FilesRoot Logs	Date modified 2013/3/1 下午 09:35 2013/3/1 下午 09:35 2013/3/22 上午 11:	Fil
ADM System	<	MSI(*.msi)	•
		Open Cancel	

Figure: Upload an Component File Dialog Box

Figure: Import Component File to Finish

ADM Console						
ADM Explorer 🛛		😉 ADM Console 🛛 🕞 Firmw	are(HECTOR-X61)) 🖉 Compo	nent(HECTOR-)	(61) • X
		Filename	P	latform	Size	Time
🕞 🖳 🔛 😏	1		ехе		266 KB	2013/3/1 下午 11:59:29
		XPeAgentUpdate4005.msi			1 MB	2013/4/3 下午 02:07:21
ADM Servers						
HECTOR-X61						
B Groups						
Template						
Firmware						
	Tas	ik	I			4
		Server	Start	Action		Message
				Connect		Send Query all information
	1					
	1 . 1	Task 🕞 Events 🕞 Commun				

4-10-2 How to Update Component for Thin Client

If you are ready to the component file in ADM server, and then start to update the device.

Please choose a file from **Component** console page and use right-click context menu with **Update Component** on the component file. Then you will see a **Client List** dialog box, please add the clients that want be updated. Please wait for a few minutes, the device will start installation procedure.

ADM Console					
ADM Explorer 📮	😑 ADM Console 🤇	HECTOR-X61-Undefined	ned 🕼 Firmwa	re(HECTOR-X61) 🕲 Component(HECTOR-X61) 🔹 🗙
	Filename		Platform	Size	Time
	✓ vnc-4_1_3-x86_win3	32_viewer.exe		266 KB	2013/3/1 下午 11:59:29
ADM Servers		Update Compo	nent		
HECTOR-X61		 File Upload File Export 			
Groups		File Duplicate File Rename			
		File Delete Refresh			
Financial Unit					
Frimware					
Component	Task				 ₽
Schedule Task	Server	Start	Action		Message
Schedule Task			Connect		Send Query all information
	•	1			•
	😇 Task 😇 Events 🗐	Communication			

Figure: Thin Client Update Component

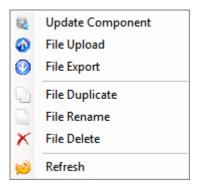
Figure: Client List Dialog Box

Name	MAC	Status	Name	MAC	Status
WIN-001F1E02E4B	001F1E02E4B1	25	WIN-001F1E02D83	001F1E02D836	-
WIN-001F1E0252C	001F1E0252C5	8	WINDOWS-DR90KJE	001F1E02E4A6	25
			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		

4-10-3 Maintain Component File

ADM Console provides basic operating function of the file in order to maintain component file easily in ADM server. Please double-click **Component** from tree pane, you are able to maintain these component file through right-click context menu.

Figure: Component's Right-Click Context Menu



The functions are as following:

- File Export: Download the file to local computer.
- File Duplicate: Copy a duplicate file.
- File Rename: Rename the selected file.
- File Delete: Delete the selected file.
- **Refresh**: Refresh the list of component file.

4-11 Managing Schedule Task

This chapter describes how to assist administrator to easily perform company's policy and maintain the device though using Schedule Manager

The Schedule Manager allows you schedule any time to maintain the device. You maybe need to implement regular rule, it provides simple configuration steps and assist administrator to build task of different policy.

4-11-1 Create a Schedule Task

Please double-click **Schedule Task** from tree pane and use right-click context menu with **New a Schedule Task** on **Schedule Task** console page. Then you will see a **Schedule** dialog box, please set up about information.

ADM Console provides four actions, such as Wakeup on LAN, Reboot, Shutdown and Update (restore device from firmware). When you choose Update, must select a firmware image file in the same time.

* Tip: In Clients list, it will display all of device have been authenticated.

ADM Console							
ADM Explorer 4	Firmwar	e(HECTOR-X61)	HECTOR-X61	-Financial Unit ${\cal V}$	🐖 Schedule Tasl	k(HECTOR-X61)	▼ ×
	State	Description	Action	Schedule	Next Time	Last Time	
ADM Servers							
HECTOR-X61		C	New a Schedul				
Groups		i de la companya de l	Pending	Task			
Undefined		×	Resume Delete				
Financial Unit		2	Execute Refresh				
Frimware							
Component	J Task						ţ
	Server		Start	Action	Mess	age	
Schedule Task				Connect	Send	Query all information	
	•			III			4
•	😇 Task 😇 Eve	nts 🕞 Commun	ication				

Figure: Create a New Schedule Task

Figure: Schedule Dialog Box

edule					
Task Description					OK
Action Wakeup on I	an			•	Cancel
File				Browse	
Schedule					
💿 Once 💿 Eve	ery Day	🗸 Mon	lay 🗸 I	'riday	
2013/03/03		🗸 Tues	lay 🗸 S	aturday	
		V Wed	nesday 📝 S	unday	
下午 08:17:36		🗸 Thur	sday		
Name	MAC			Name WIN-001F1E0252C	MAC 001F1E0252C5
				WIN-001F1E02D83	001F1E02D836
				WINDOWS-DR90KJE	001F1E02E4A6
			Add <	WIN-001F1E02E4B	001F1E02E4B1
				SPRING50815-PC	005056C00001
			<u></u>	SPRING50815-PC	005056C00008
			Delete>	SPRING50815-PC	BCAEC56B98A3
]	

Figure: File Dialog Box

[
File name	Size	Time	
fw-20130301.afw	10 MB	2013/38 下午 05:25:33	
fw-20130301.afw			OK

4-11-2 Modify Your Schedule Task

Please double-click **Schedule Task** from tree pane and use right-click context menu with **Edit a Schedule Task** on a task. Then you will see a **Schedule** dialog box, and please modify about information.

ADM Console										- 0 ×
ADM Explorer 🛛	, //	🕞 Firr	nware(HECTOR-X61)	Component	t(HE	CTOR-X61) 🦯 🐖 Sched	Jule Task(HEC	TOR-X61)	₹×
	State	,		Description	Action		Schedule Nex	kt Time	Last Time	
	Wai	t		update firmware	Update S5EN-(00	04/05/2013 15:30 04/			
ADM Servers HECTOR-X61 Groups Template Firmware Component		L		opcos mineras	(New a Schedule Tarl Edit a Schedule Tark Pending Resume Delete Execute	k		
	Tas	k								д
		Ser	ver		Start		Action	Message		
		_					Connect	Send Quer	y all information	
		Fask 🤅	Even	ts 🎯 Communi	ration	1				Þ

Figure: Edit a Schedule Task

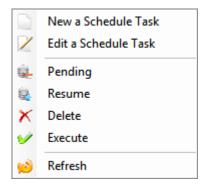
4-11-3 How to Manage Schedule Task

ADM Console provides basic operating function of the task in order to manage the task easily. Please double-click **Schedule Task** from tree pane, you can directly view task status and run actions of the task through right-click context menu.

ADM Co ADM Exp Firmware(HECTOR-X61) Omponent(HECTOR-X61) ₹× Description Action Schedule Next Time Update S5EN-00... 04/05/2013 15:39 04/05 Fri Next Time Last Time State Q, Wait update firmware ADM Servers HECTOR-X61 Groups Template Firmware Component Schedule Task Task ņ Server Start Action Message Send Query all information Connect Task 😨 Events 😨 Communication |

Figure: View Schedule Task Status

Figure: Schedule Task's Right-Click Context Menu



The functions are as following:

- Pending: Hold down the task.
- Resume: Restart the task.
- **Delete:** Delete the task.
- **Execute:** Execute the task immediately.
- **Refresh:** Refresh the task list.