Advanced Device Manager (ADM) v 5.0

Administrator Guide

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1 Introduction

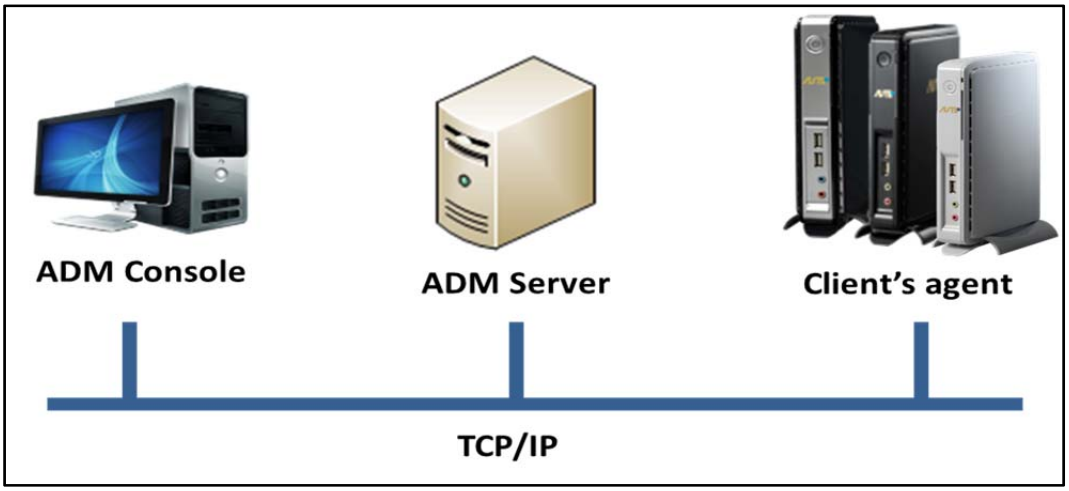
Advanced Device Manager (ADM) is the next generation management tool to replace the previous version of Advanced Management Software (AMS). It delivers centrally monitor and control, software distribution, update management, asset management, grouping and remote assistance to your network while providing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

This release has several new features which includes the ability to perform operations on the 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 the client by specified IP or MAC address. It also allows to manage multiple servers & subnets via one console in the 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 to instruction you that how to install and configure the 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 Server 2012 R2 (32-bit)
- Windows Server 2012 R2 (64-bit)
- Windows 7 (32-bit)
- Windows 7 (64-bit)
- Windows 8.1 (32-bit)
- Windows 8.1 (64-bit)

By default, ADM installs Microsoft .NET Framework 3.5.1.

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

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

You must perform the 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	TCP	8635	Communicate with the server
	FTP	21	Send files to the server
Server	HTTP	8080	Communicate with the client
	TCP	8635	Communicate with the console
	UDP	8634 8636	Broadcast to the client
	FTP	21	Receive files from the client
Client	HTTP	8080	Communicate with the server
	UDP	8634 8636	Broadcast to the server
	FTP	21	Send files to the server

2-5 Supported Client Firmware

Depends on the thin client operating system, the device(s) which you will connect to the ADM meets the system requirements as below:

WEC 7 – v7.0.013 or above/

WES 2009 - v1.15.1 or above/

WES 7 - v2.47 or above /

WES 8 – V3.0.0 or above /

Linux 2.0 - v2.4.1 or above /

ThinWiz – v1.0.0 - v1.5.4 or above.

3. Installation ADM system

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

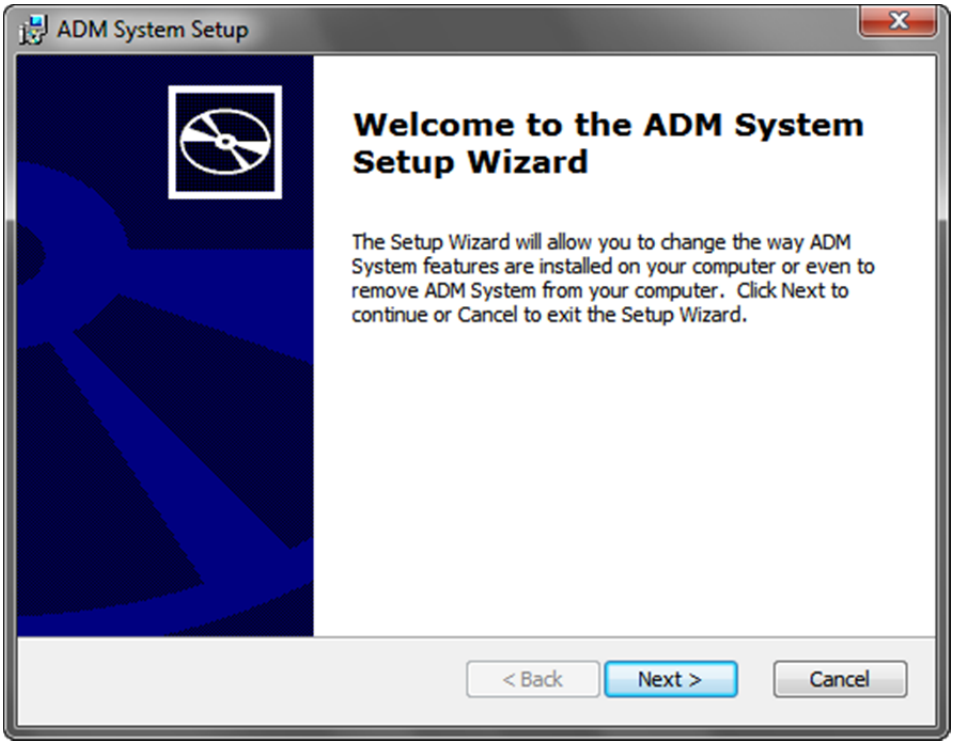
Caution: **Be sure that you have completed all pre-installation requirements as described in "Preparing for Installation" before you begin installing ADM system.**

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

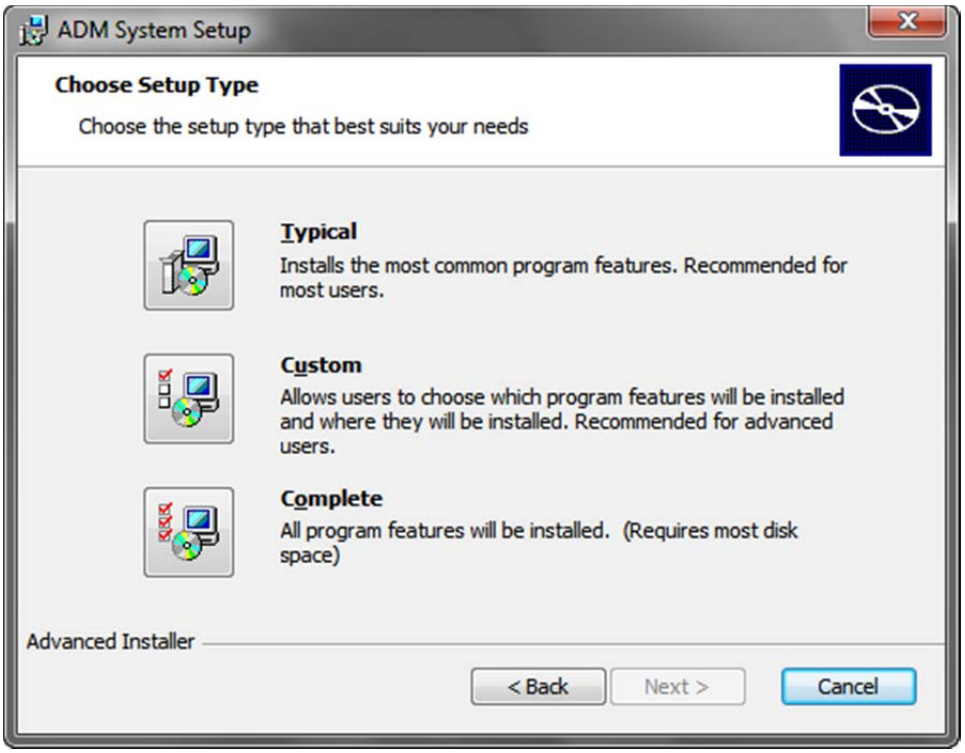
- **ADM Server** – Control the client action like the power control, remote access, group auto-configuration.
- **ADM Console** – Advanced user interface for configuring and monitoring the system.

3-1 ADM Installation Procedure

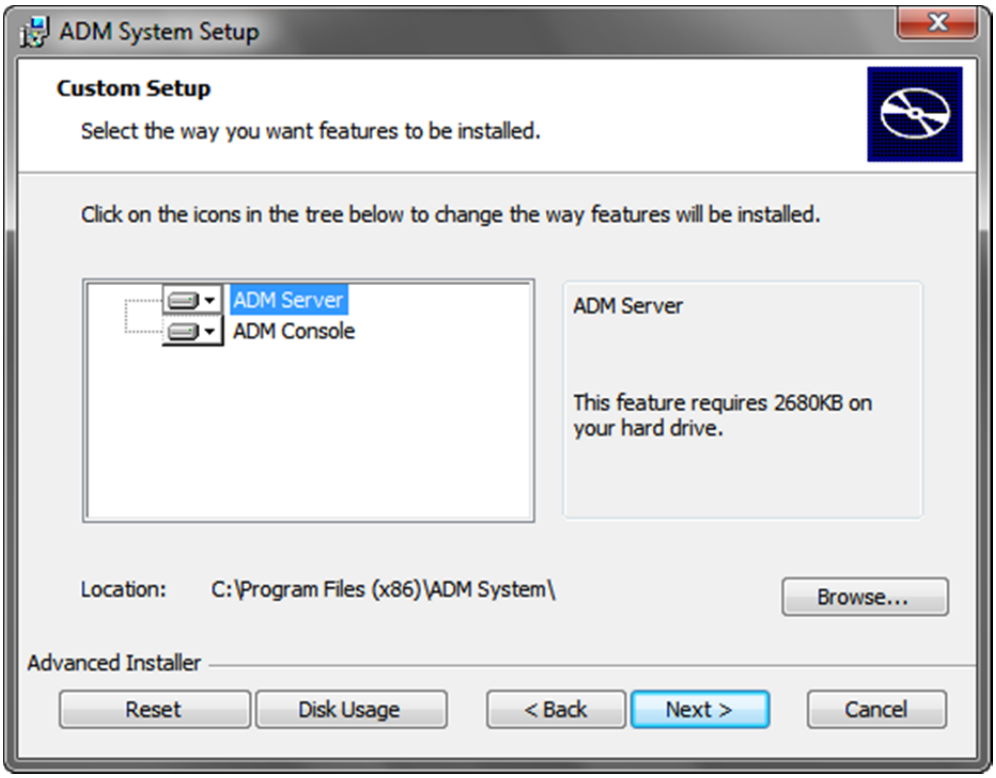
Double-click the **ADM5.0.xxx.msi** file to begin the ADM installation. Click **Next** to continue the ADM system Setup.



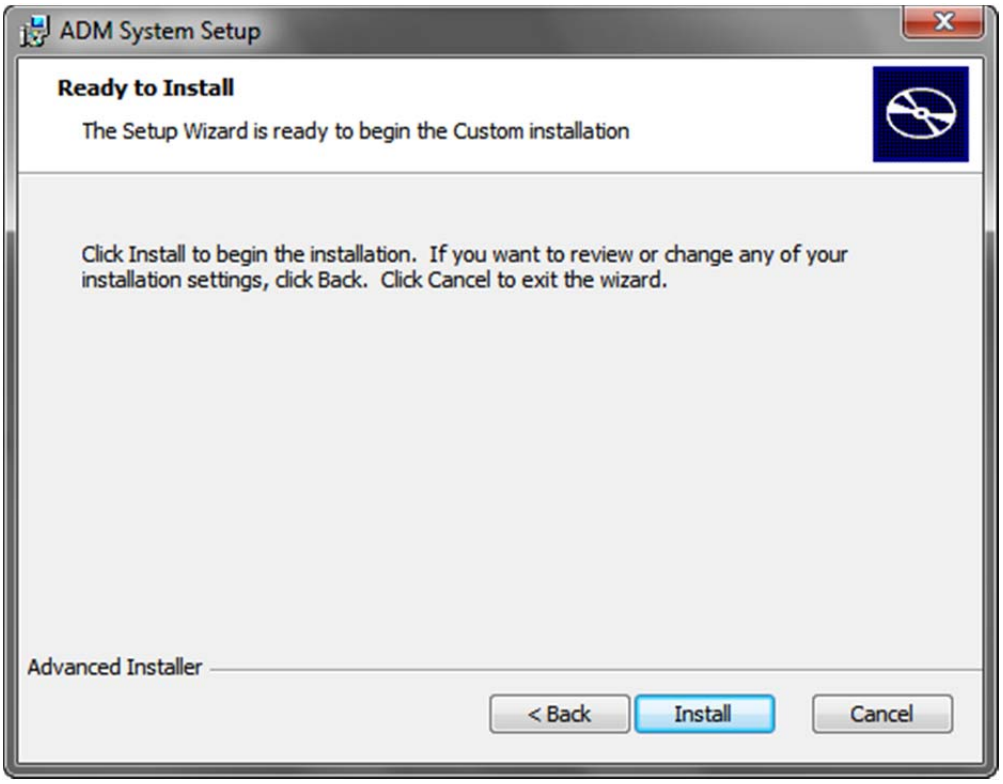
Follow the instruction to continue the installation.



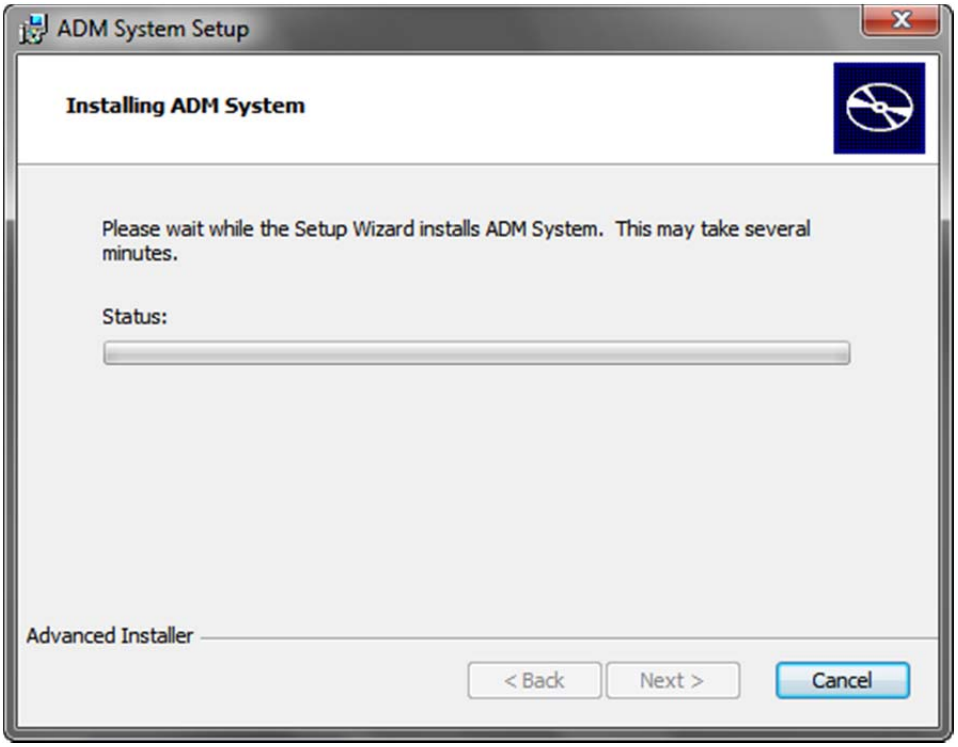
Select the way you want to install, and then click **Next**.



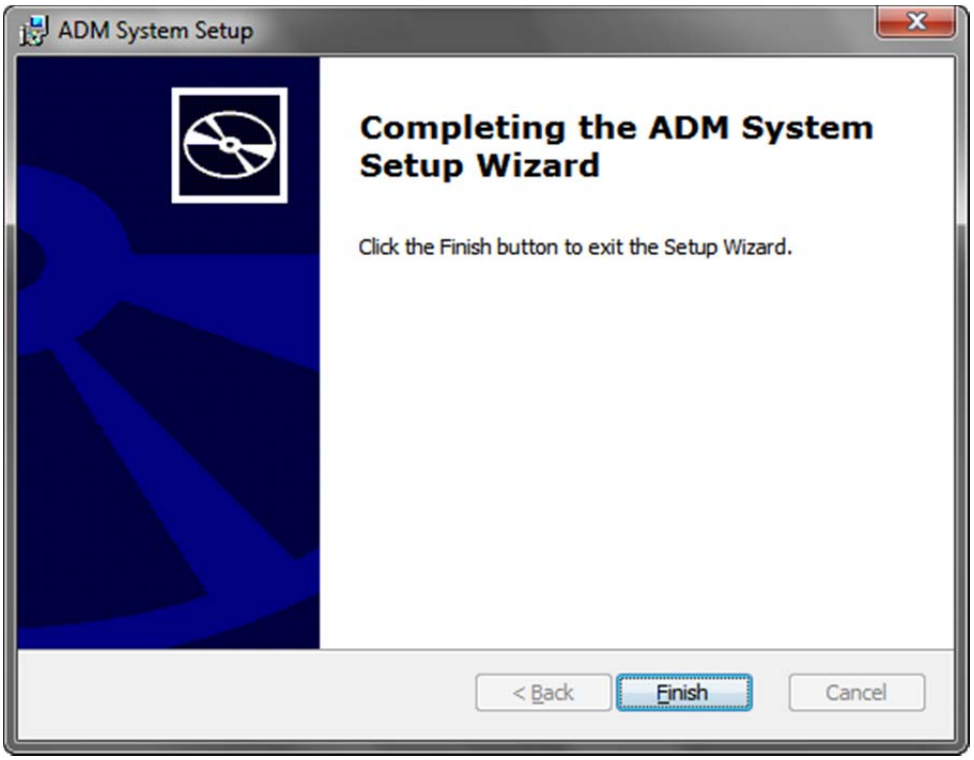
Click **Install** to begin the installation.



Installing ADM system, please wait a few seconds.



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 "Adding an ADM Server" 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

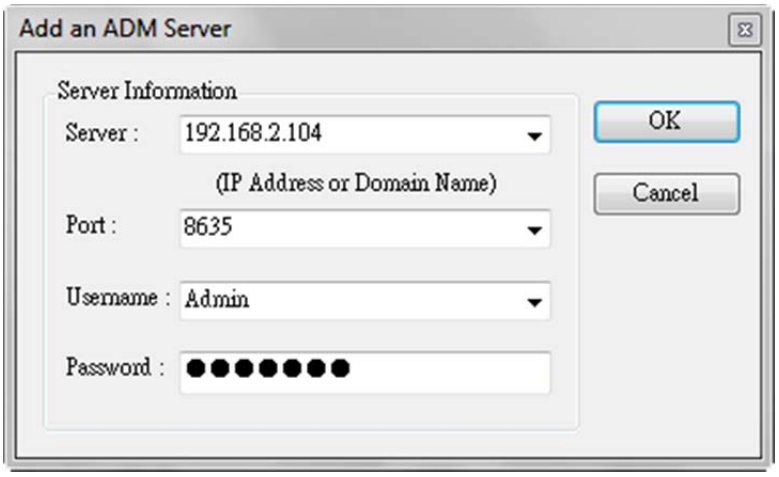
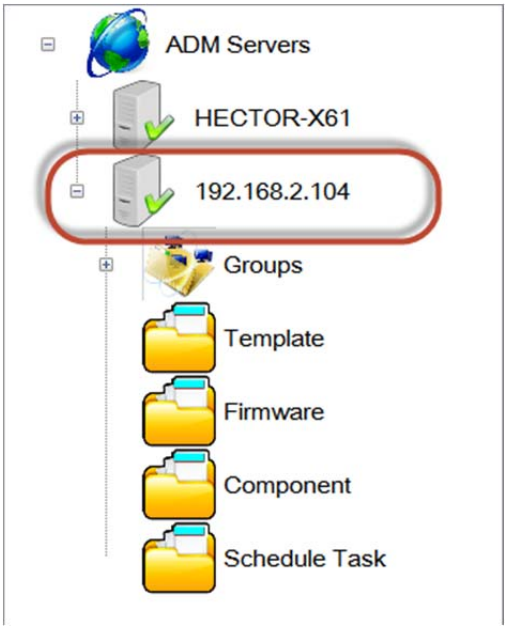


Figure: New ADM Server in ADM Servers of Tree Pane



3-3-2 ADM Console Settings

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

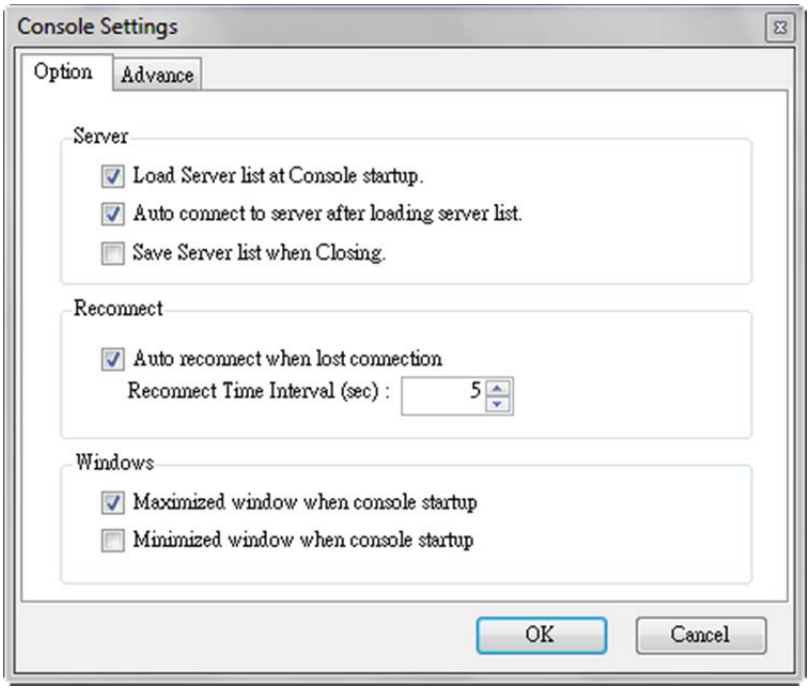
Figure: Console Settings Icon



On the **Option** tab, you can select the options as below

- 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.

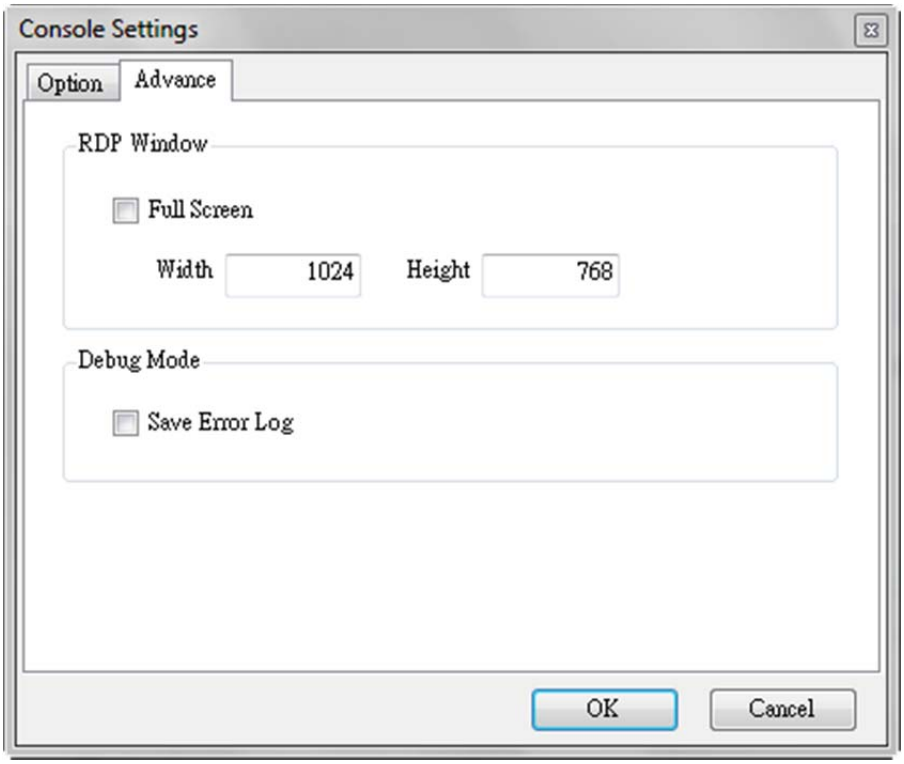
Figure: Option Tab of Console Settings Dialog Box



On **Advance** tab, you can select below option

- To use full screen or adjust screen size when using RDP Window.
- Save the error log when starting debug mode.

Figure: Advance Tab of Console Settings Dialog Box



3-3-3 ADM Server Settings

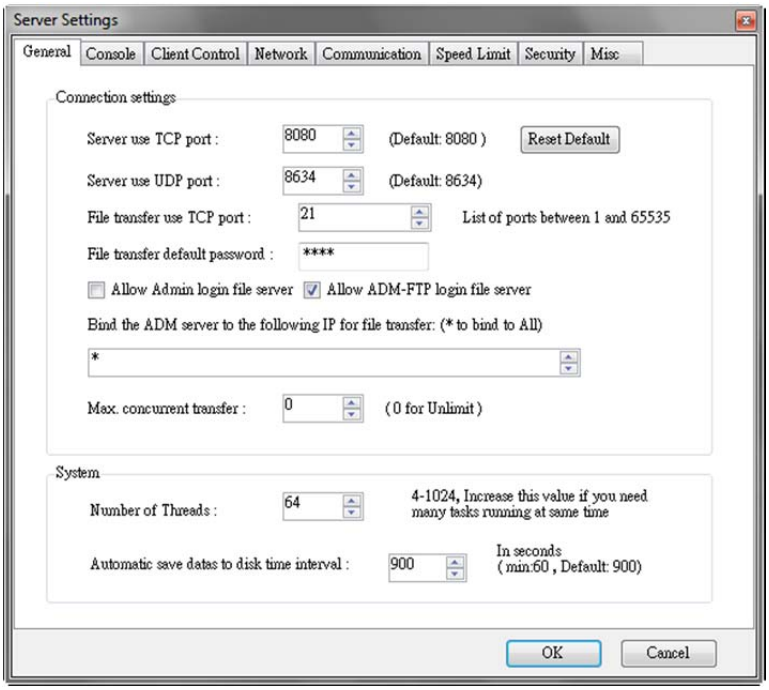
If the default system value dos not meet security policy, ADM console provides the settings for ADM server, you can adjust these settings to perform the company's security policy. Please select an ADM server from tree pane and click **Server Settings** icon as below figure (Toolbar icon) to open the **Server Settings** dialog box.

Figure: Server Settings Icon



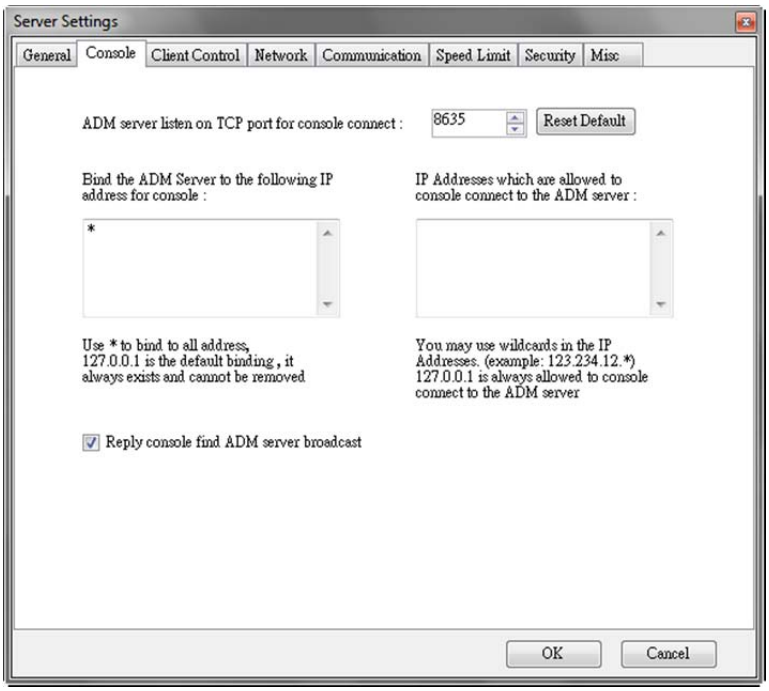
On **General** tab, you can set up the server connection settings, including server use TCP/UDP port, FTP use TCP port, FTP default password and other options. About the system that can set up the number of threads and store the data broadcasting interval.

Figure: General Tab of Server Settings Dialog Box



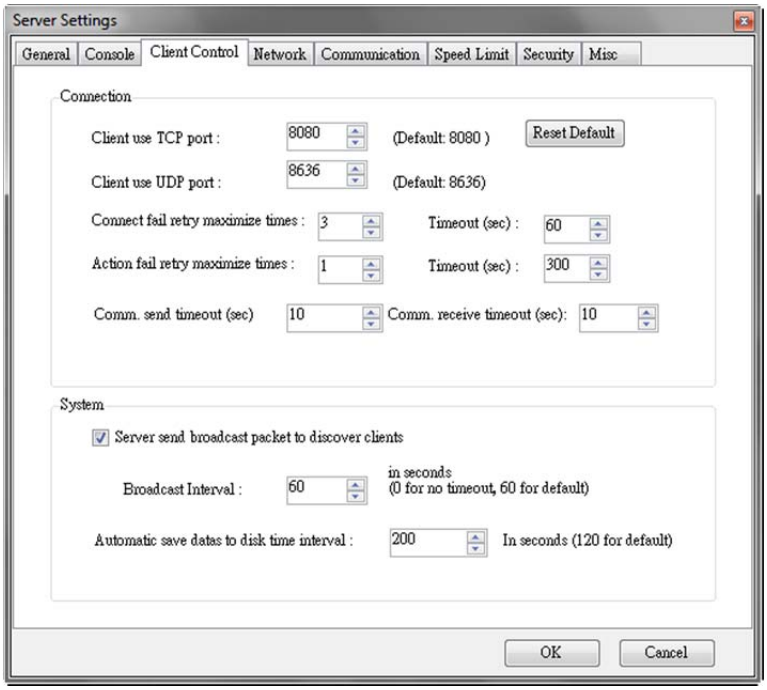
On the **Console** tab, you can set up the TCP listen port of the ADM server, ADM console will be connect to ADM server through this TCP port. Also limit ADM console IP address or bind ADM server IP address. Besides, you can allow the ADM console to find the ADM server through using broadcast.

Figure: Console Tab of Server Settings Dialog Box



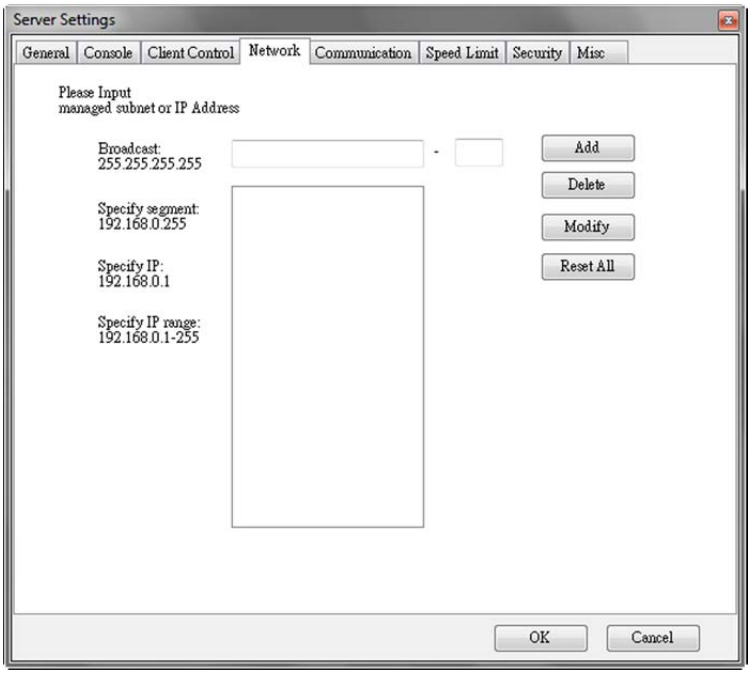
On the **Client Control** tab, you can set up the device connection settings, including the TCP/UDP port of the client, maximize times to retry (including connect/action fail retry) and timeout of command send/receive. For system, can set up broadcast interval and store the data broadcasting interval.

Figure: Client Control Tab of Server Settings Dialog Box



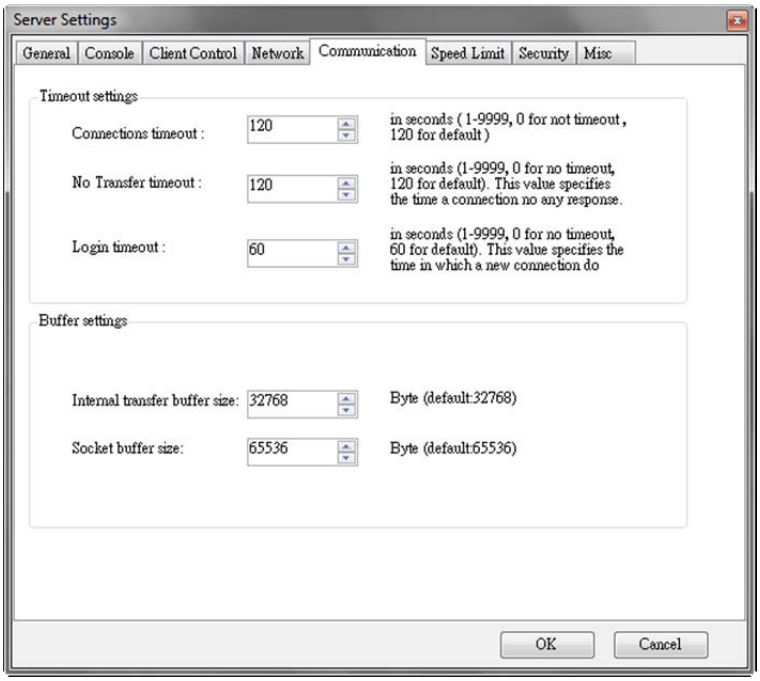
On **Network** tab, you can maintain managed subnet or IP address to manage the device that IP address is specific range.

Figure: Network Tab of Server Settings Dialog Box



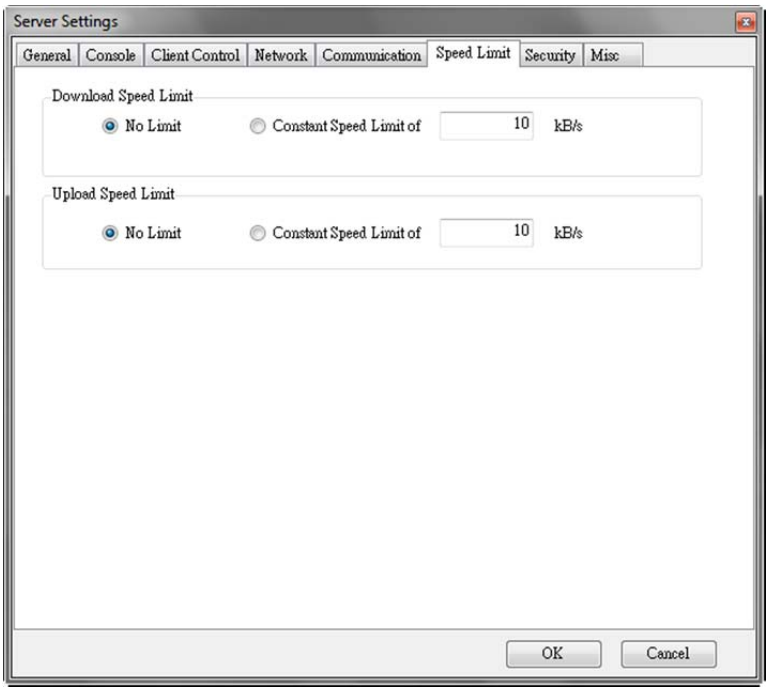
On **Communication** tab, you can set up timeout (including connections timeout, no transfer timeout and login timeout) and buffer size (including internal transfer buffer size and socket buffer size). When enter 0 seconds in timeout settings, it is not timeout.

Figure: Communication Tab of Server Settings Dialog Box



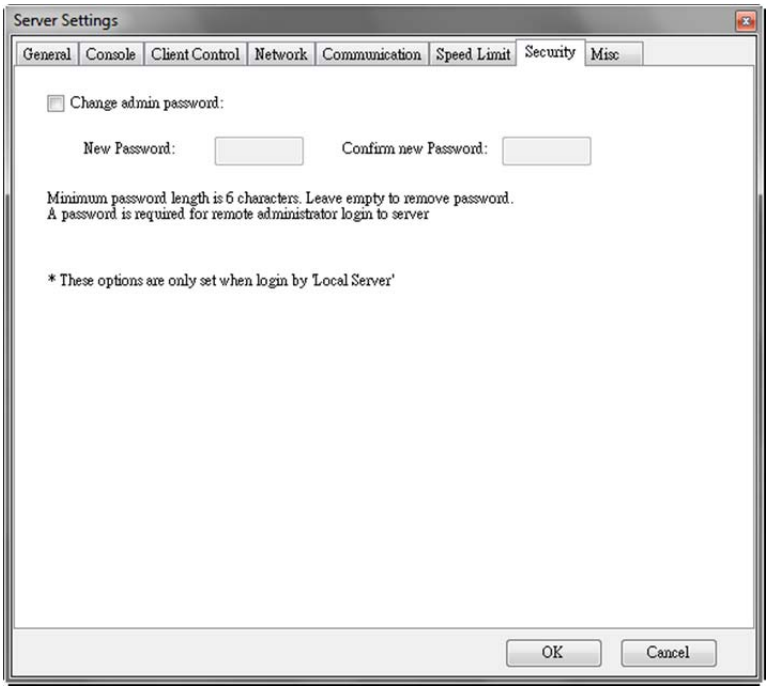
On **Speed Limit** tab, you can adjust download speed limit and upload speed limit for FTP file.

Figure: Speed Limit Tab of Server Settings Dialog Box



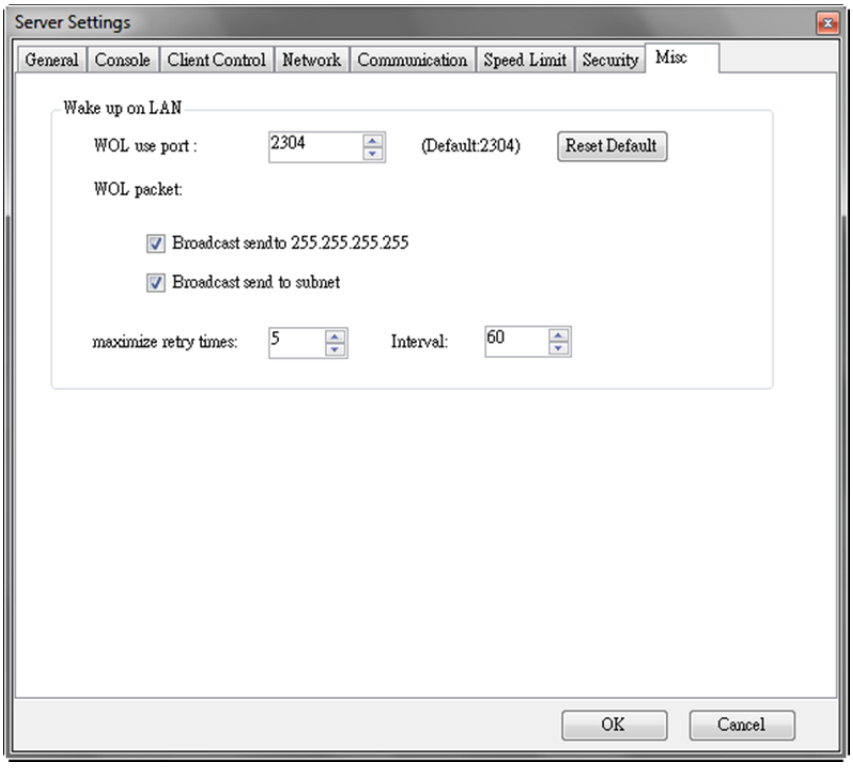
On Security tab, you can change the password that account is “Admin” when need to login ADM server (for example, add a server From ADM Console). Minimum length is 6 characters, the password is removed if leave empty.

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.

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

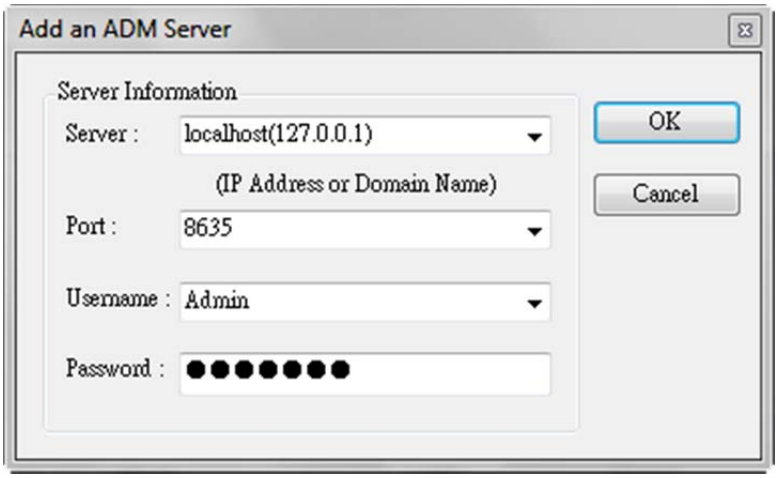
Before use ADM Console, system will demand you to add an ADM server. Because the device was managed through ADM server, so you also need to manage ADM server.

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

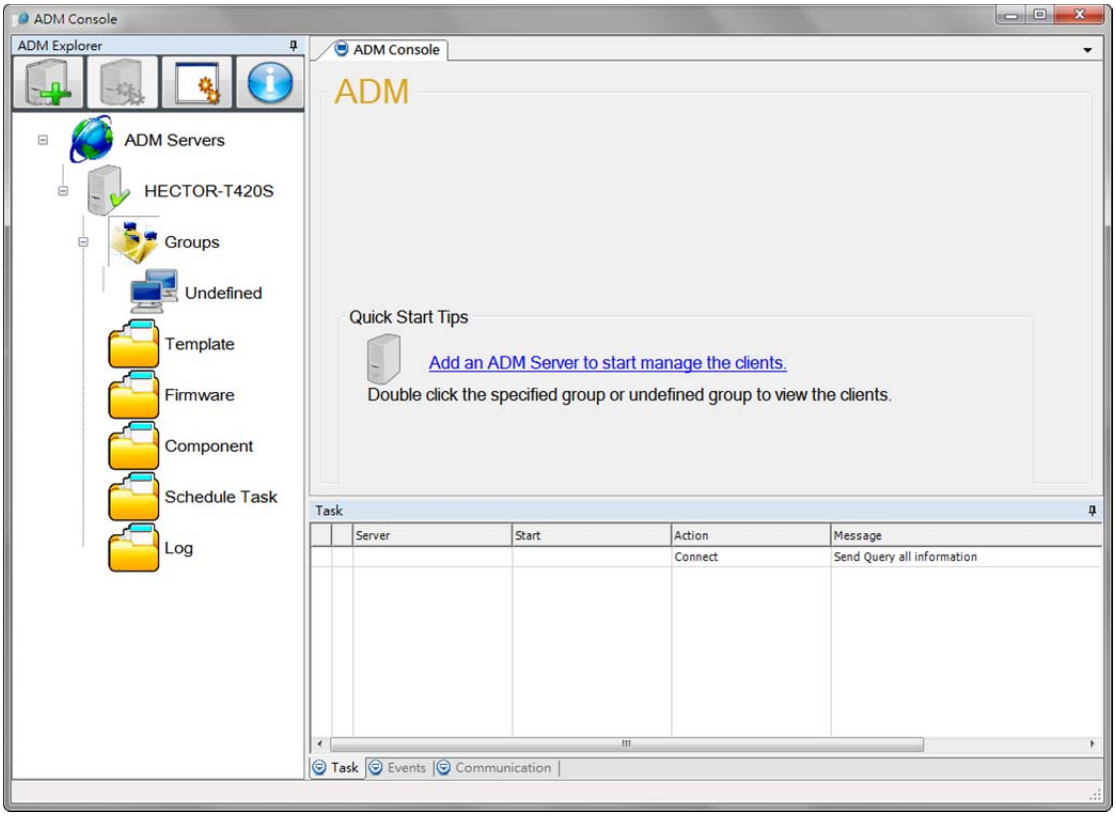


4-2 Getting to Know the ADM Console

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.

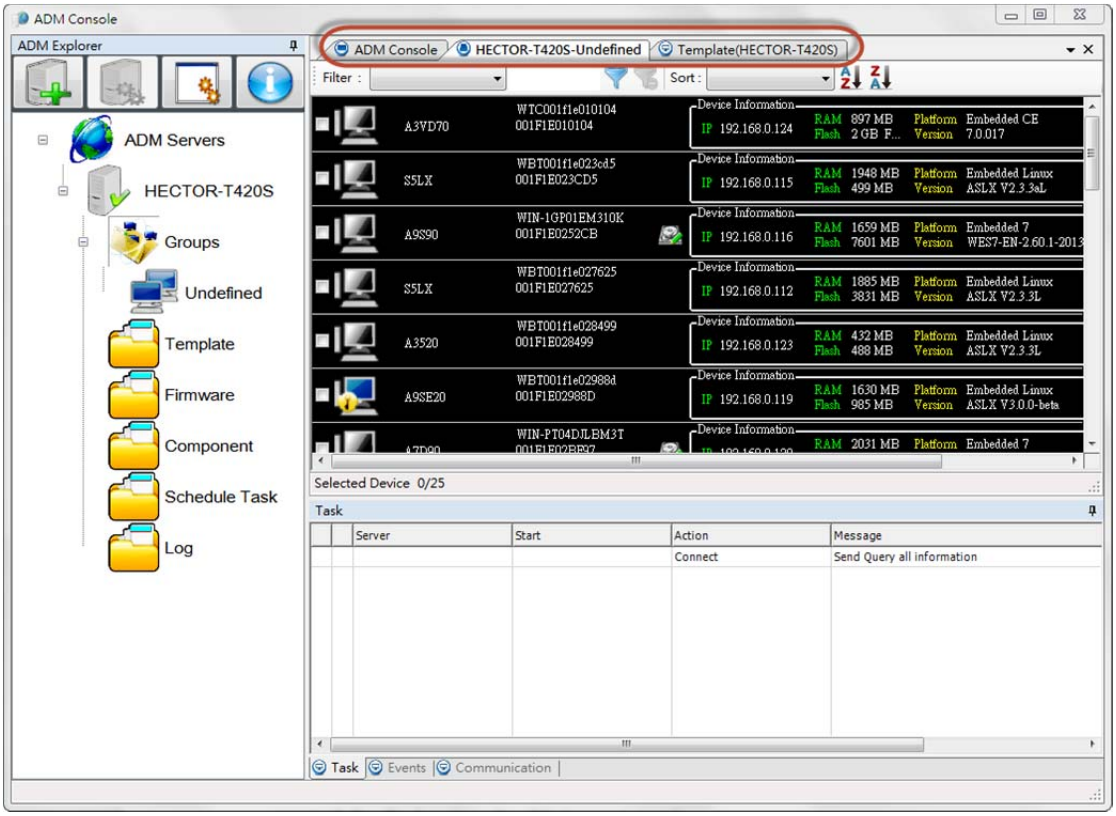
Figure: ADM Console Interface



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.

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

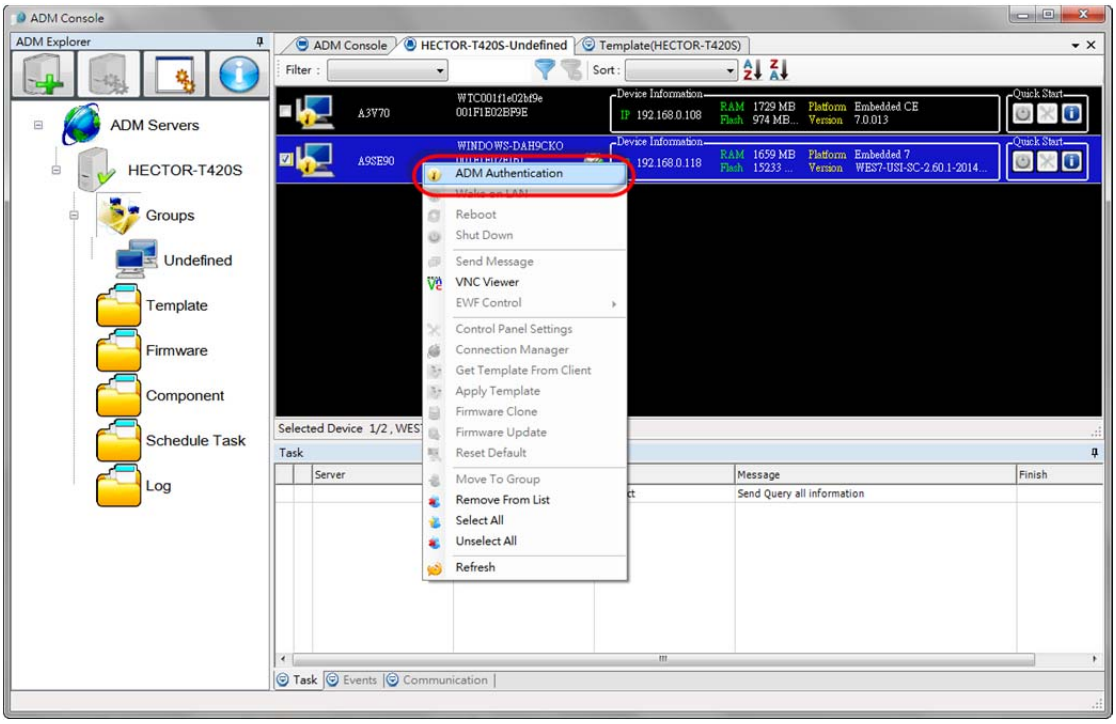


Figure: ADM Authentication Dialog Box

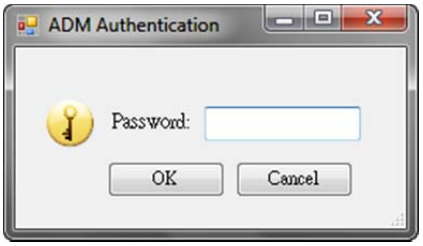
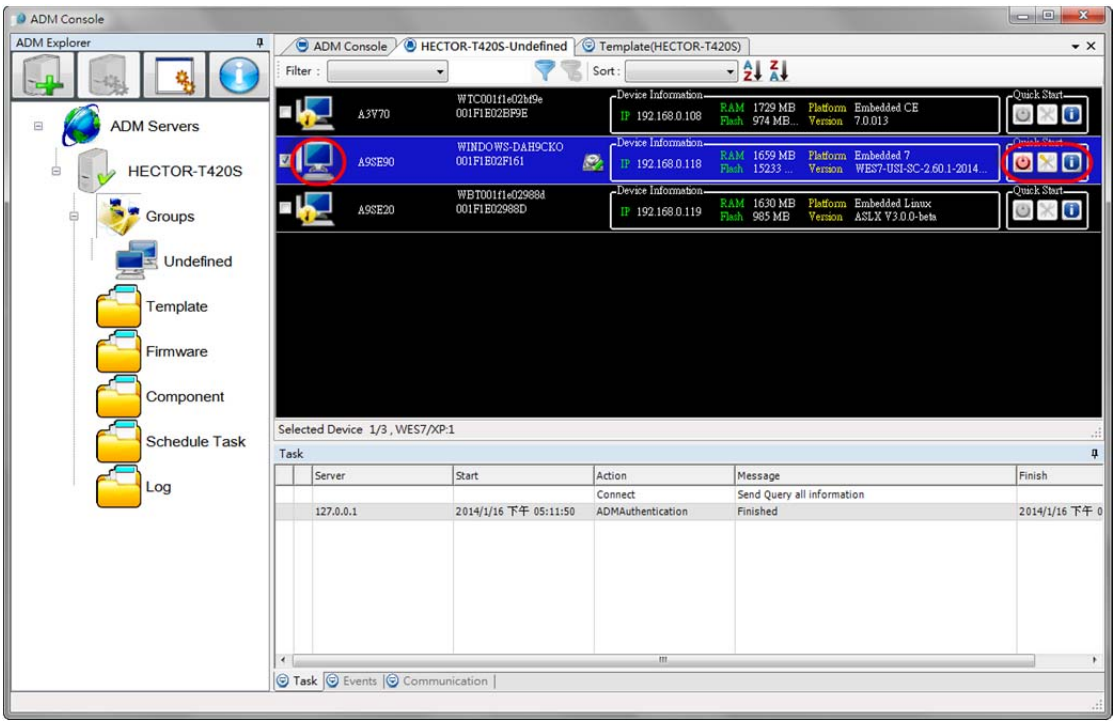


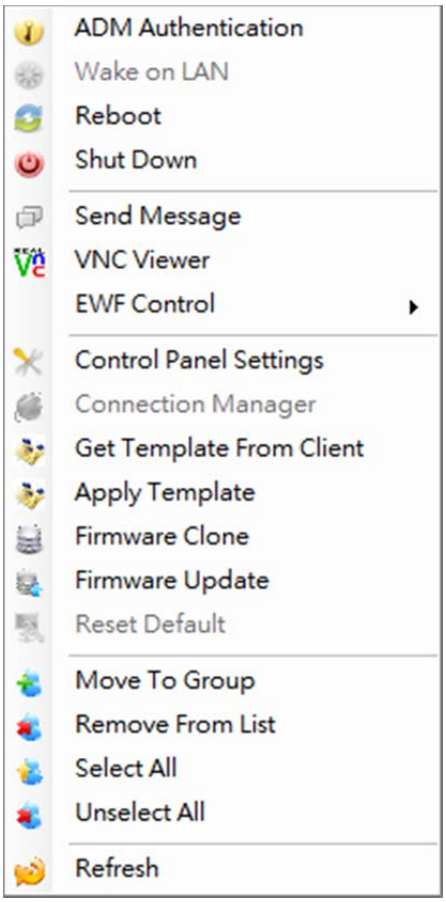
Figure: Complete ADM Authentication Status



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

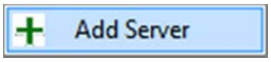


Right-click context menu consist of device manager, firmware manager, template manager and list management. For list management, you are able to usefully manage the list all of device through right-click context menu. The main functions are as following (as for other functions, please refer related chapter):

- **Move 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



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



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**.

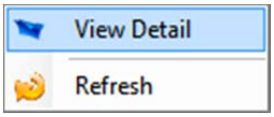
Figure: Right-Click Context Menu for Groups of Tree Pane



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



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 and select a quick deploy template file to finish, ADM Console create a new group, and then the new group be added to **Groups.**

Figure: Add a New Group from Tree Pane

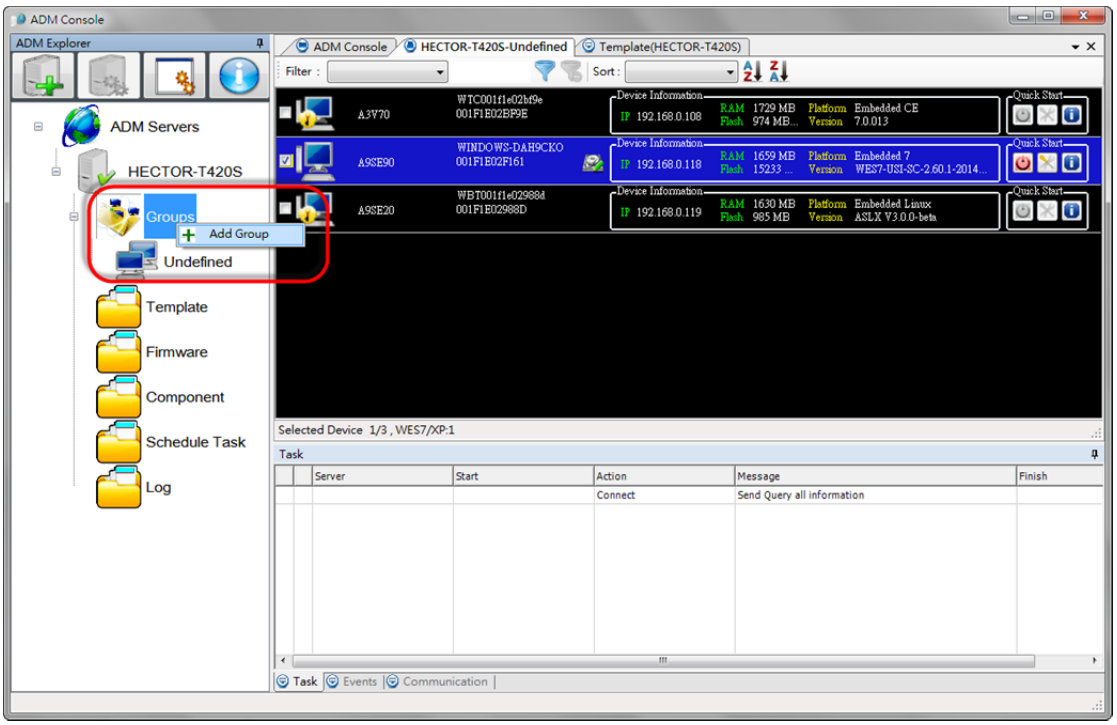


Figure: New Group Dialog Box

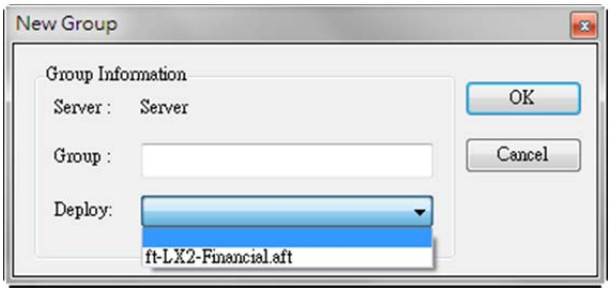
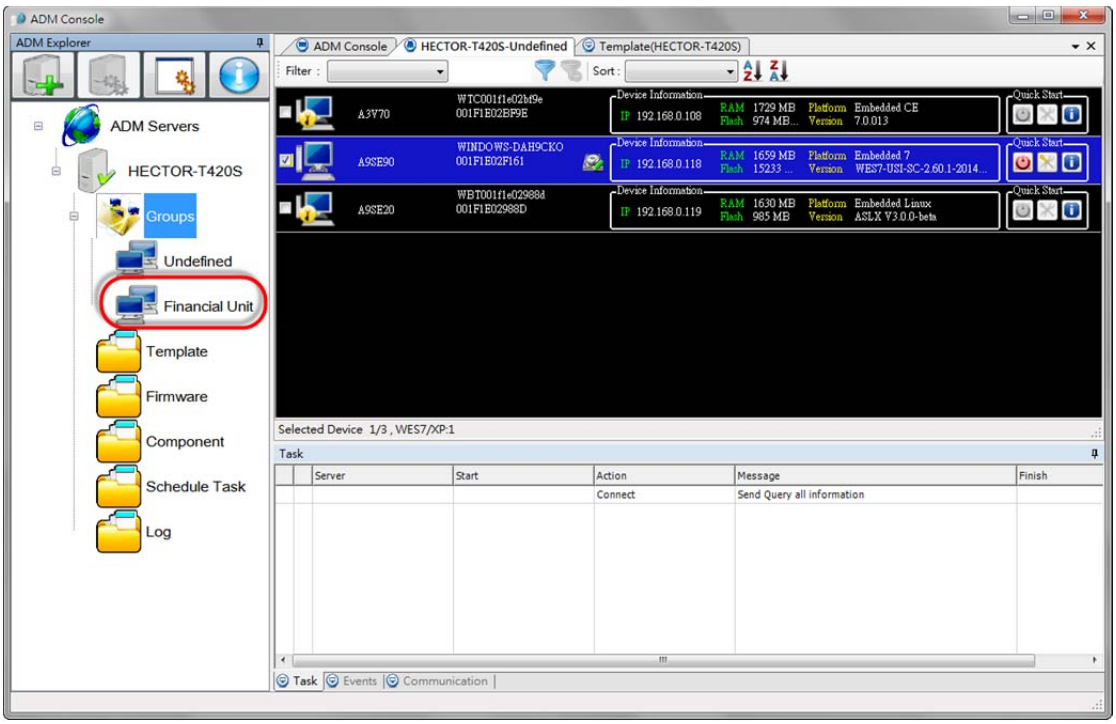


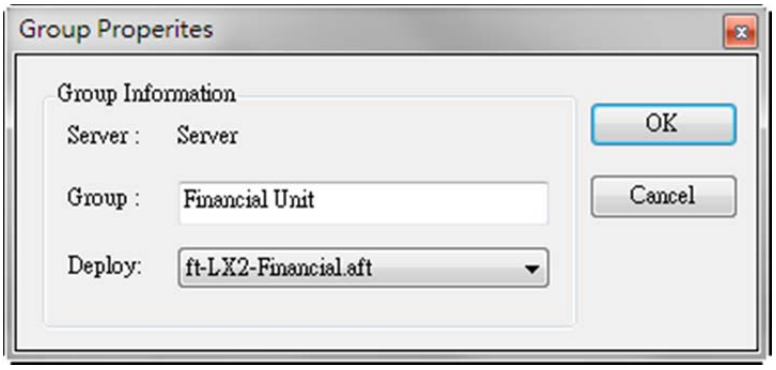
Figure: Complete to Add a New Group



4-6-2 Edit Group Name and Change Deploy Template File

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 or select another quick deploy template file to finish.

Figure: New Group Dialog Box



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 **Move To Group** for undefined device, you must select an option from **Move to Group** dialog box, and then assign device to finish.

***Tip**: If you choice quick deploy template file, the device will automatically start to update data of properties and connections template then reboot after assign devices to group.

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

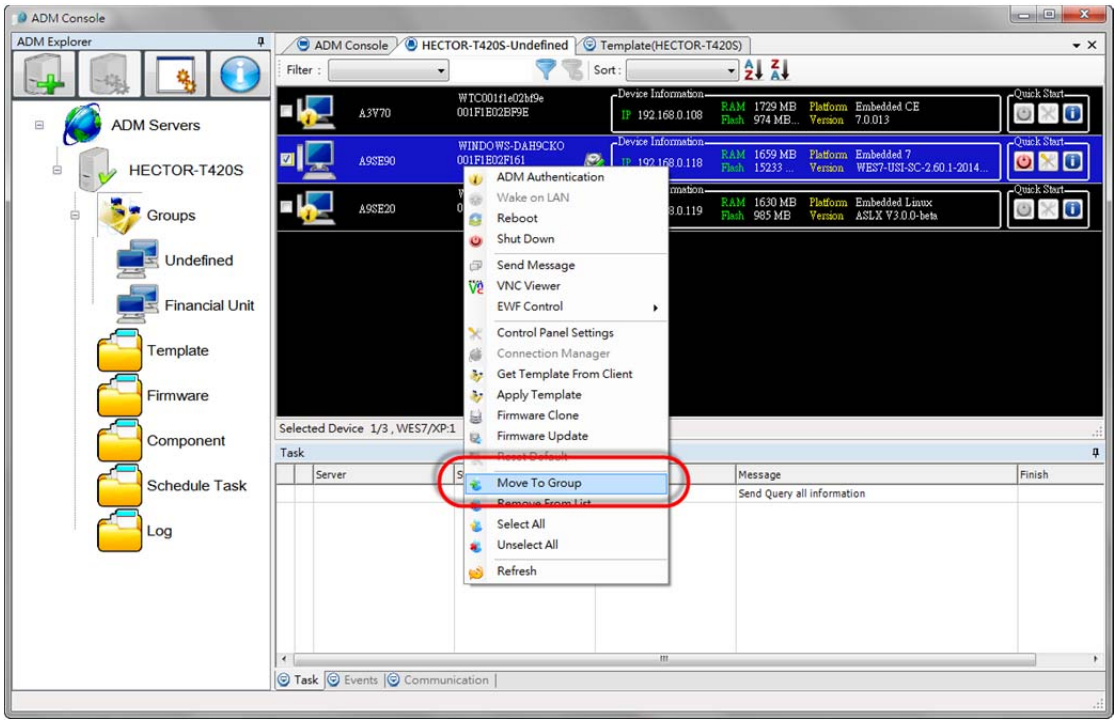


Figure: Move To Group Dialog Box

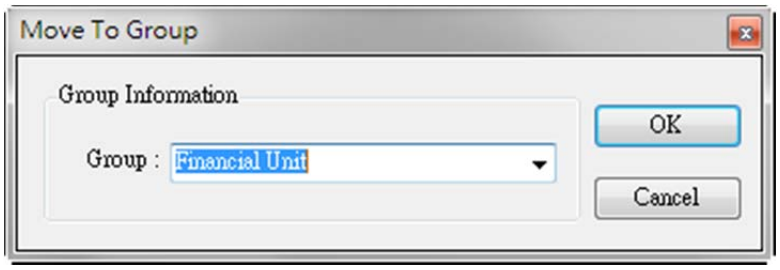
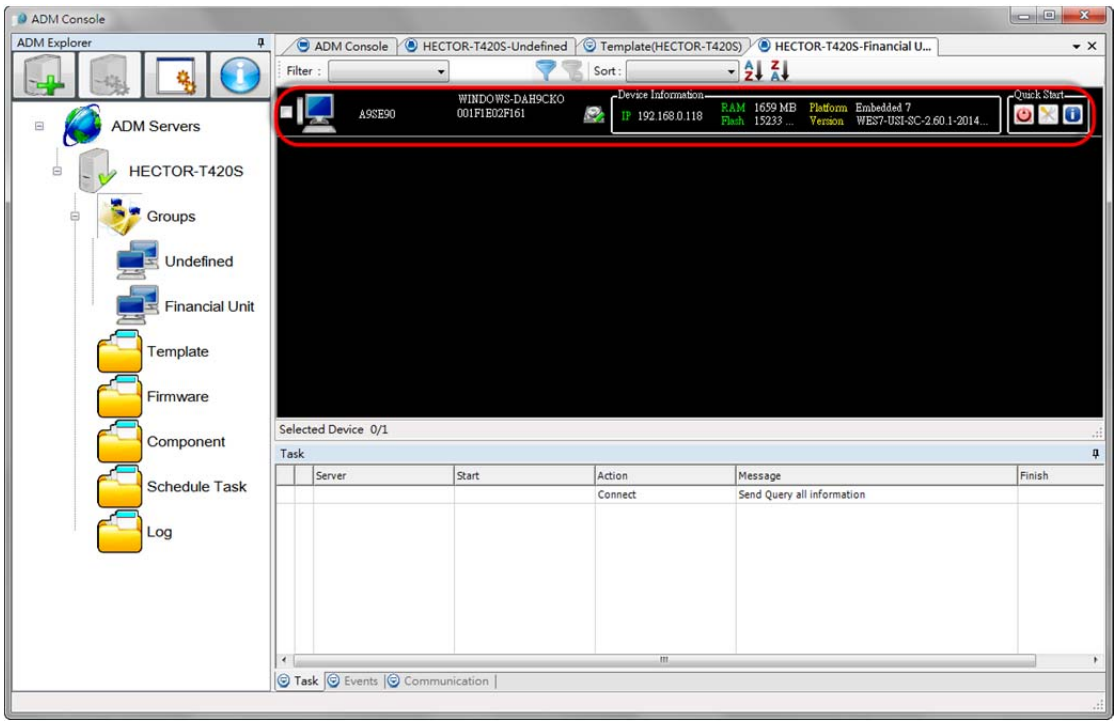


Figure: Assign Device to New Group


ADM Console
ADM Explorer
ADM Servers
HECTOR-T420S
Groups
Undefined
Financial Unit
Template
Firmware
Component
Schedule Task
Log
ADM Console
HECTOR-T420S-Undefined
Template(HECTOR-T420S)
HECTOR-T420S-Financial U...
Filter :
Sort :
A9SE90
WINDOWS-DAH9CKO
001F1E02F161
Device Information
IP 192.168.0.118
RAM 1659 MB
Flash 15233 ...
Platform Embedded 7
Vermon WES7-USI-SC-2.60.1-2014...
Quick Start
Selected Device 0/1
Task
Server
Start
Action
Message
Finish
Connect
Send Query all information
Task
Events
Communication

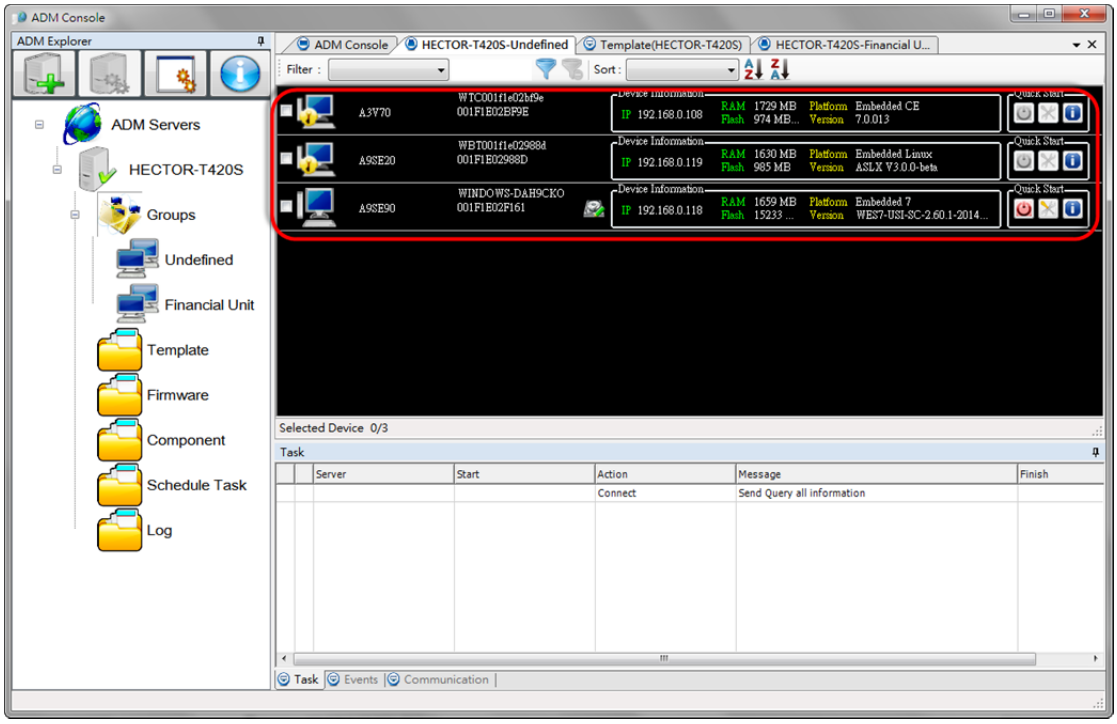
4-7 Managing Device

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 off-line.

 : Device is unauthorized.

 : Device is on-line.

 : Device is rebooting.

: Click it to shut down the device.

: Click it to wake the device on LAN.

: Device's EWF is disabled.

: Device's EWF is enabled.

: Click it to load device's control panel settings.

: Show the device information.

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, Send Message, 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

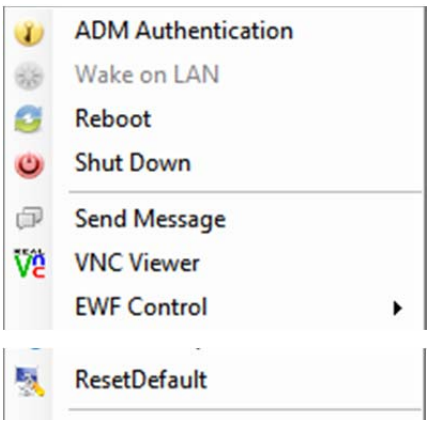


Figure: Right-Click Context Menu for EWF



4-7-3 Remote Shadowing Devices

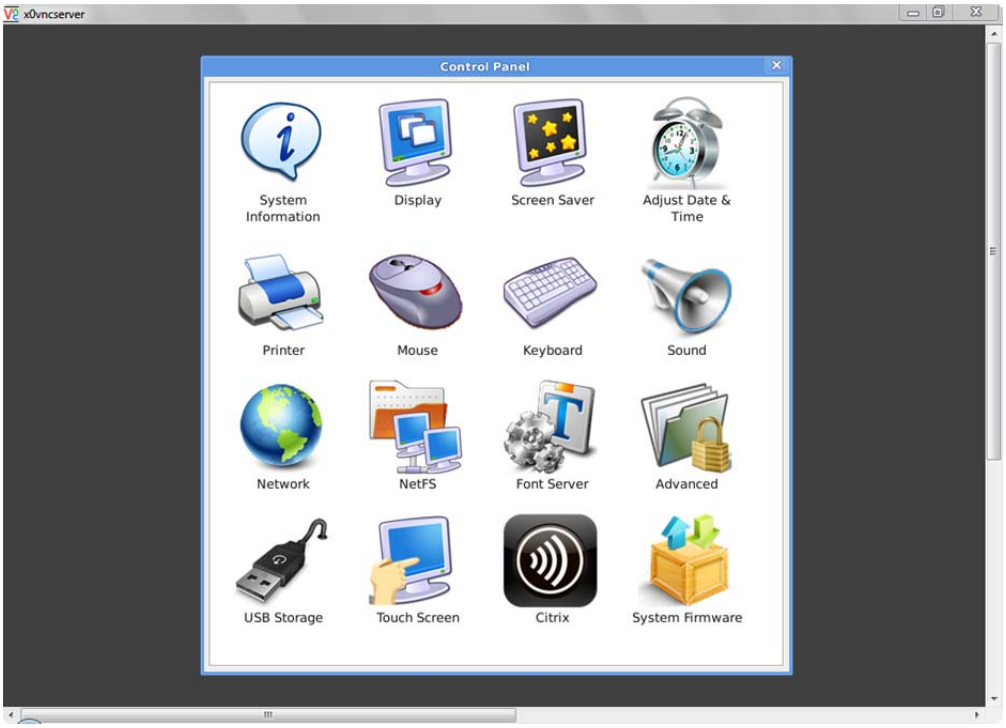
It is very useful, administrator can view and control a device remotely (shadowing a device) to help a user with a particular application and to troubleshoot device problems.

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 Send a Message to Client

If administrator need to notice users troubleshooting device problems, you can send a message to client, users will follow you notice after receiving your message.

In **Group** console page, please select the single device you want to view and choose **Send Message** from right-click context menu. Enter a message that you want to notify, client will show a message box that you send the message.

Figure: Send Message Dialog Box

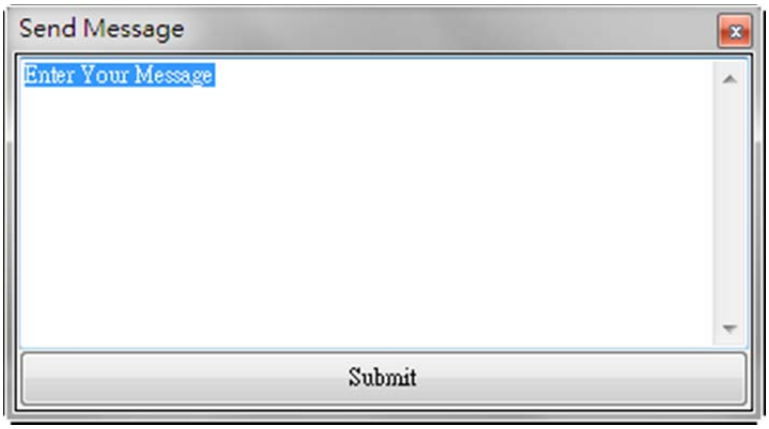
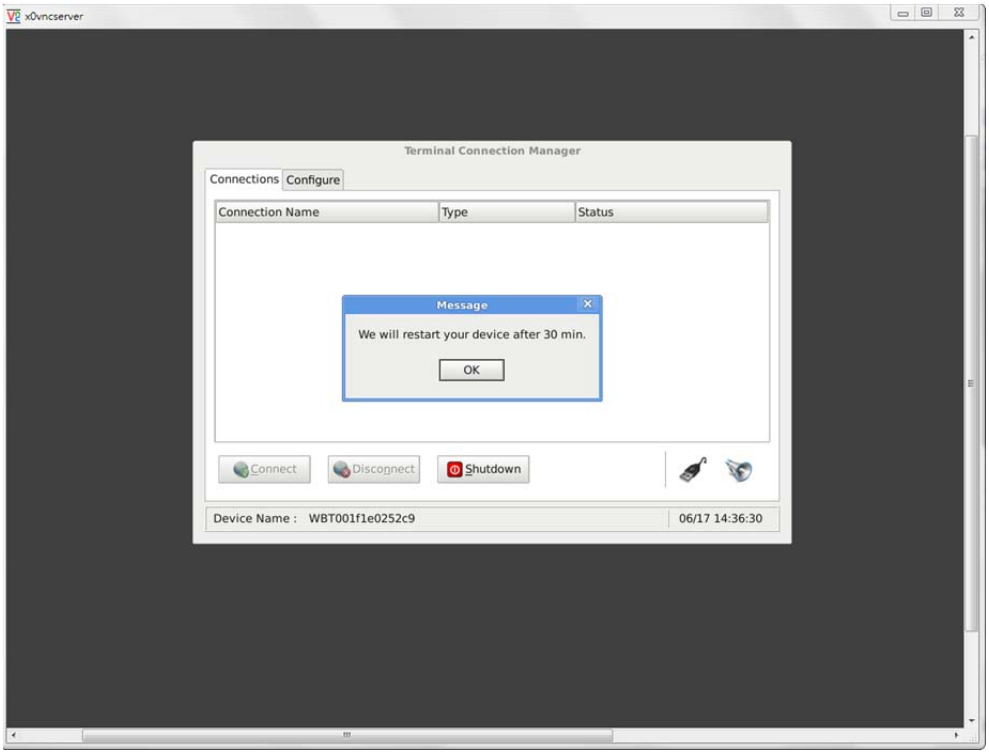


Figure: Client Message Box



4-7-5 Filter Your Device from List

When administrator manages all several of the devices, we provide a device filter to assist administrator quickly find managed device.

In **Undefined** console page, please select a filter item and type search string first, then click Search icon, ADM Console will filter the devices from list by user name, product name, device name, device MAC address, device IP address, platform and firmware version. You can click Clear icon to cancel search string, ADM Console will list all of the devices.

Figure: Filter the Devices

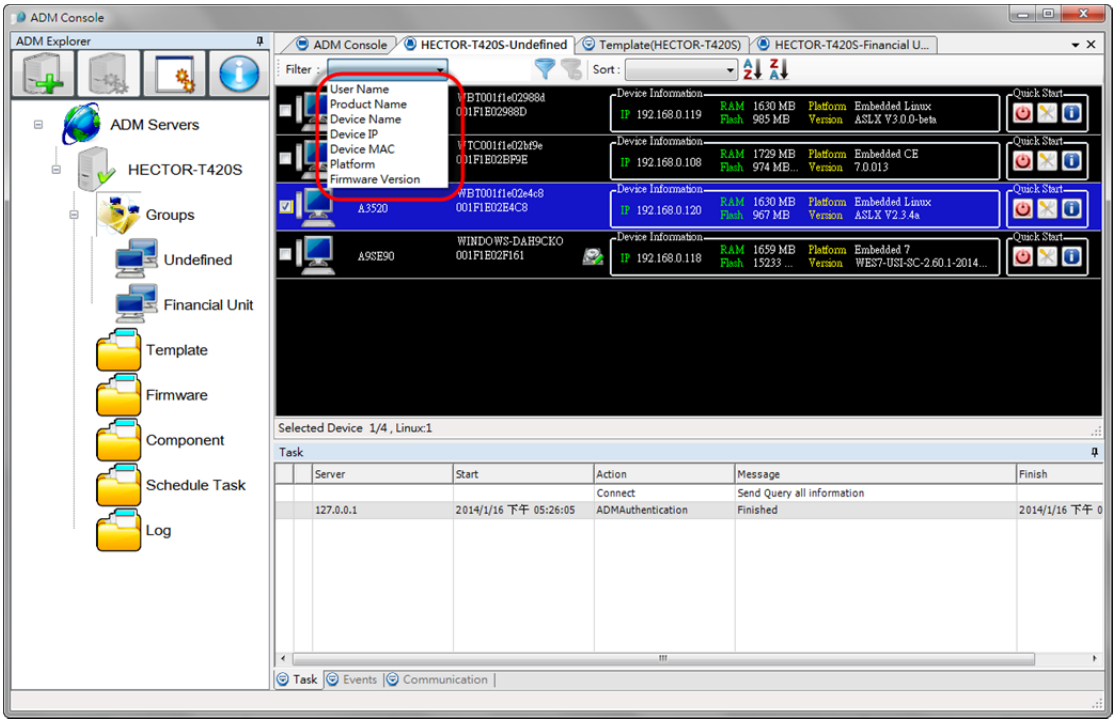


Figure: Filter Button

: Search device data.

: Clear search string.

4-7-6 Sort Your Device from List

When administrator manages all several of the devices, we also provide a device sorting to assist administrator quickly find managed device.

In **Undefined** console page, please select a Sort item, ADM Console will sort the devices from list by product name, computer name, IP, memory size, flash size, platform and version. You can click Sort icon (Ascending or Descending) to switch sort type.

Figure: Sort the Devices

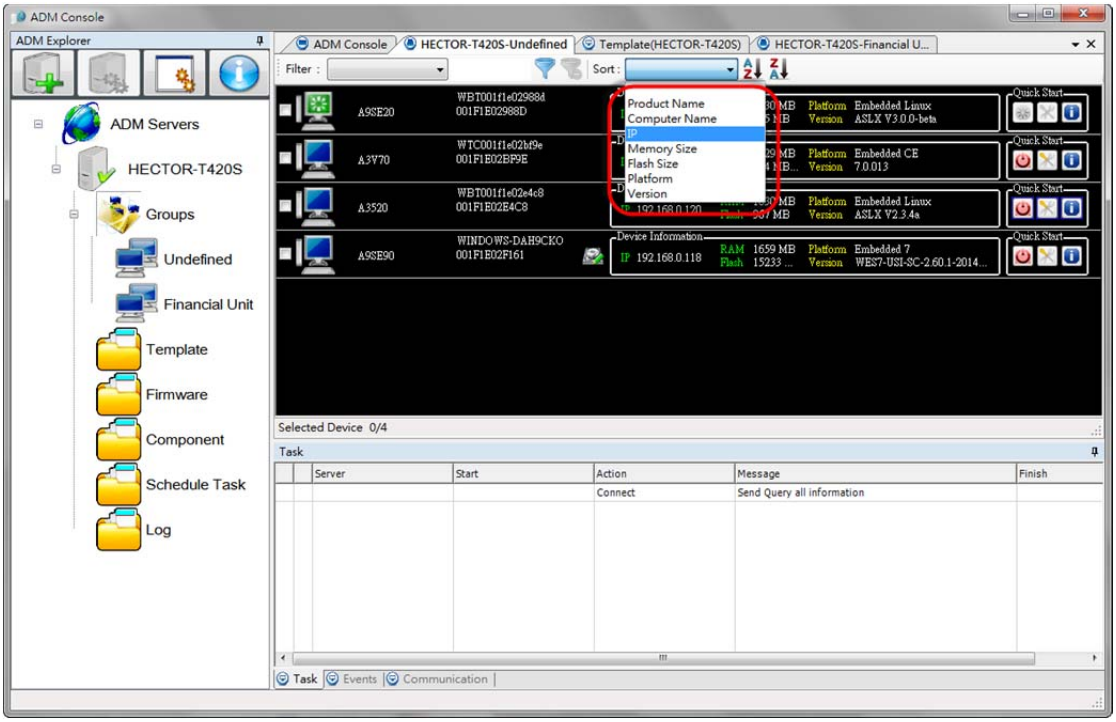


Figure: Sort Button

 : Ascend device data.

 : Descend device data.

4-7-7 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.

Table: List all of Operating System Support Device Properties (1)

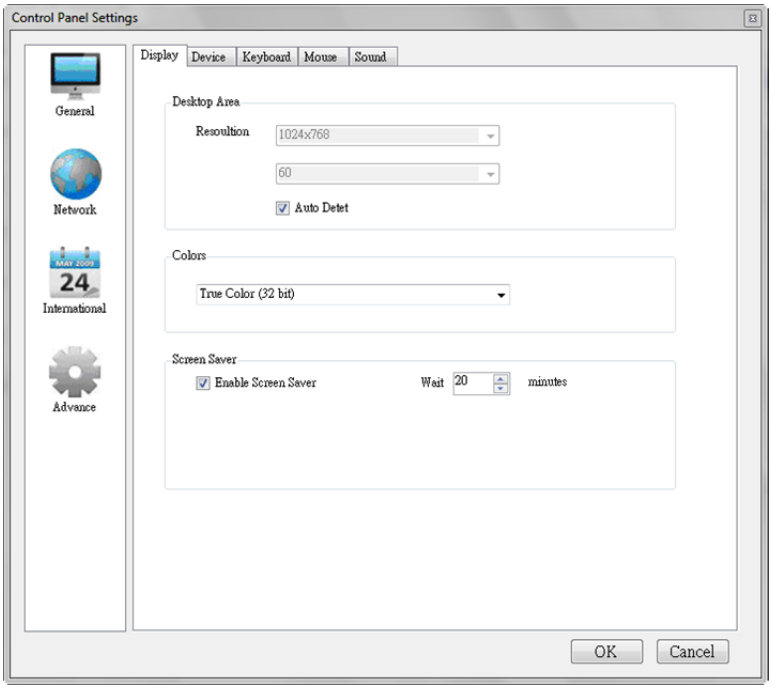
Items	Tabs	Details	WES 2009/ WES 7	WEC 7	Astec Linux 2.0
General	Display	Resolution		X	X
		Colors		X	X
		Screen Saver		X	X
	Device	Terminal Name/Group	X	X	X
		Terminal Description		X	
	Keyboard	Character repeat		X	X
		Initial State		X	X
	Mouse	Mouse Orientation		X	X
		Pointer Speed		X	X
	Sound	Volume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

Table: List all of Operating System Support Device Properties (2)

Items	Tabs	Details	WES 8	ThinWiz(1.0.0/1.5.0)
General	Display	Resolution		X
		Colors		X
		Screen Saver		X
	Device	Terminal Name/Group	X	X
		Terminal Description		
	Keyboard	Character repeat		X
		Initial State		X
	Mouse	Mouse Orientation		X
		Pointer Speed		X
	Sound	Volume		X
		Other Option		
Network	Network	IP Address	X	X
	DNS	DNS Server	X	X
		Wins Server	X	X
International	Regional	Time Zone		X
		Keyboard Layout		X
Advance	Security	Terminal Properties		X
		Administrator Password	X	
	User Interface	Shell Mode		
	VNC	Allow and Password	X	X
	Device Support	USB HID Device	X	
		USB Mass Storage Device	X	X
		USB Printer	X	
	Remote Manage	Connect	X	X
		Remote Mange Server	X	X
	Citrix	VDI Connect		X
	Domain	Active Directory SSO		

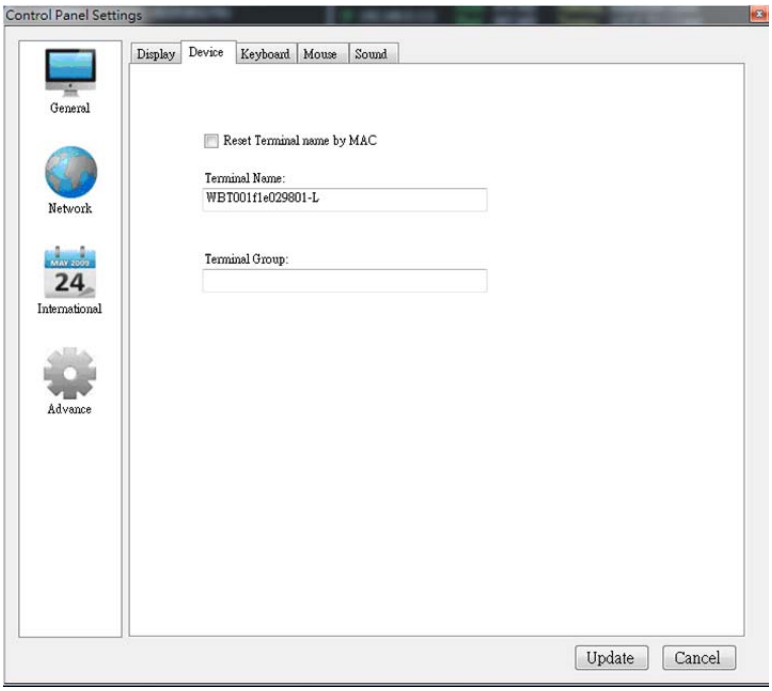
On **Display** tab of **General**, you can change display resolution, colors and wait minutes of screen saver.

Figure: Control Panel Settings Window – Display Tab of General



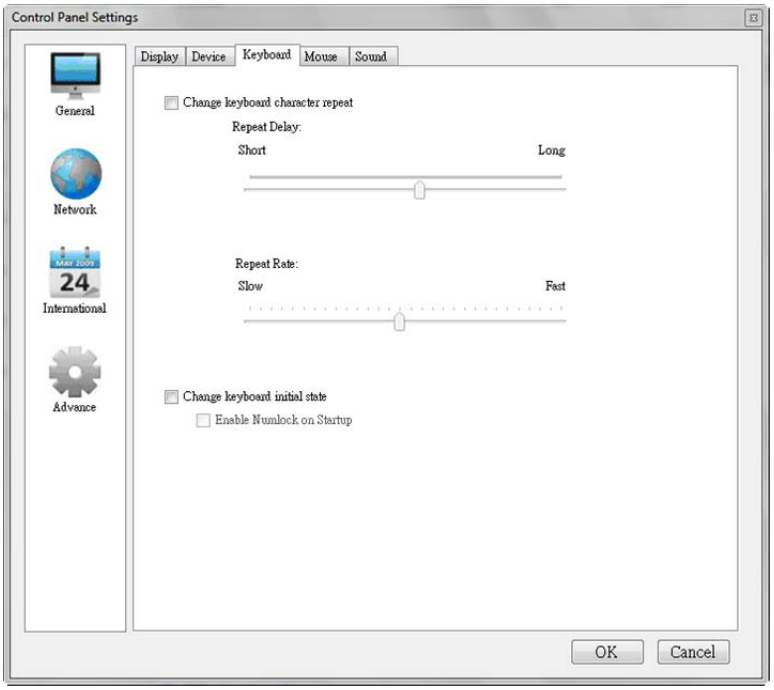
On **Device** tab of **General**, you can reset terminal name by MAC and change terminal name, terminal group and terminal description.

Figure: Control Panel Settings Window – Device Tab of General



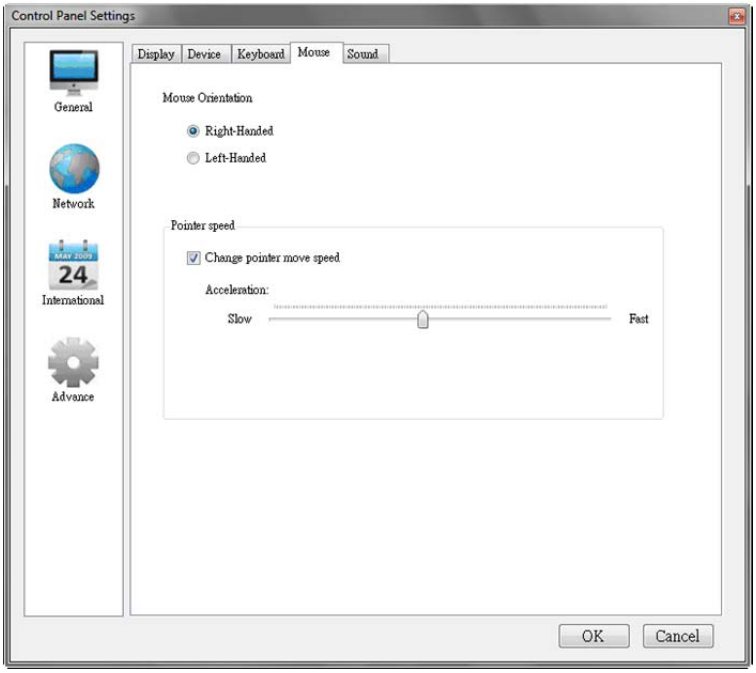
On **Keyboard** tab of **General**, you can change keyboard character repeat (including repeat delay and repeat rate) and keyboard initial state.

Figure: Control Panel Settings Window – Keyboard Tab of General



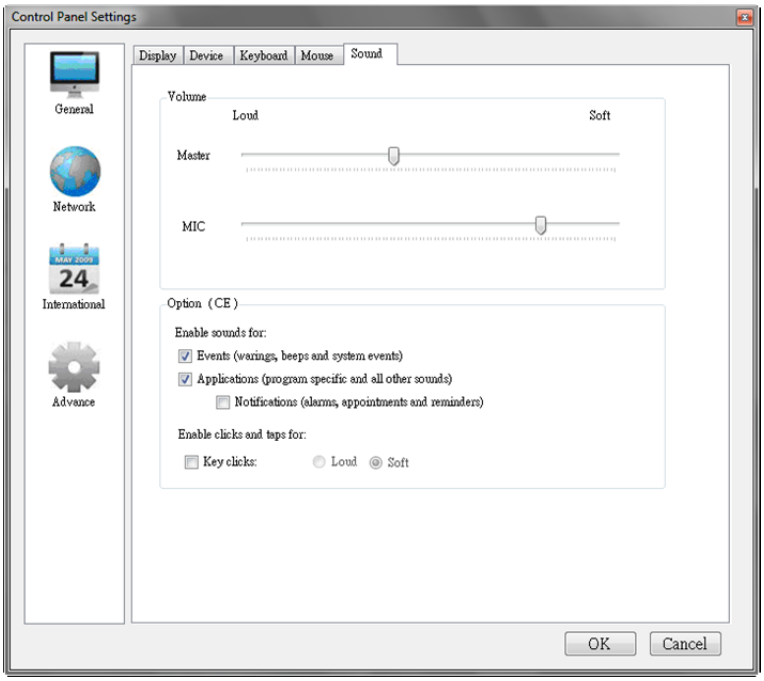
On **Mouse** tab of **General**, you can change mouse orientation (for example, right-handed or left-handed) and point speed.

Figure: Control Panel Settings Window – Mouse Tab of General



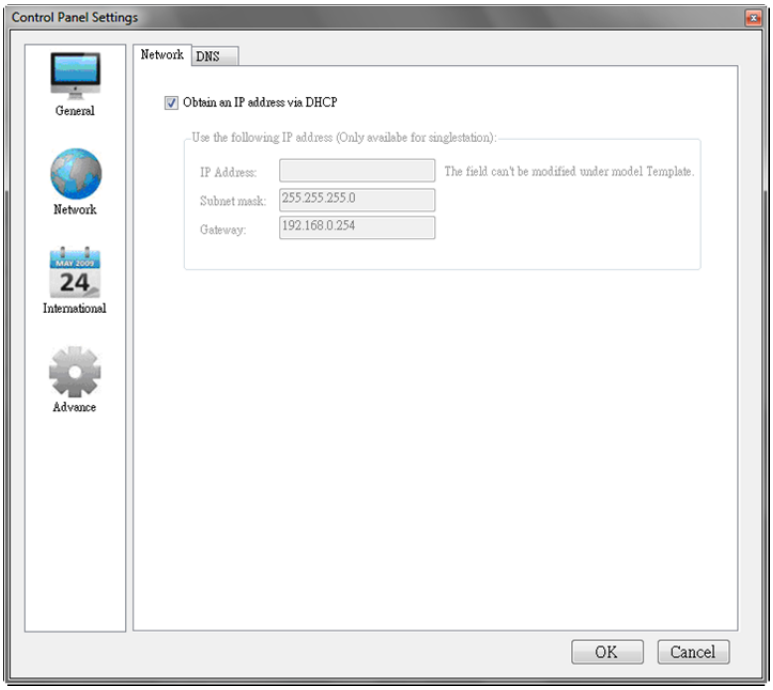
On **Mouse** tab of **General**, you can change volume (including Speaker and MIC) and point speed, enable sounds for events and application, and enable clicks and taps for key clicks.

Figure: Control Panel Settings Window – Sound Tab of General



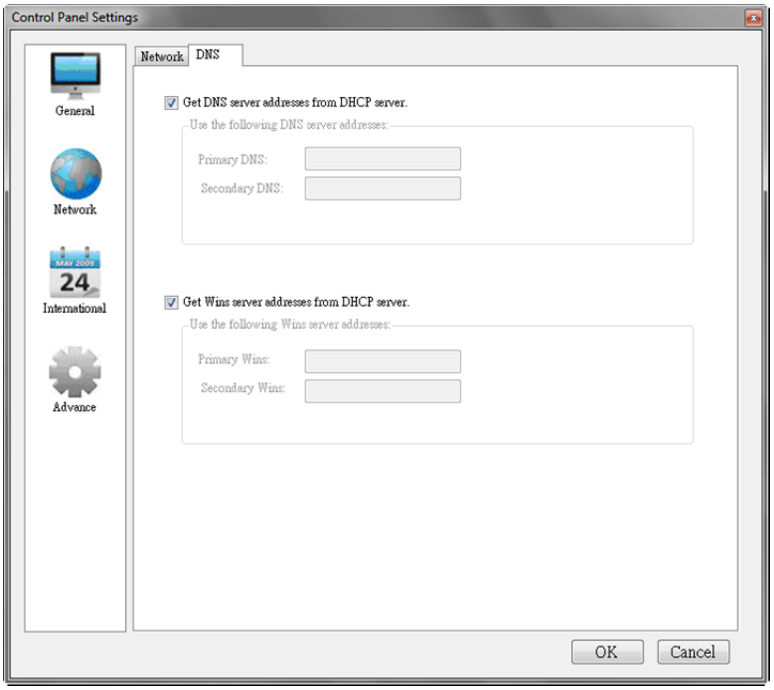
On **Network** tab of **Network**, you can set up IP address manually.

Figure: Control Panel Settings Window – Network Tab of Network



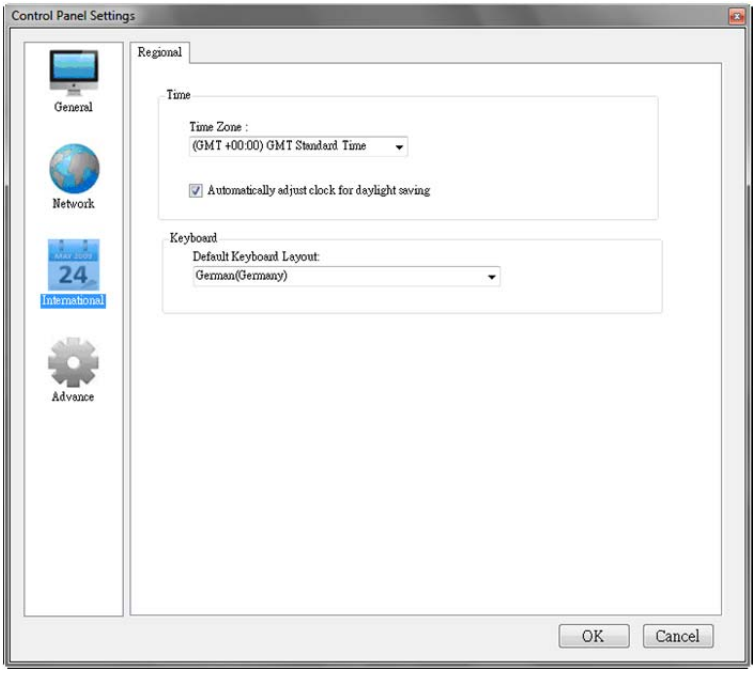
On **DNS** tab of **Network**, you can set up DNS server (primary or secondary) or Wins server (primary or secondary) manually.

Figure: Control Panel Settings Window – DNS Tab of Network



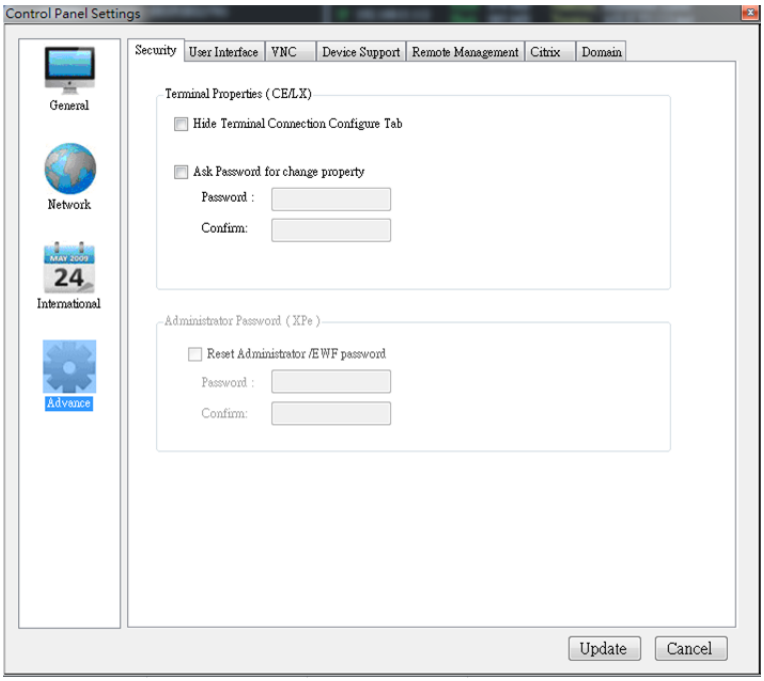
On **Regional** tab of **International**, you can change time zone and default keyboard layout.

Figure: Control Panel Settings Window – Regional Tab of International



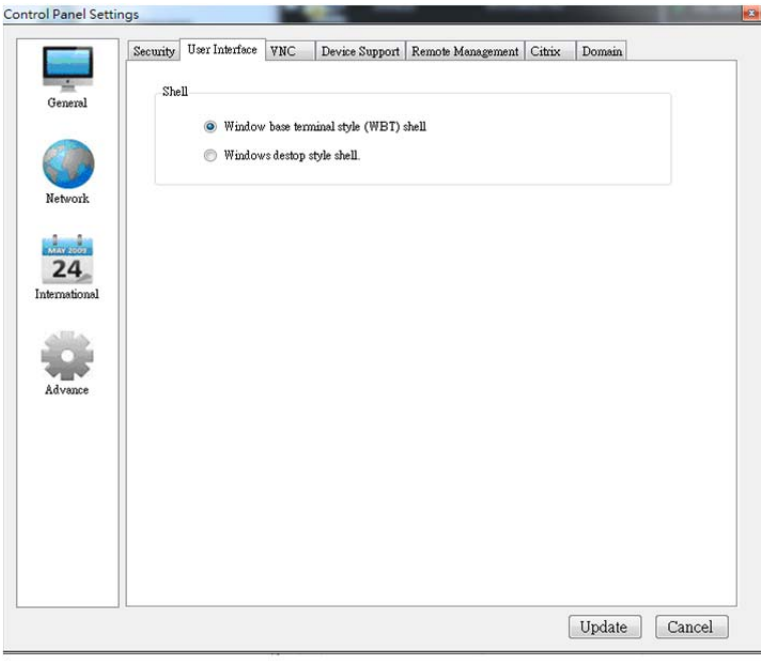
On **Security** tab of **Advance**, you can turn terminal properties on or off, or reset administrator/EWF password.

Figure: Control Panel Settings Window – Security Tab of Advance



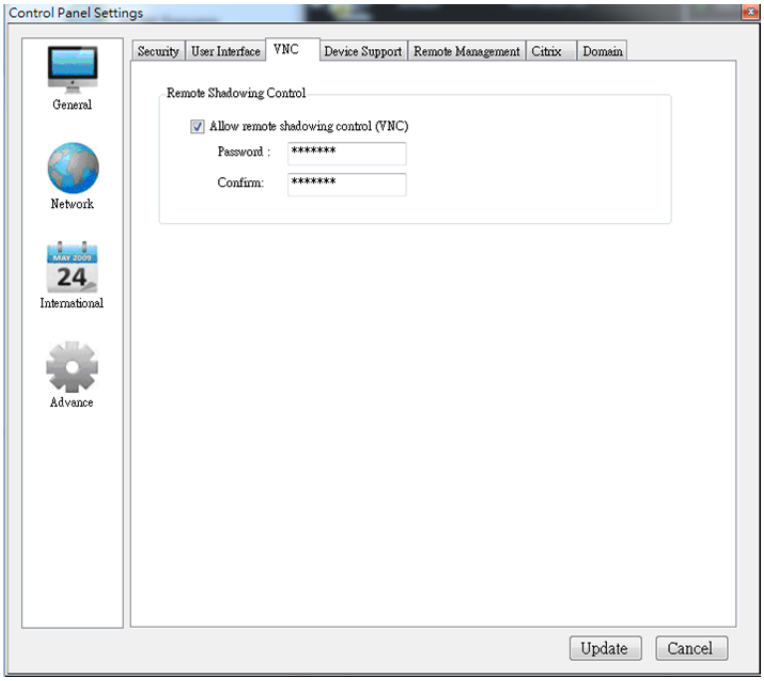
On **User Interface** tab of **Advance**, you can change shell mode (including WBT and Desktop mode).

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.

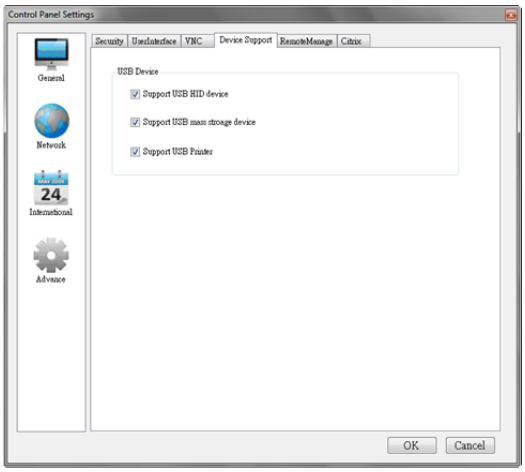
Figure: Control Panel Settings Window – VNC Tab of Advance



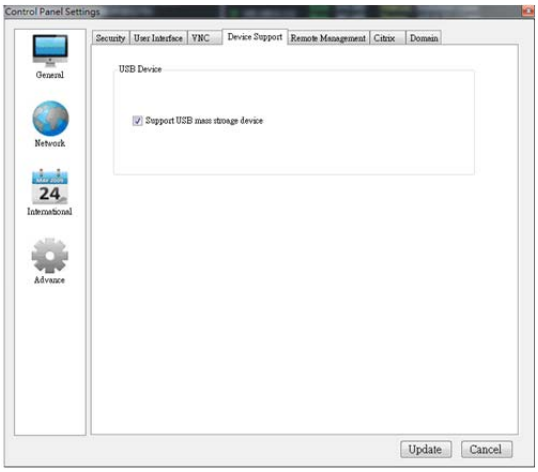
On **Device Support** tab of **Advance**, you can select supported USB device, including HID device, mass storage device and printer.

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

Windows series as below:

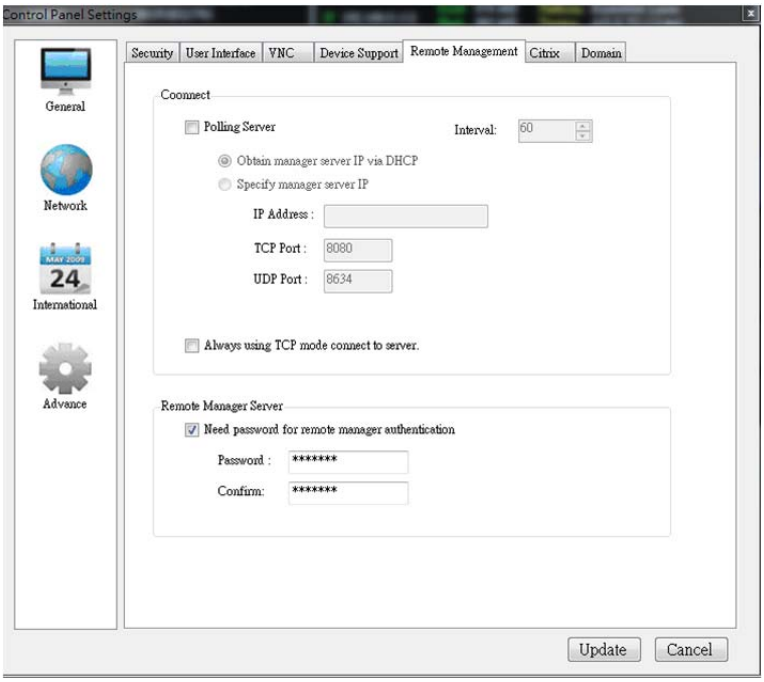


Linux platform:



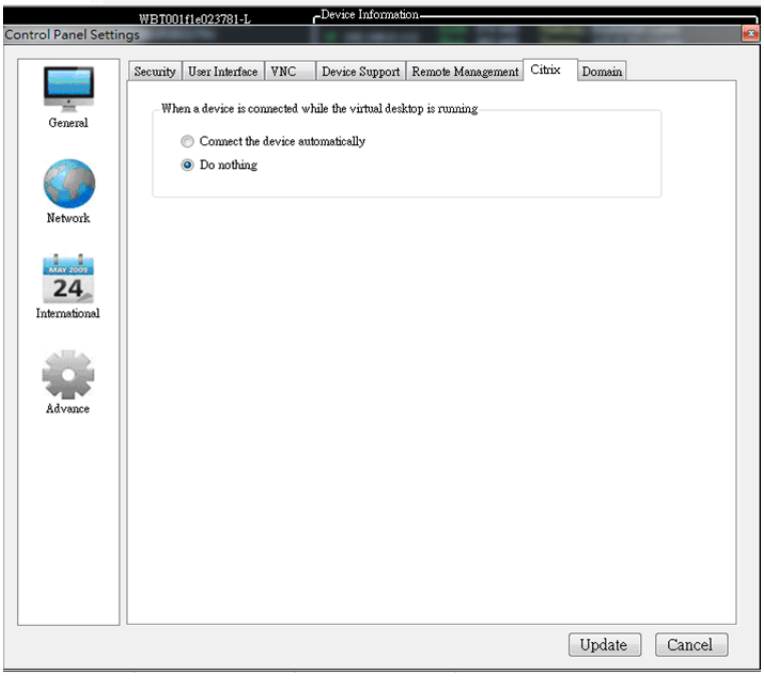
On **Remote Manage** tab of **Advance**, you can set up polling server for the device broadcasting to ADM server, or reset password for remote manage authorize.

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

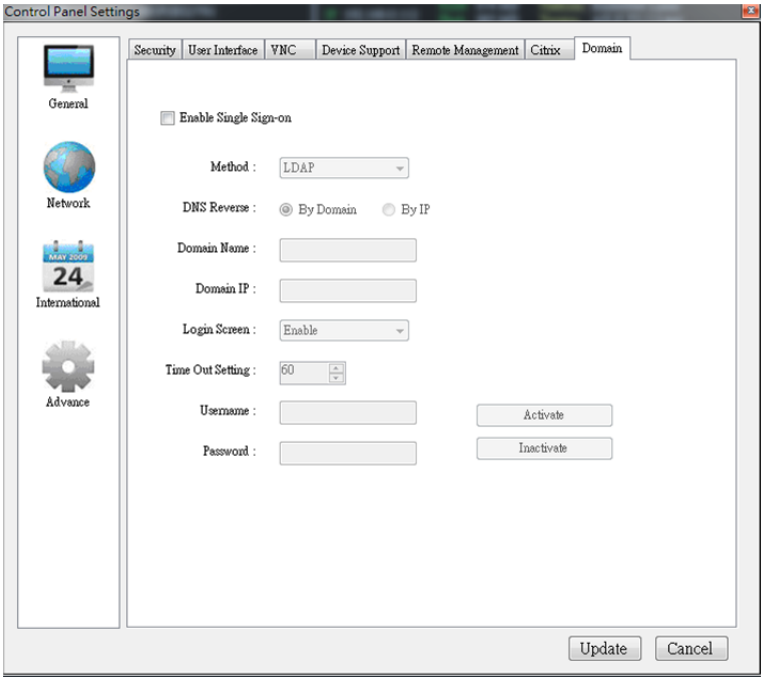


On **Citrix** tab of **Advance**, you can select whether connect the device automatically for Citrix virtual desktop is running when a device is connected.

Figure: Control Panel Settings Window – Citrix Tab of Advance



On **Domain** tab of **Advance**, This feature supports Astec Linux only.



4-7-8 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 ,Astec Linux 2.0 and ThinWiz(1.0.0/1.5.0) clients.

Figure: Connect Host Wizard

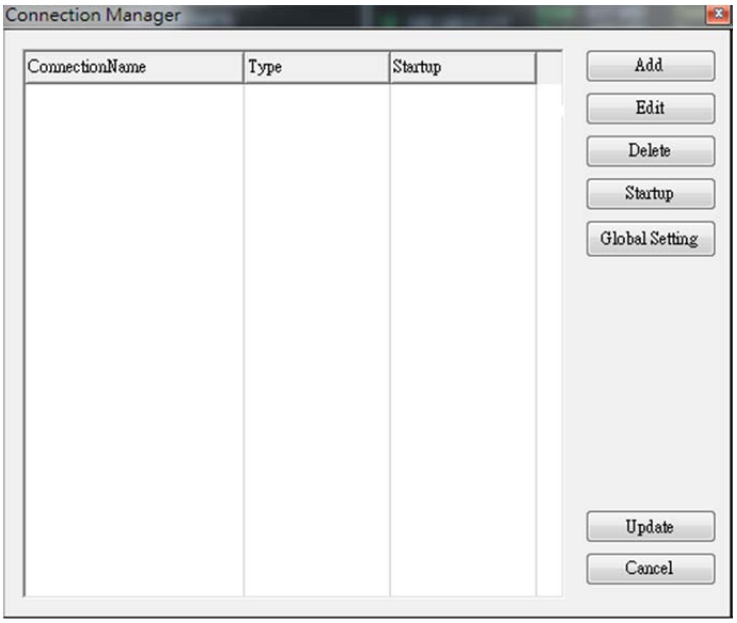


Figure: Connect Host Wizard(ThinWiz)

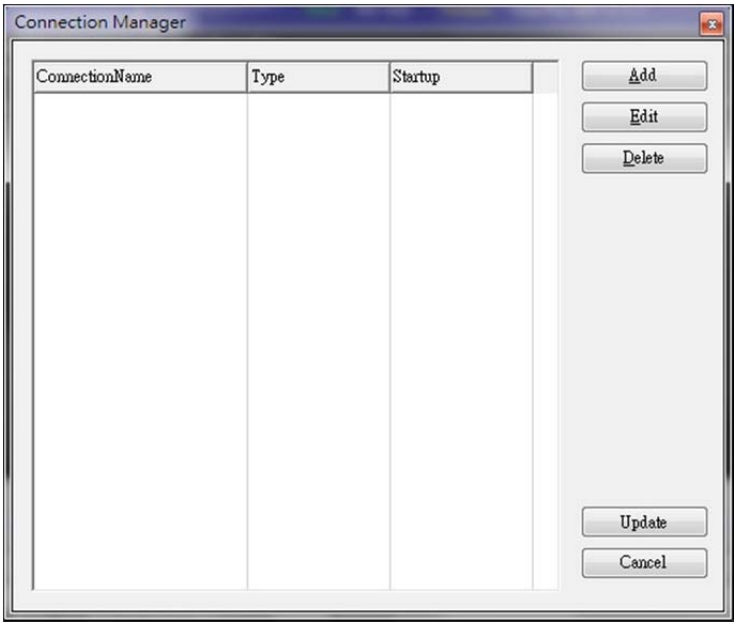


Figure: New Connection Dialog Box

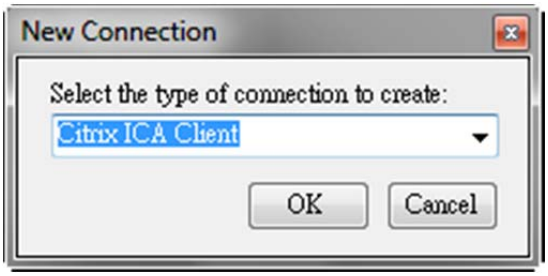


Figure: New Connection Dialog Box (ThinWiz)



Table: List all of OS Support Connection Type

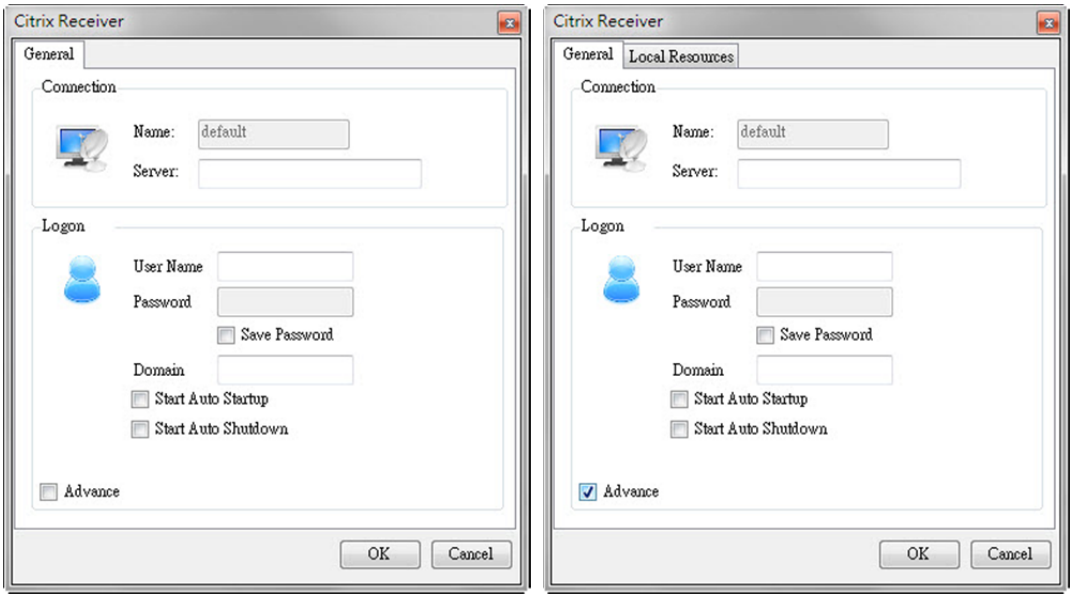
Connection Type	WEC 7	Astec Linux 2.0	ThinWiz 1.0.0/1.5.0
Citrix ICA Client	X	X	
Citrix Receiver			X
Microsoft Remote Desktop Client	X	X	X
Microsoft Remote Apps		X	
VMware View		X	X
Web Browser	X	X	
X11 Client		X	
VNC Viewer		X	
Telnet		X	
SPICE Client		X	

ThinWiz – Citrix Receiver:

If you choose **Citrix Receiver**, please enter sever IP address/domain name/User Name/Password/Doamin in dialog box.

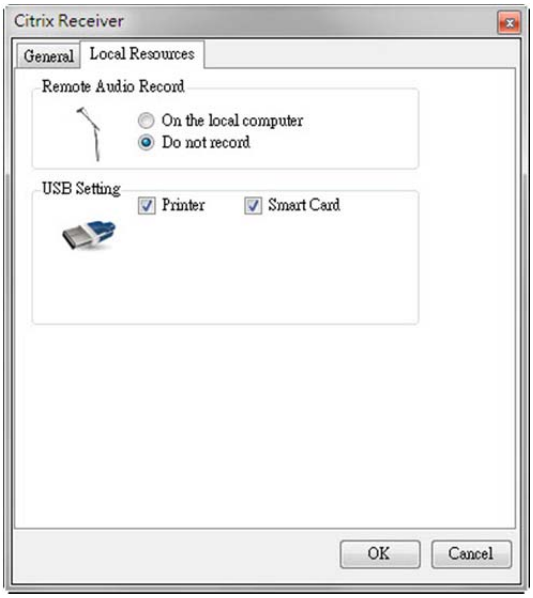
The **General** tab display about login settings, you are able to enter user name, password and domain, and select whether auto-login system after connecting server.

Figure: Connection Settings Dialog Box for Citrix Receiver



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

Figure: Connection Settings Dialog Box for Citrix Receiver - Local Resources Tab

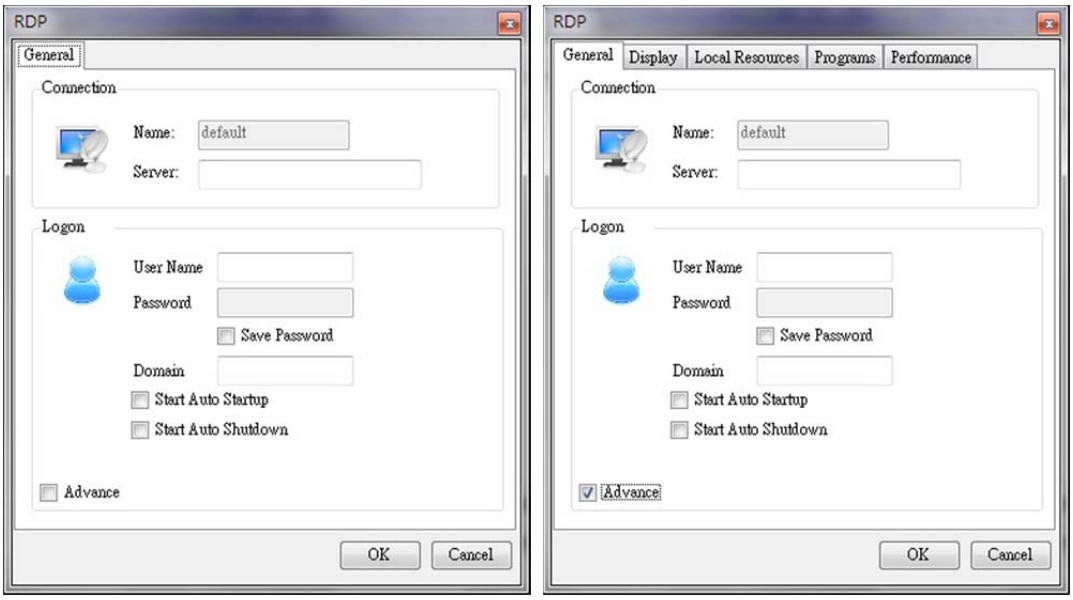


ThinWiz – Microsoft Remote Desktop Client(RDP)

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

The **General** tab display about login settings, you are able to enter user name, password and domain, and select whether auto-login system after connecting server.

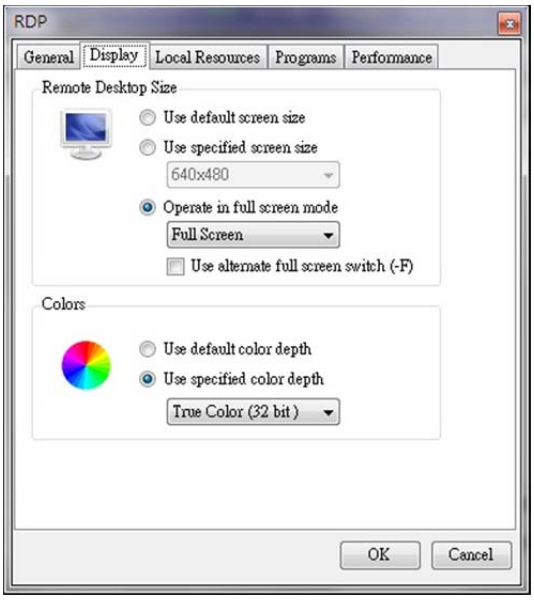
Figure: Connection Settings Dialog Box for RDP – Login Tab



P.s: Click **Advance** then open other tab.

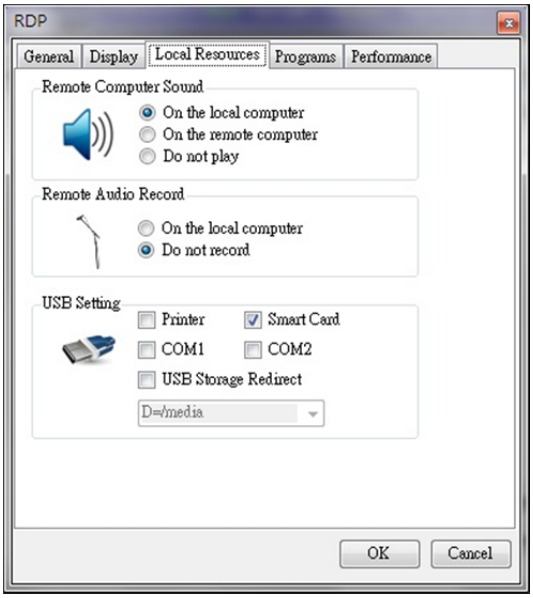
The **Display** tab display about screen settings, you are able to select whether use full screen system after login system.

Figure: Connection Settings Dialog Box for RDP – Display Tab



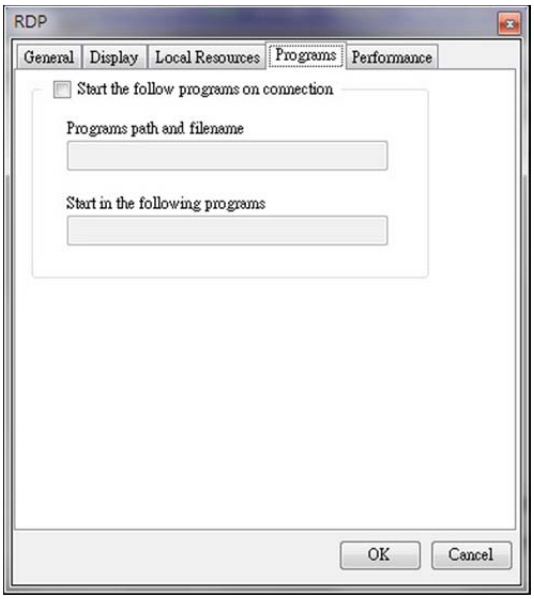
The **Local Resources** tab display about Sound/Audio/USB settings, you are able to select whether use Sound/Audio/USB device redirection after login system.

Figure: Connection Settings Dialog Box for RDP – Local Resources Tab



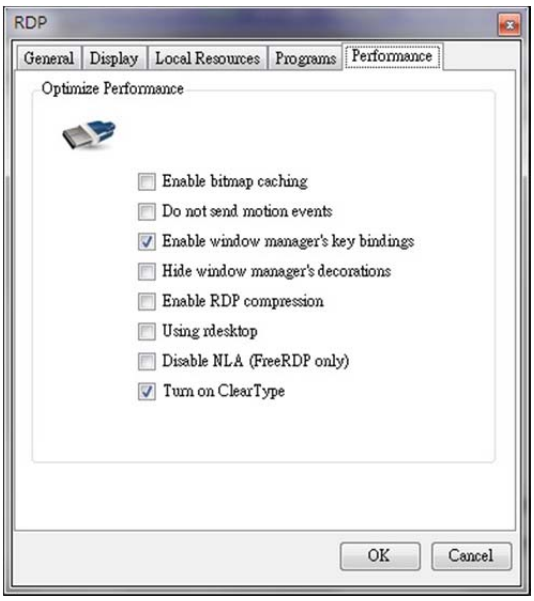
The **Programs** tab can set the program which launch after connection activate.

Figure: Connection Settings Dialog Box for RDP – Programs Tab



The **Performance** tab can set the performance which launch after connection activate.

Figure: Connection Settings Dialog Box for RDP –Performance Tab

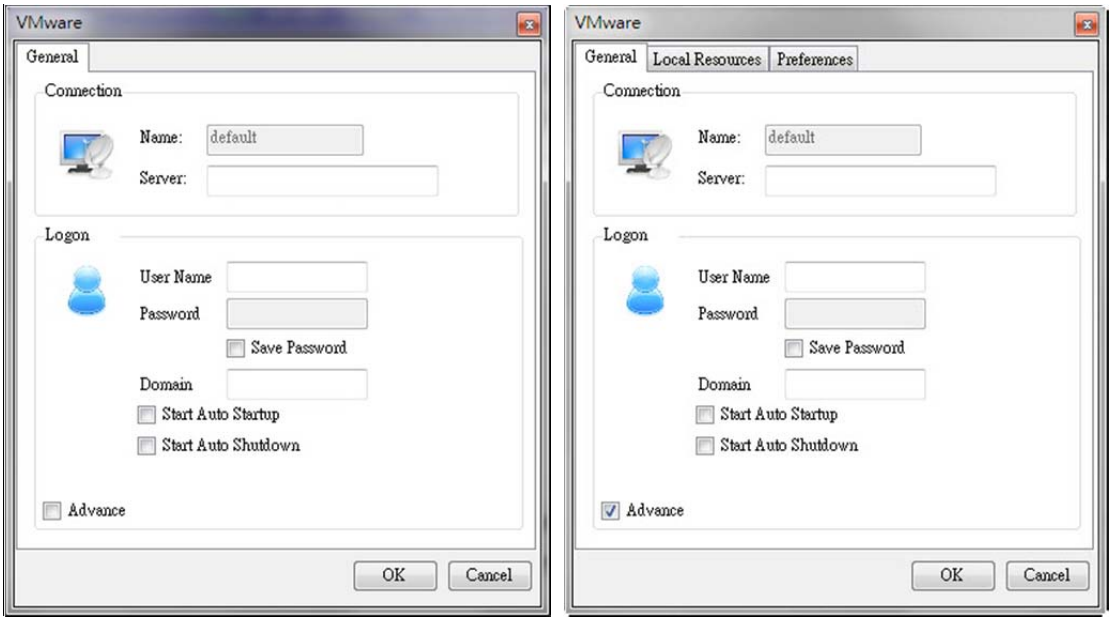


ThinWiz – VMware View

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

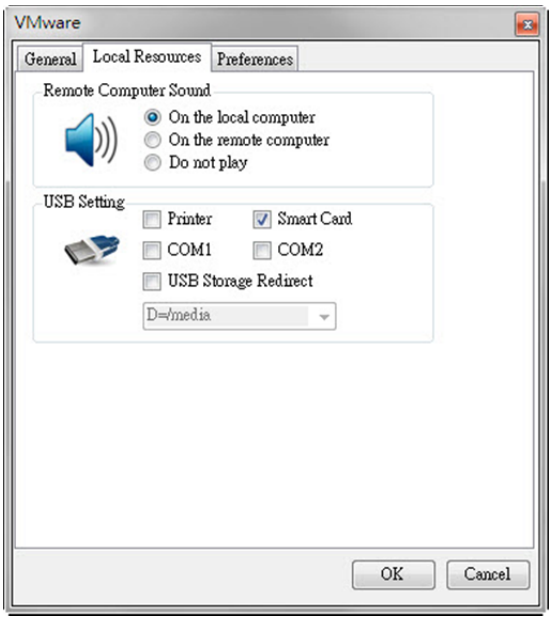
You can use **Advance** to open advanced settings, the **Login** tab display about login settings, you are able to enter user name, password and domain, and select whether auto-login system after connecting server.

Figure: Connection Settings Dialog Box for VMware View – General



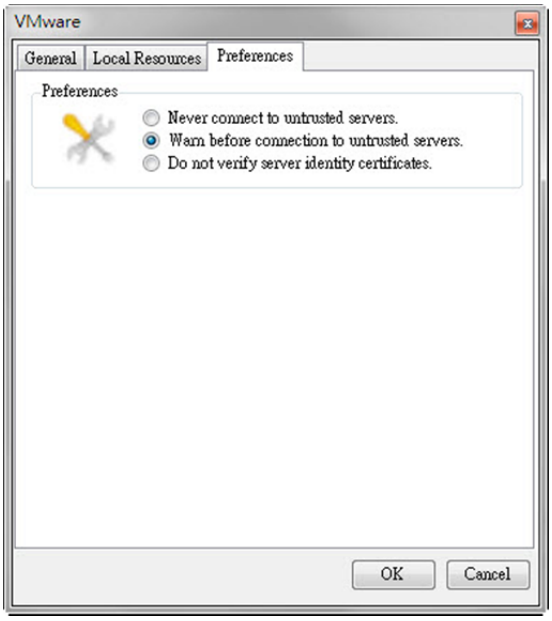
The **Local Resources** tab display about Sound/Audio/USB settings, you are able to select whether use Sound/Audio/USB device redirection after login system.

Figure: Connection Settings Dialog Box for VMware View – Local Resources Tab



The **Performance** tab can set the performance which launch after connection activate.

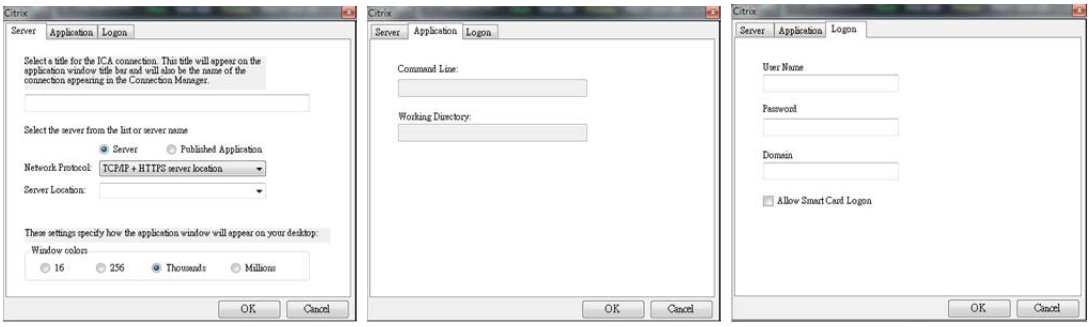
Figure: Connection Settings Dialog Box for VMware View – Preferences Tab



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, domain name and select weather logon Citrix server through smart card.

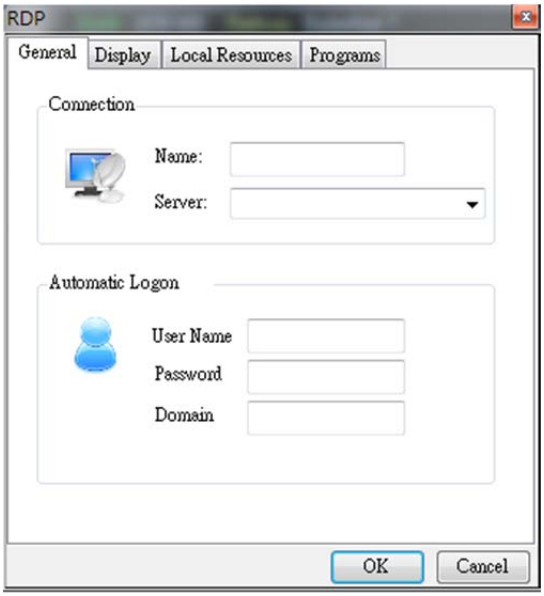
Figure: Connection Settings Dialog Box for Citrix ICA Client



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

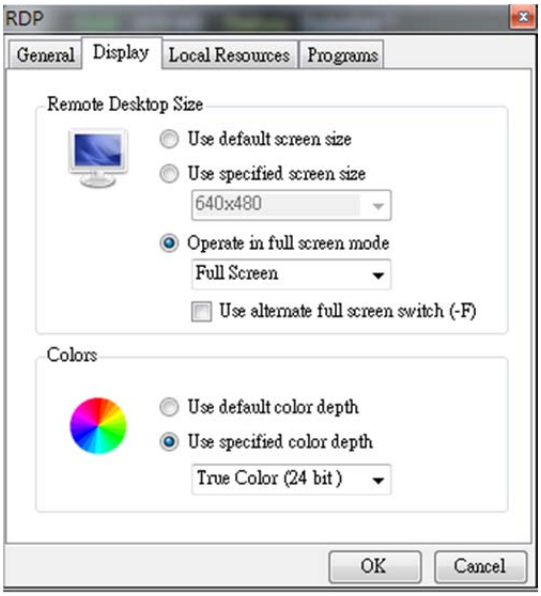
The **General** tab display about login settings, you are able to enter user name, password and domain, and select whether auto-login system after connecting server.

Figure: Connection Settings Dialog Box for RDP – Login Tab



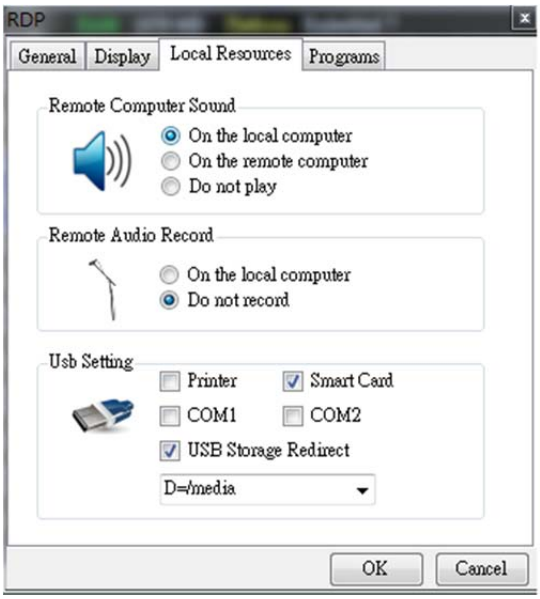
The **Display** tab display about screen settings, you are able to select whether use full screen system after login system.

Figure: Connection Settings Dialog Box for RDP – Display Tab



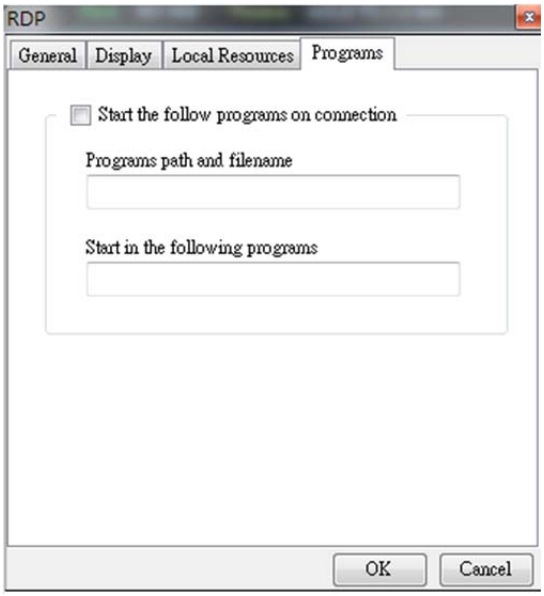
The **Local Resources** tab display about Sound/Audio/USB settings, you are able to select whether use Sound/Audio/USB device redirection after login system.

Figure: Connection Settings Dialog Box for RDP – Local Resources Tab



The **Programs** tab can set the program which launch after connection activate.

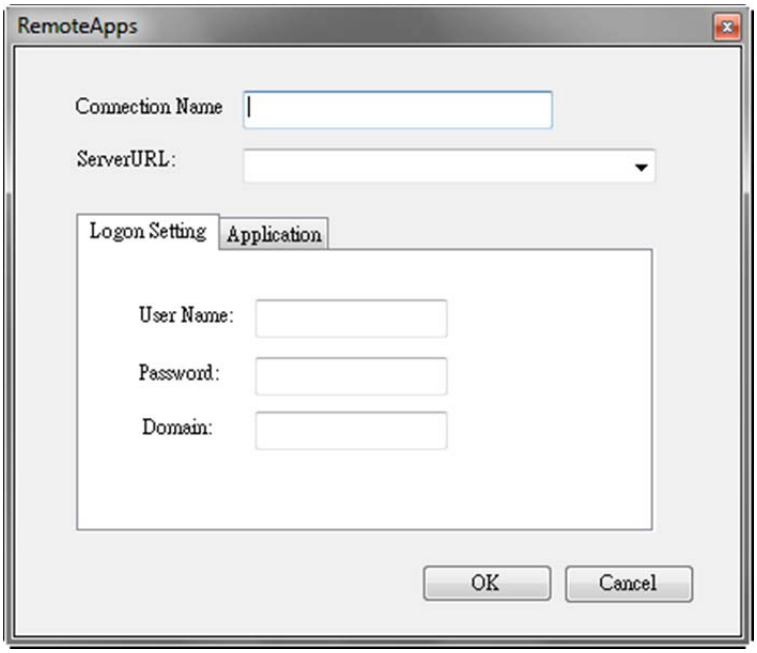
Figure: Connection Settings Dialog Box for RDP – Programs Tab



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

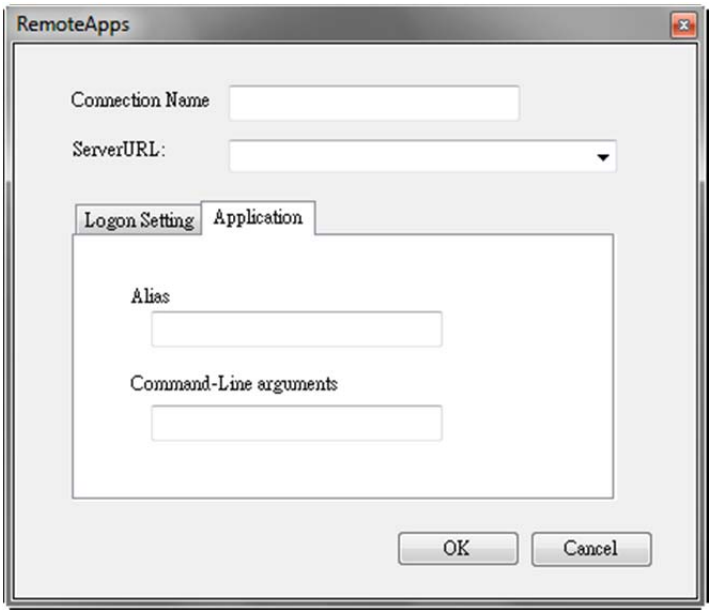
The **Logon Setting** tab display about login settings, you are able to enter user name, password and domain.

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



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).

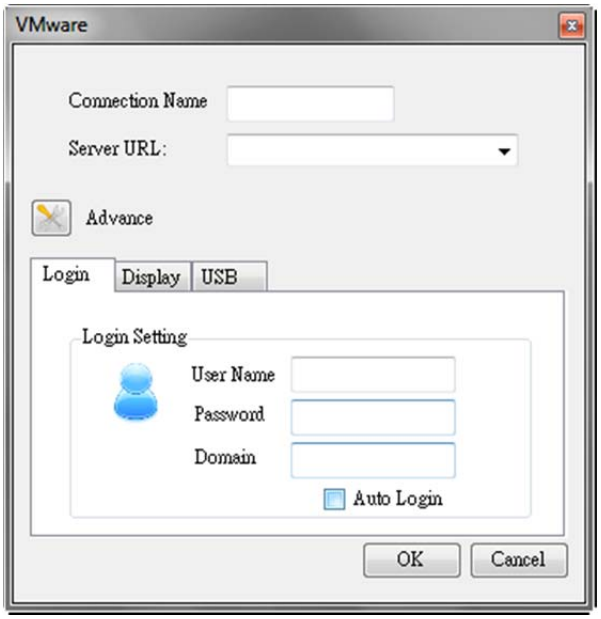
Figure: Connection Settings Dialog Box for Remote Apps – Application Tab



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

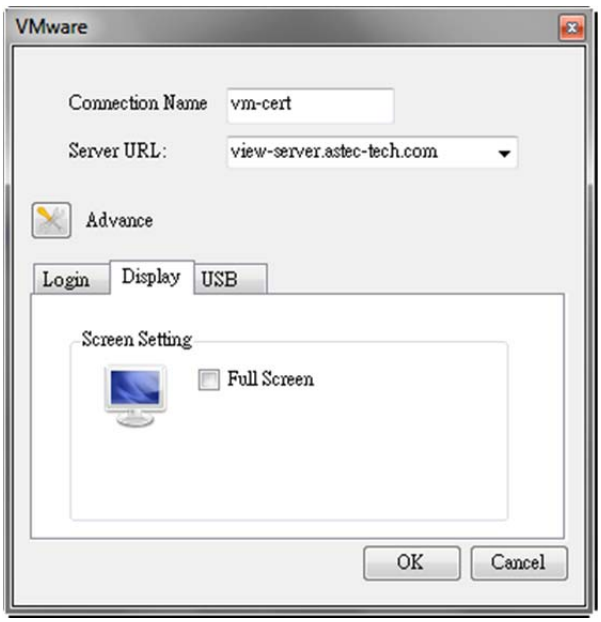
You can use **Advance** to open advanced settings, the **Login** tab display about login settings, you are able to enter user name, password and domain, and select whether auto-login system after connecting server.

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



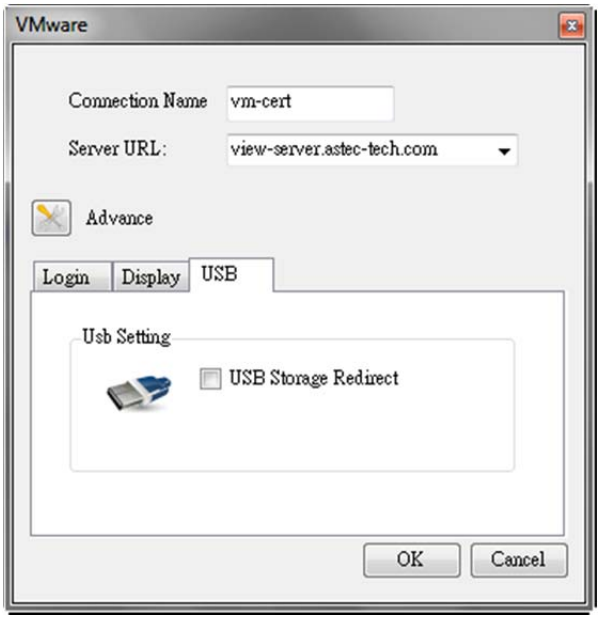
The **Display** tab display about screen settings, you are able to select whether use full screen system after login system.

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



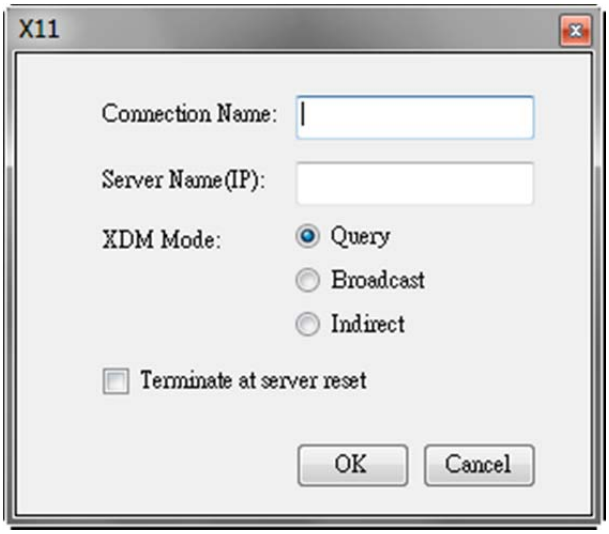
If you choose **Web Browser**, please enter connection name and start page URL in dialog box.

Figure: Connection Settings Dialog Box for Web Browser



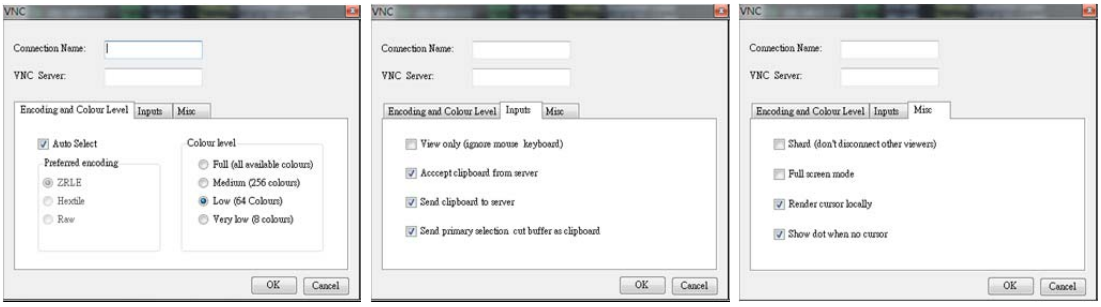
If you choose **X11 Client**, please enter connection name and VNC server IP address, select a XDM Mode in dialog box.

Figure: Connection Settings Dialog Box for X 11 Clients



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



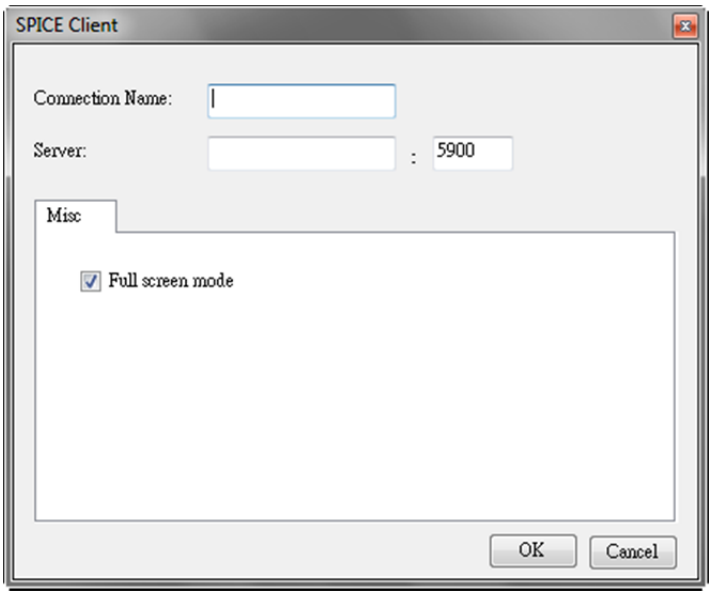
If you choose **Telnet**, please enter connection name, server IP address/domain name and user name in dialog box.

Figure: Connection Settings Dialog Box for Telnet



If you choose **SPICE Client**, please enter connection name, SPICE server IP address/domain name and server port (default is 5900) in dialog box.

Figure: Connection Settings Dialog Box for SPICE Client



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

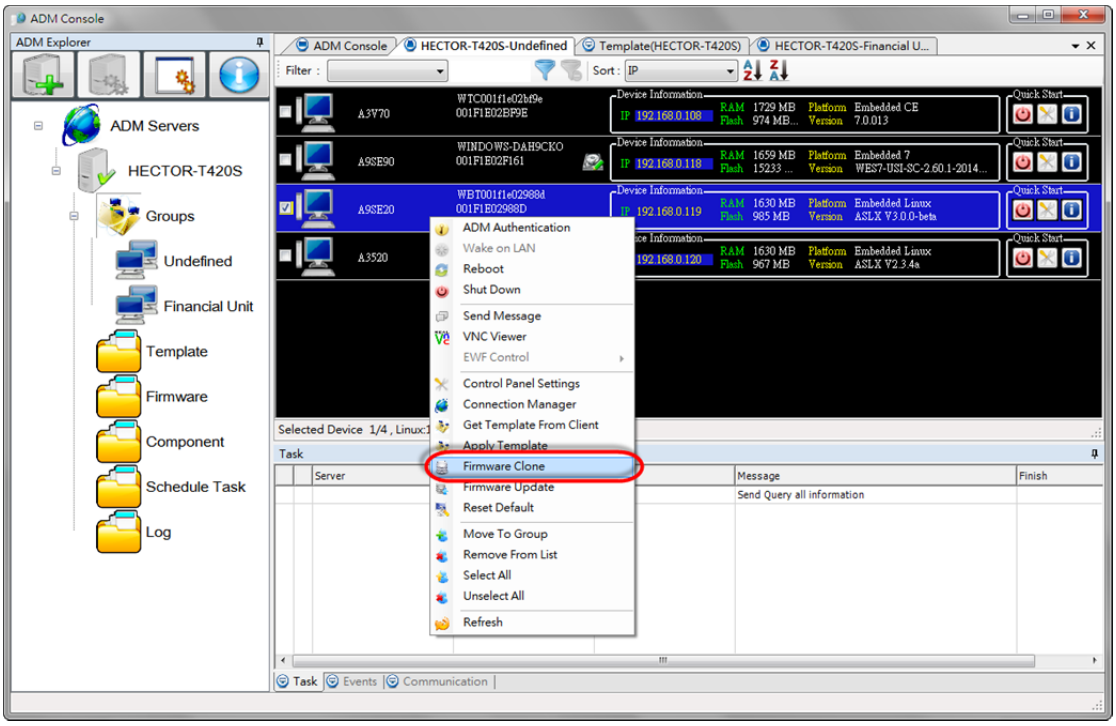
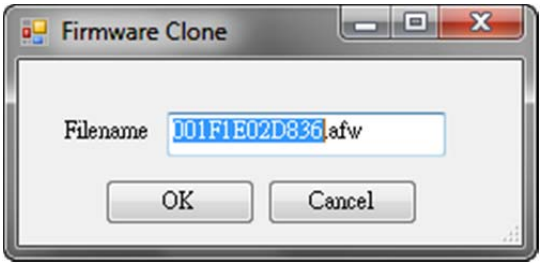


Figure: Firmware Clone Dialog Box



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 Import** 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

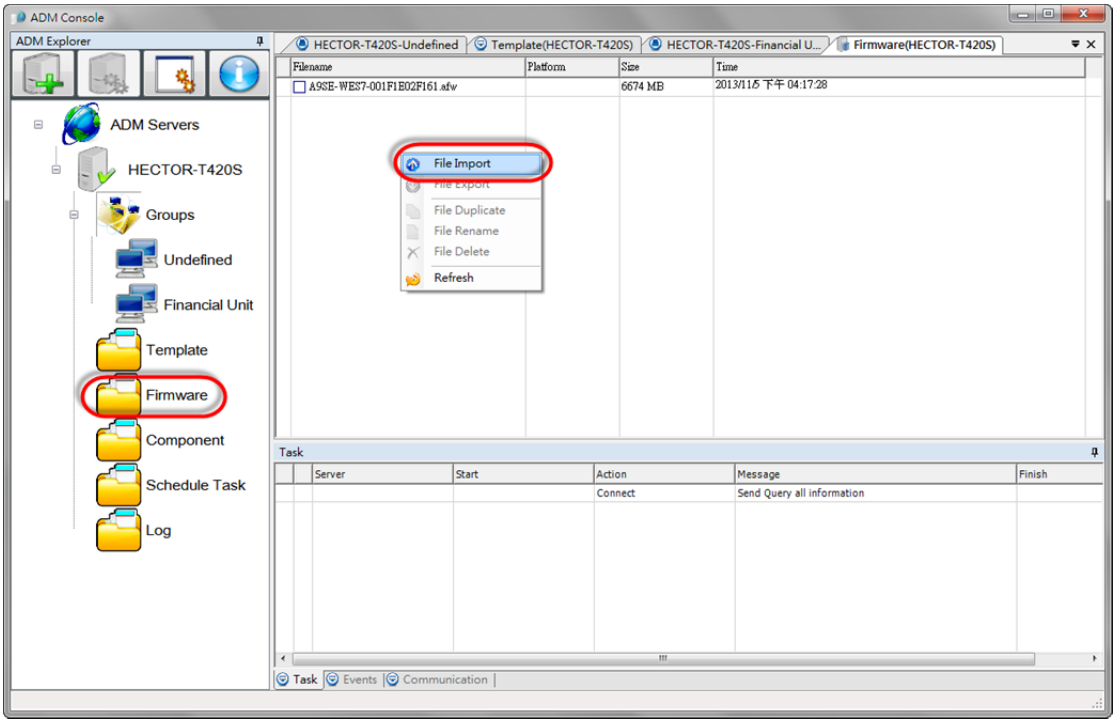


Figure: Import an Image File Dialog Box

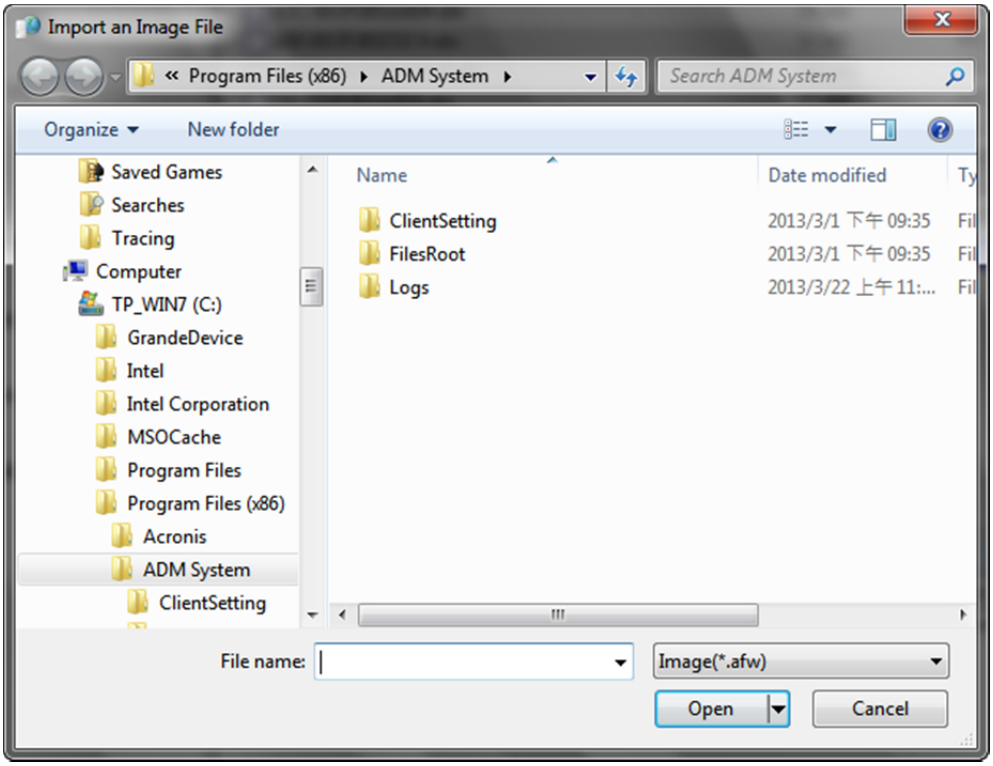
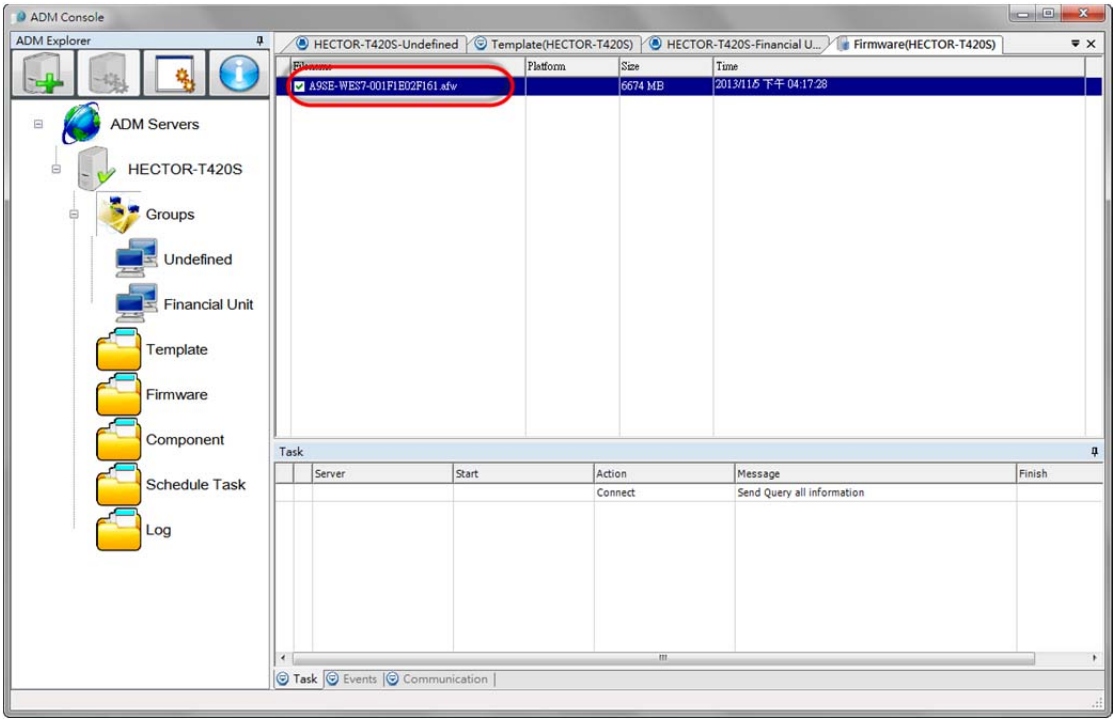


Figure: Import Firmware Image File to Finish



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

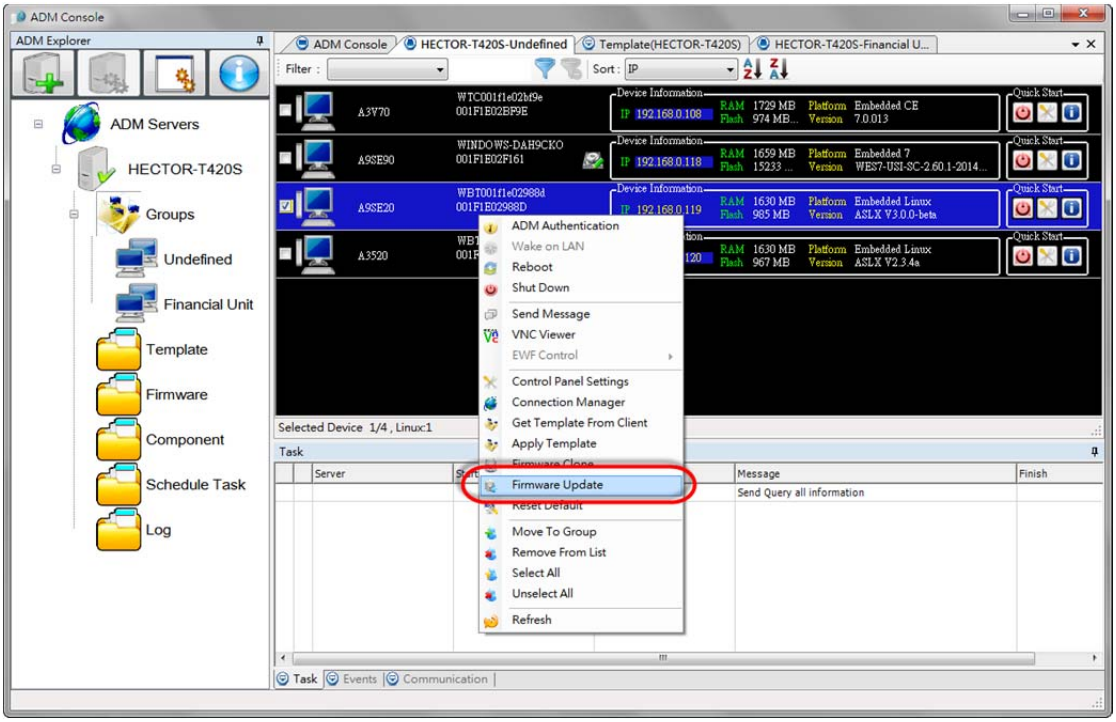
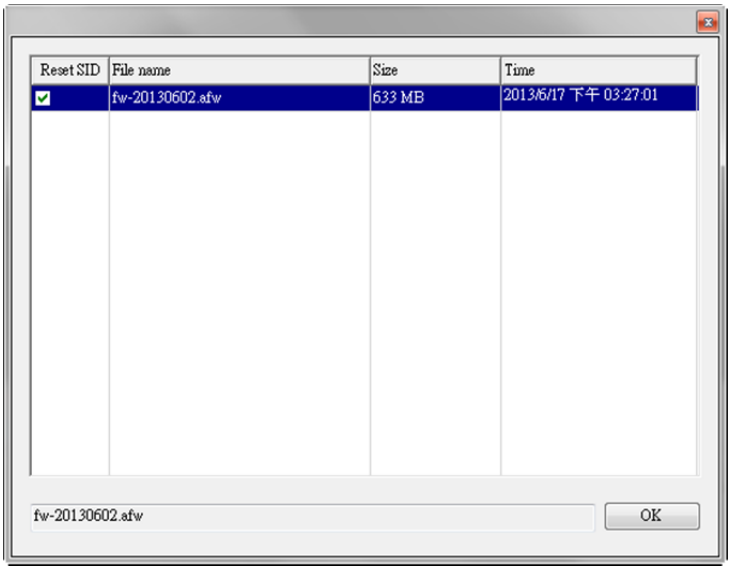


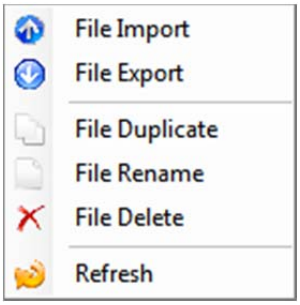
Figure: Firmware Image File Dialog Box



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

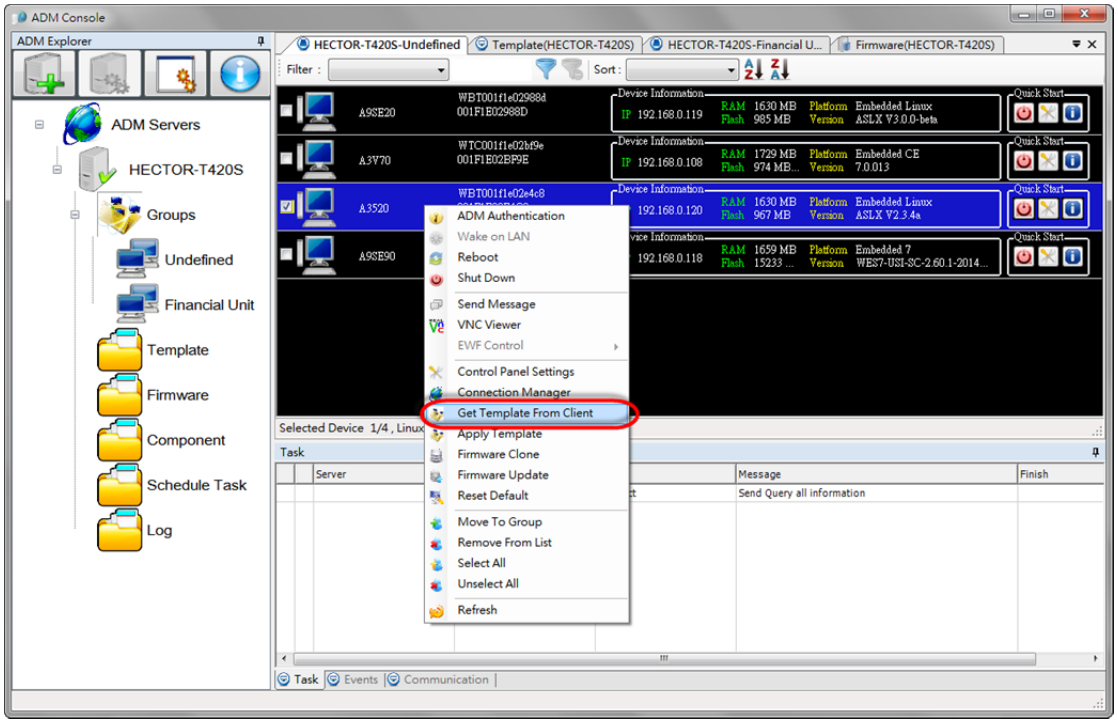
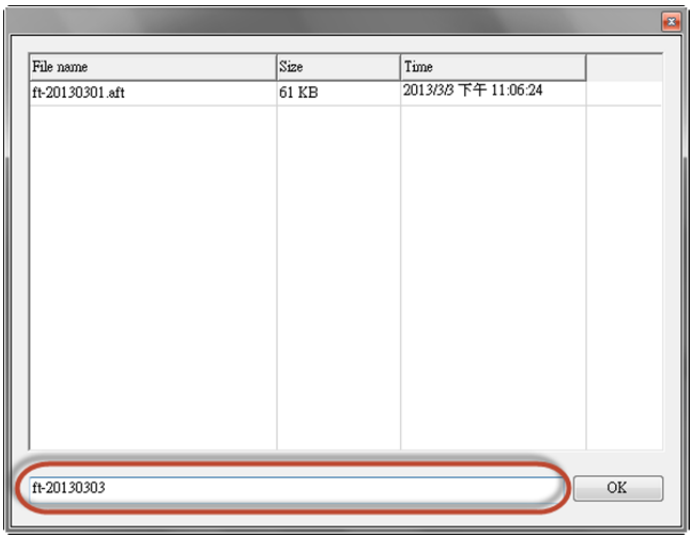


Figure: Template File Dialog Box



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 Import** 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.

Figure: Import Template File from Local Computer

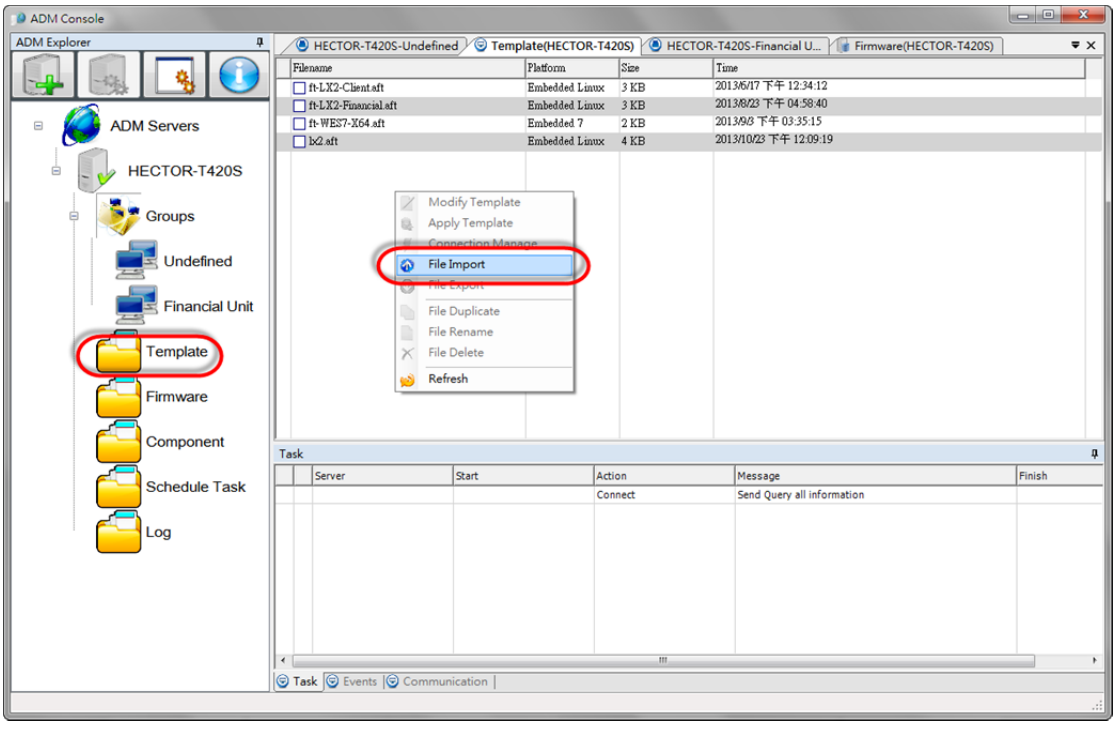


Figure: Upload an Template File Dialog Box

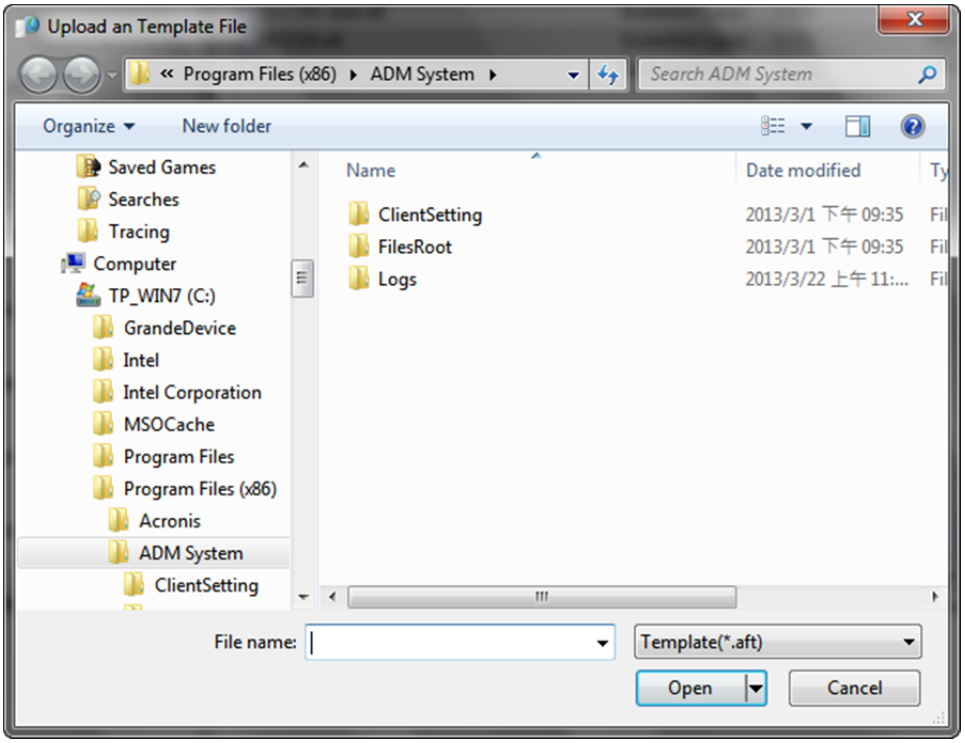
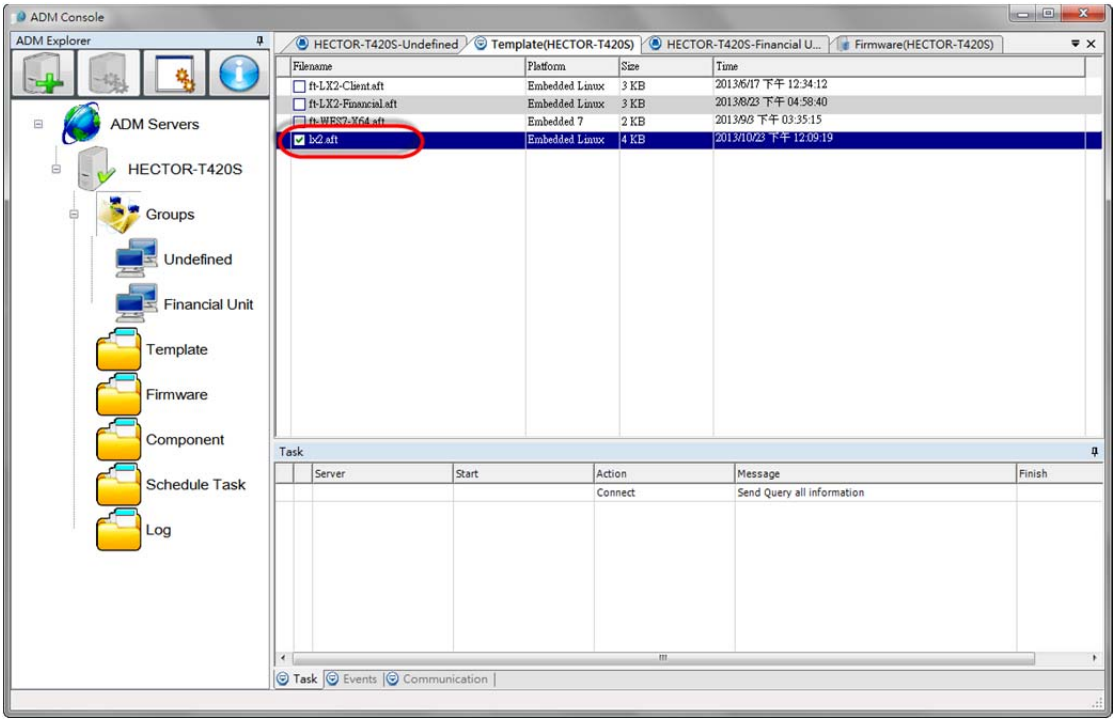


Figure: Import Template File to Finish



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

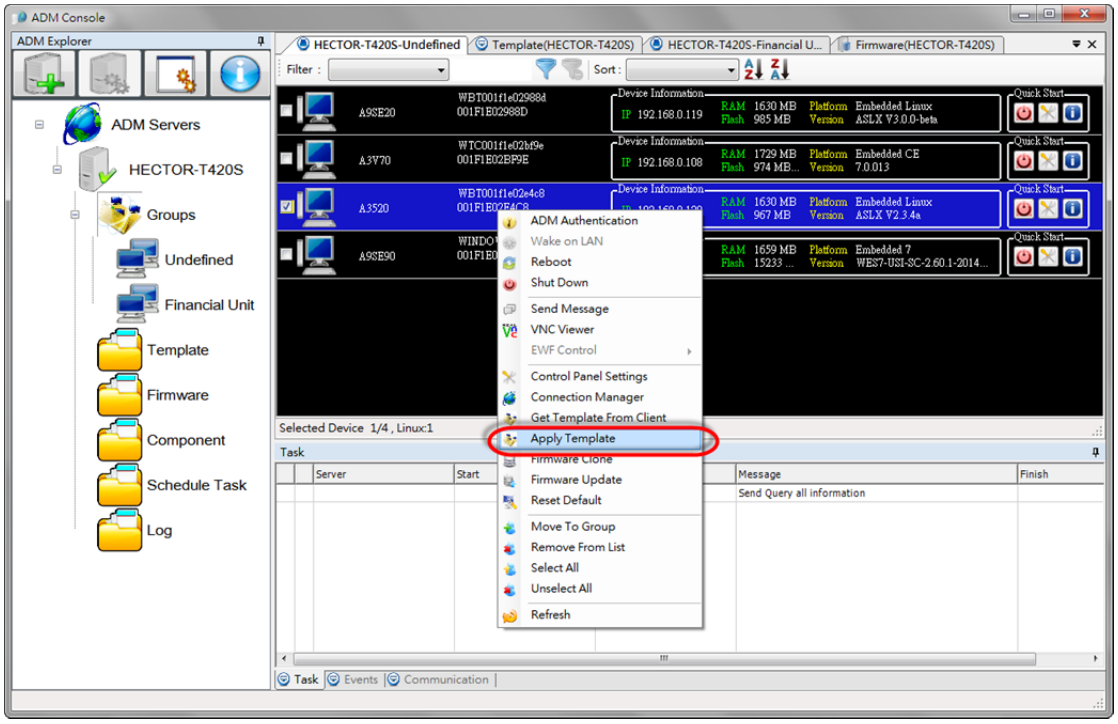
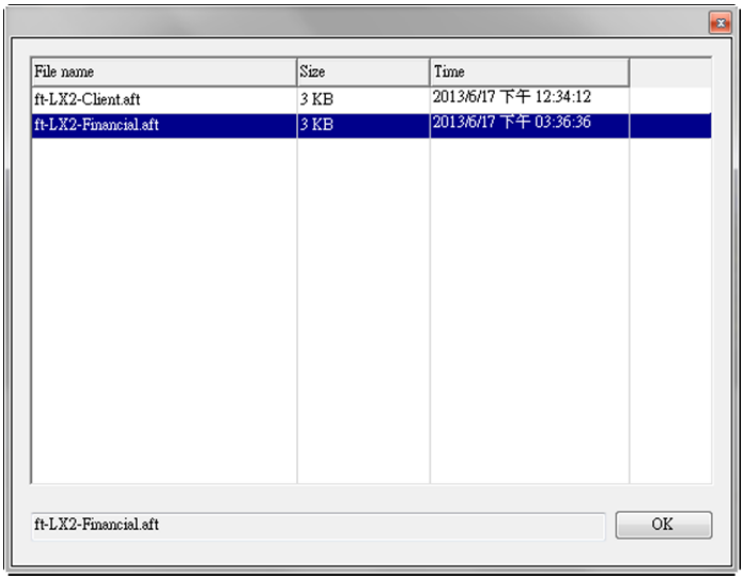


Figure: Template File Dialog Box



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.

Figure: Apply to Update Thin Client from Template Console Page

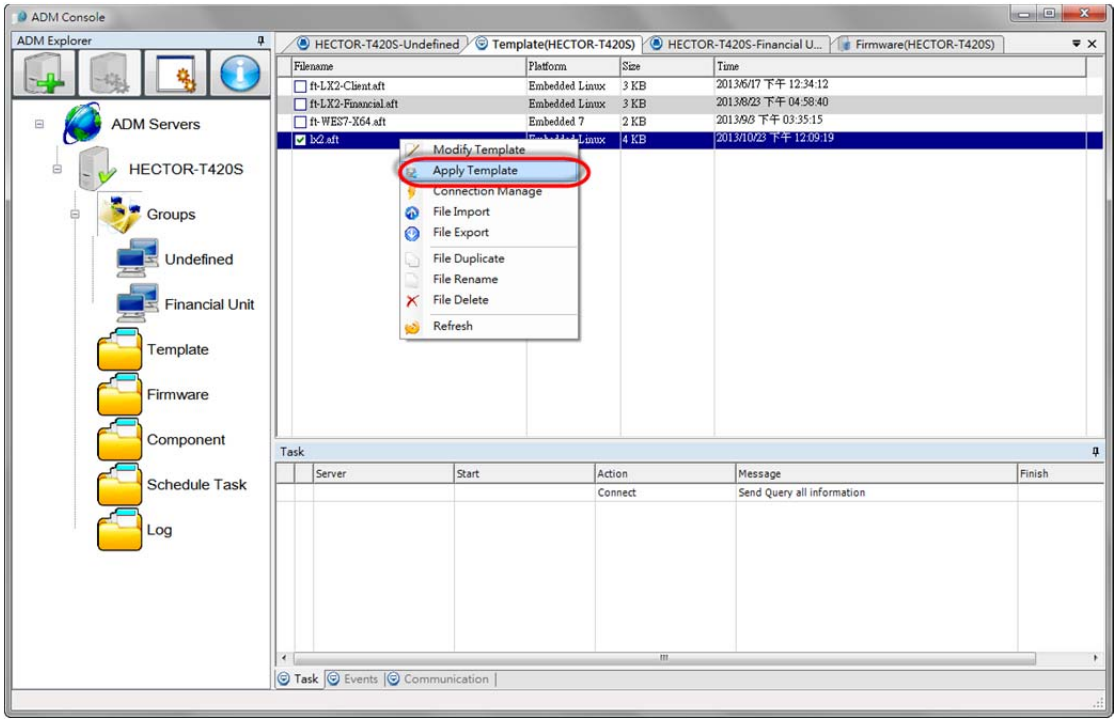
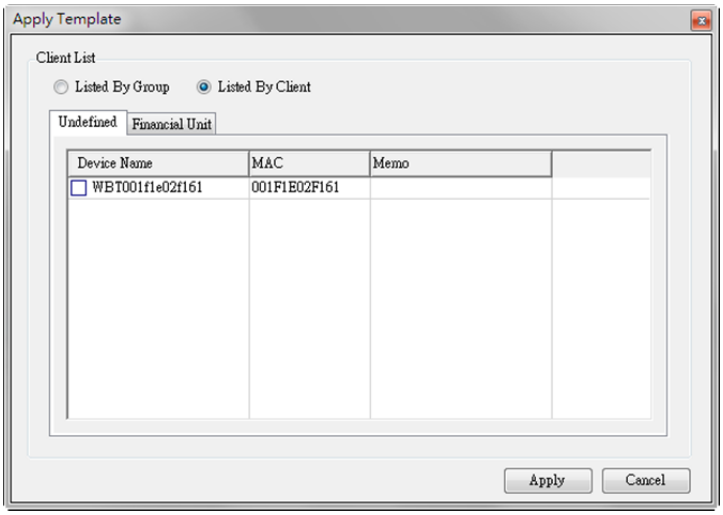


Figure: Client List Dialog Box



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 "Change Device Properties".

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

Figure: Right-Click Context Menu for maintaining Template File

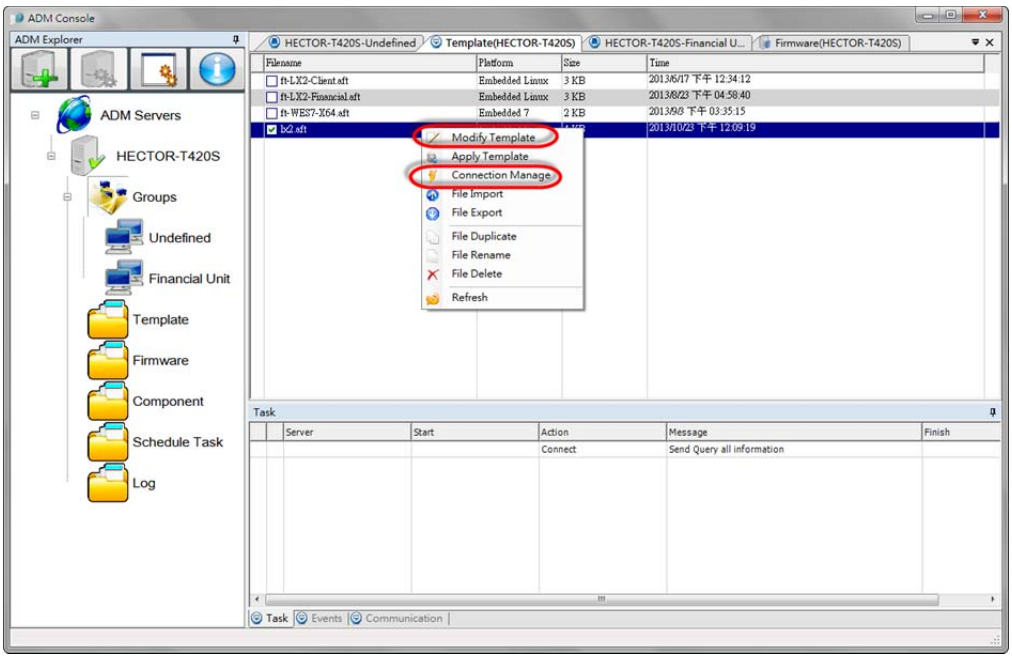
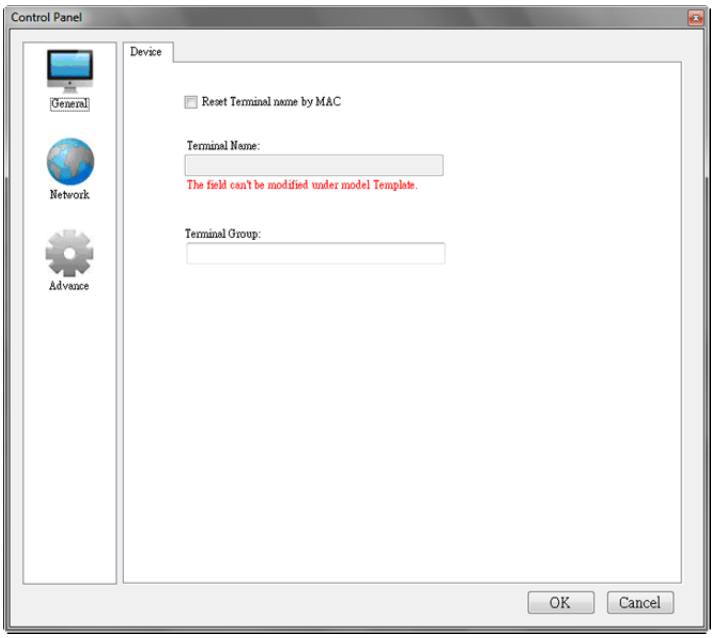
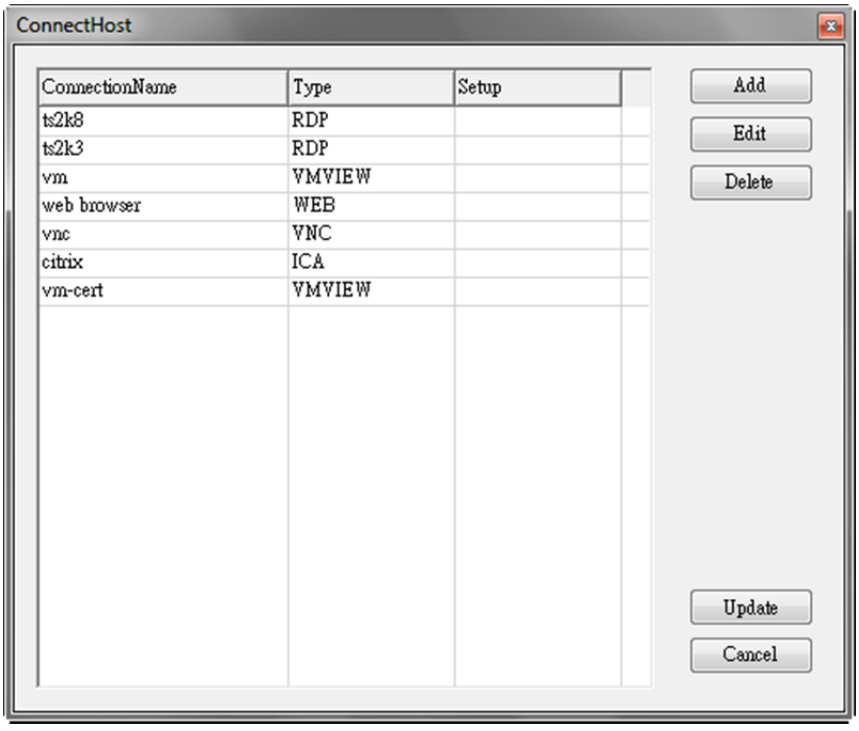


Figure: Template Name Had Been Disabled



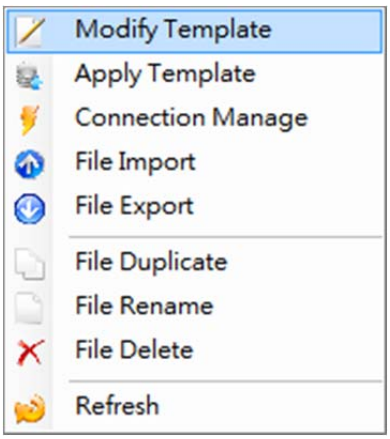
If choose **Connection Manager**, you will see a **Connect Host** wizard. You are able to maintain these connection settings, such as Citrix ICA, RDP, Remote Apps, VMware View, Web Browser, X11 Client, VNC Viewer, Telnet and SPICE Client. The operating details refer "Managing Device Connections".

Figure: Connect Host Wizard



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 Import** 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

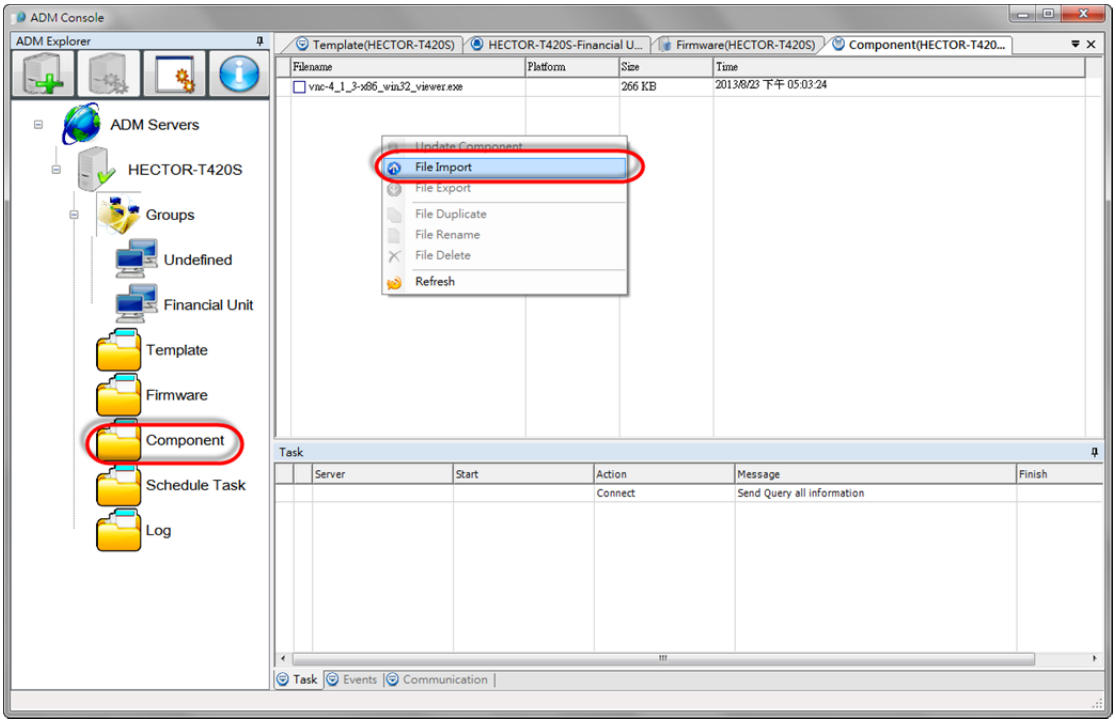


Figure: Upload an Component File Dialog Box

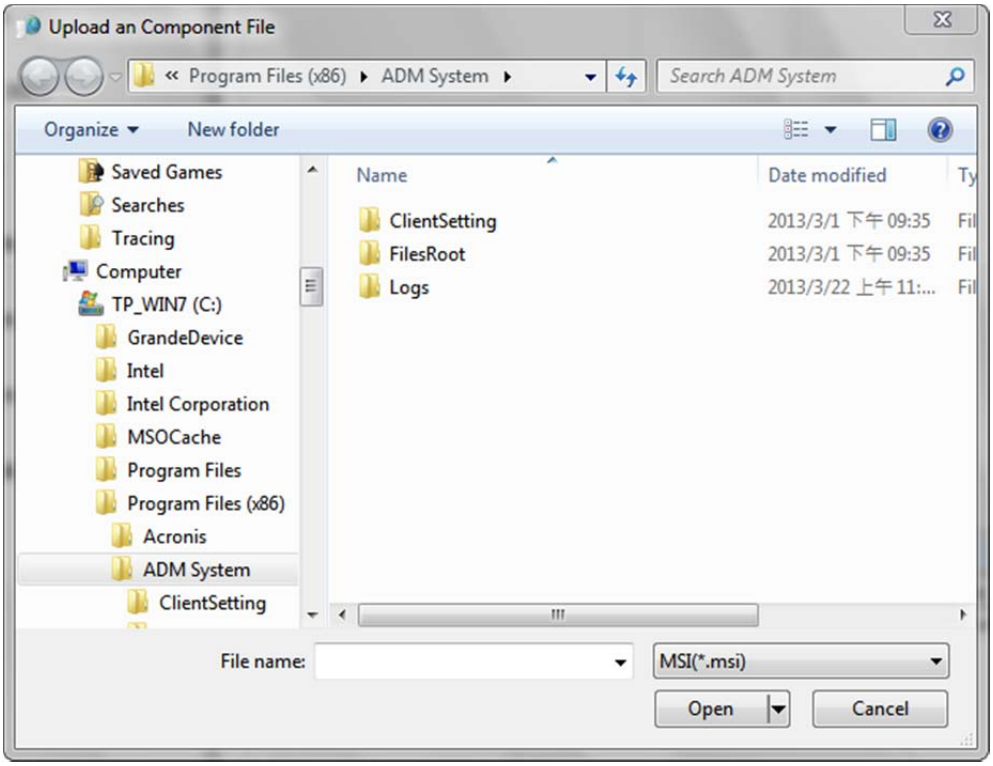
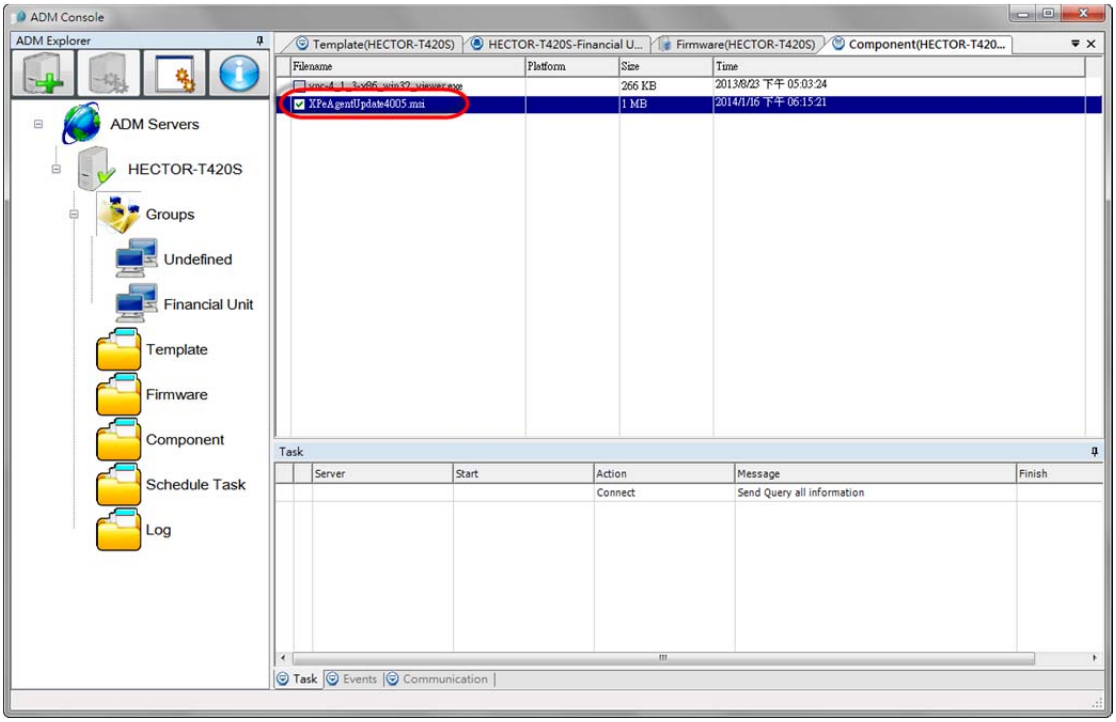


Figure: Import Component File to Finish



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.

Figure: Thin Client Update Component

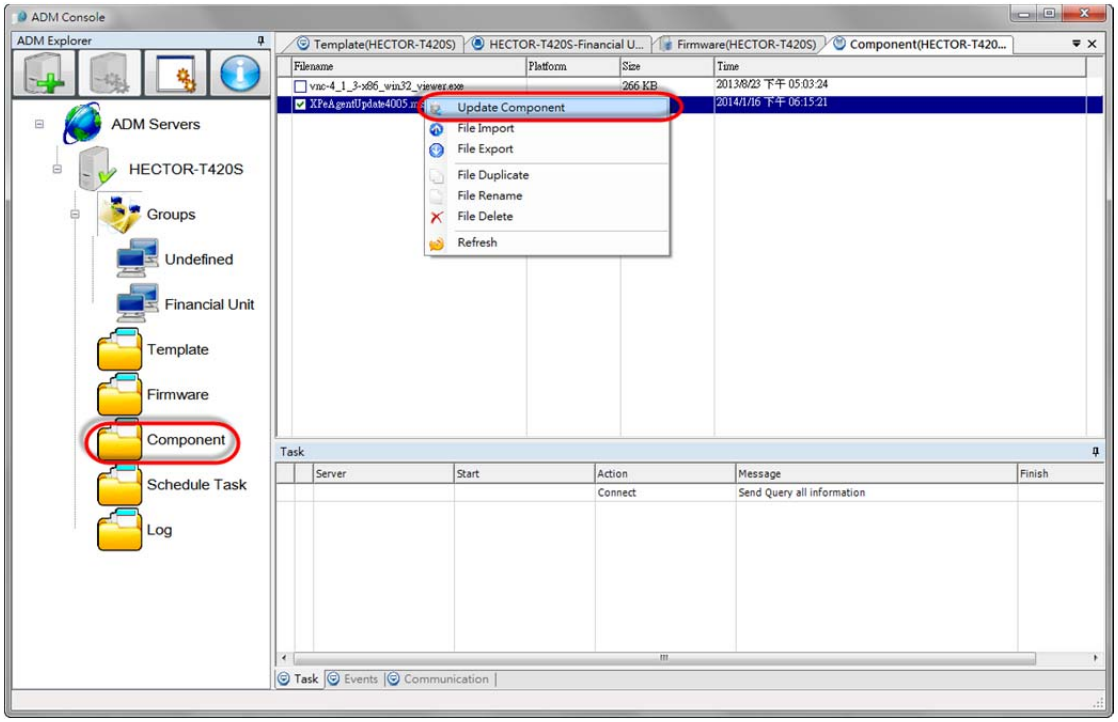
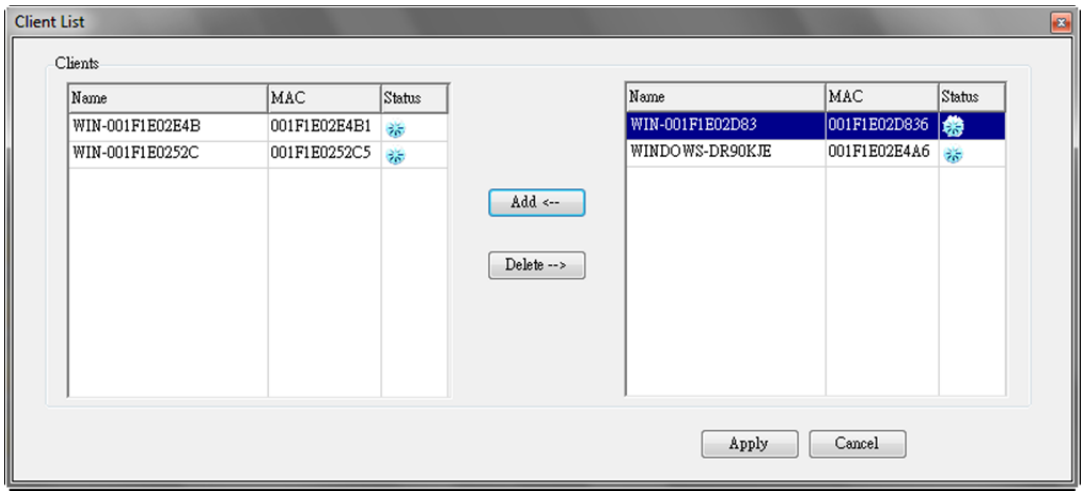


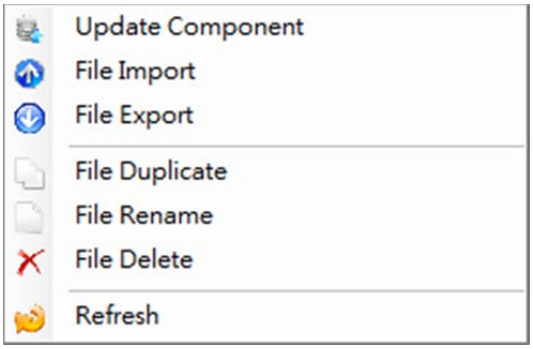
Figure: Client List Dialog Box



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 Wake 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.

Figure: Create a New Schedule Task

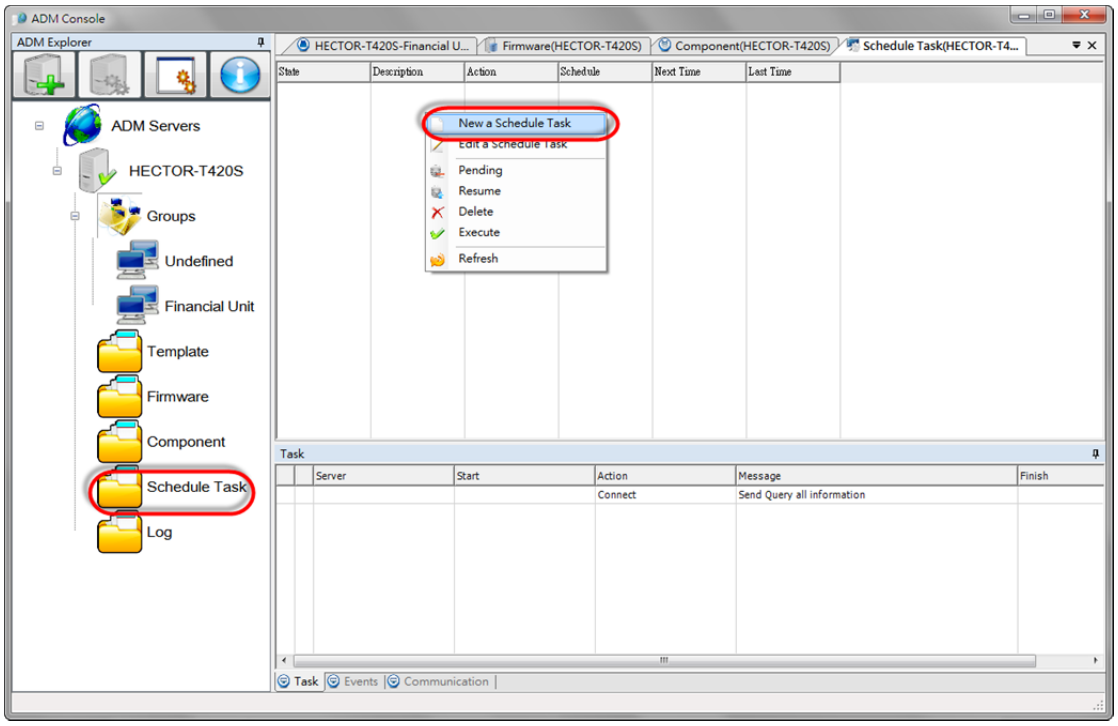


Figure: Schedule Dialog Box

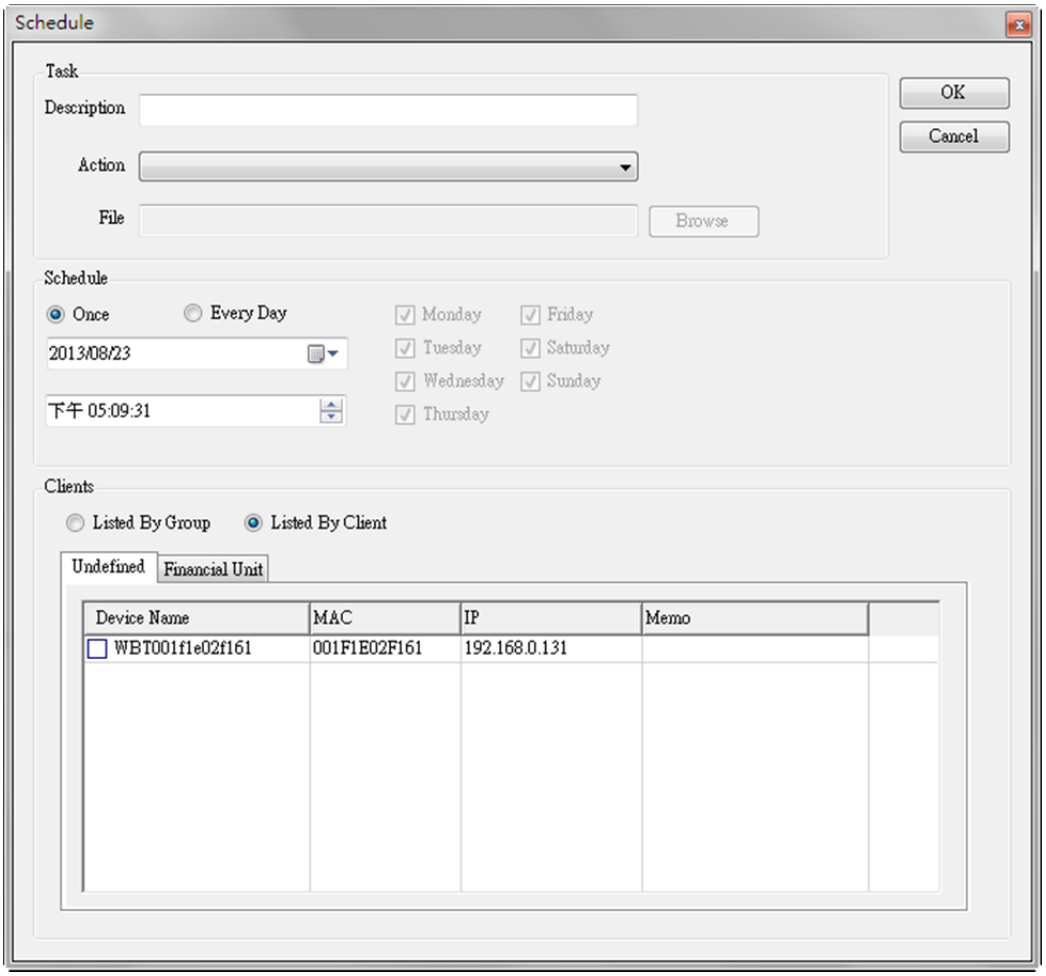
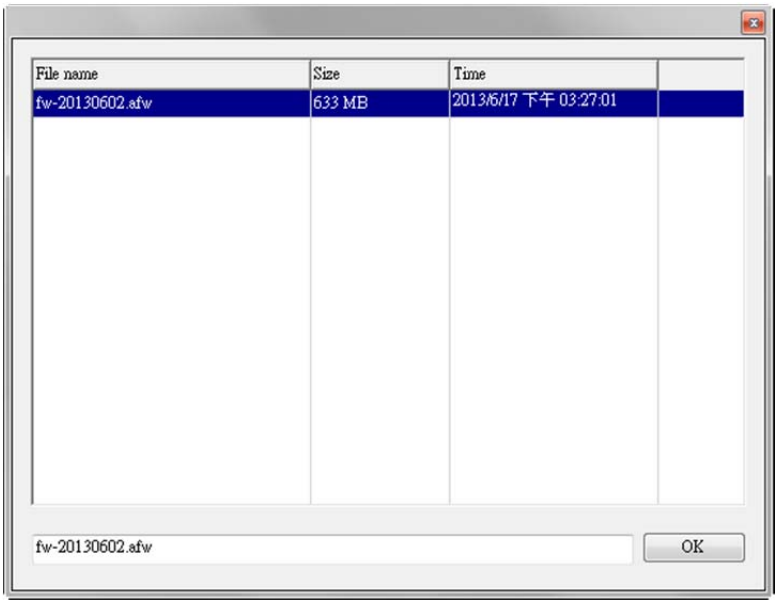


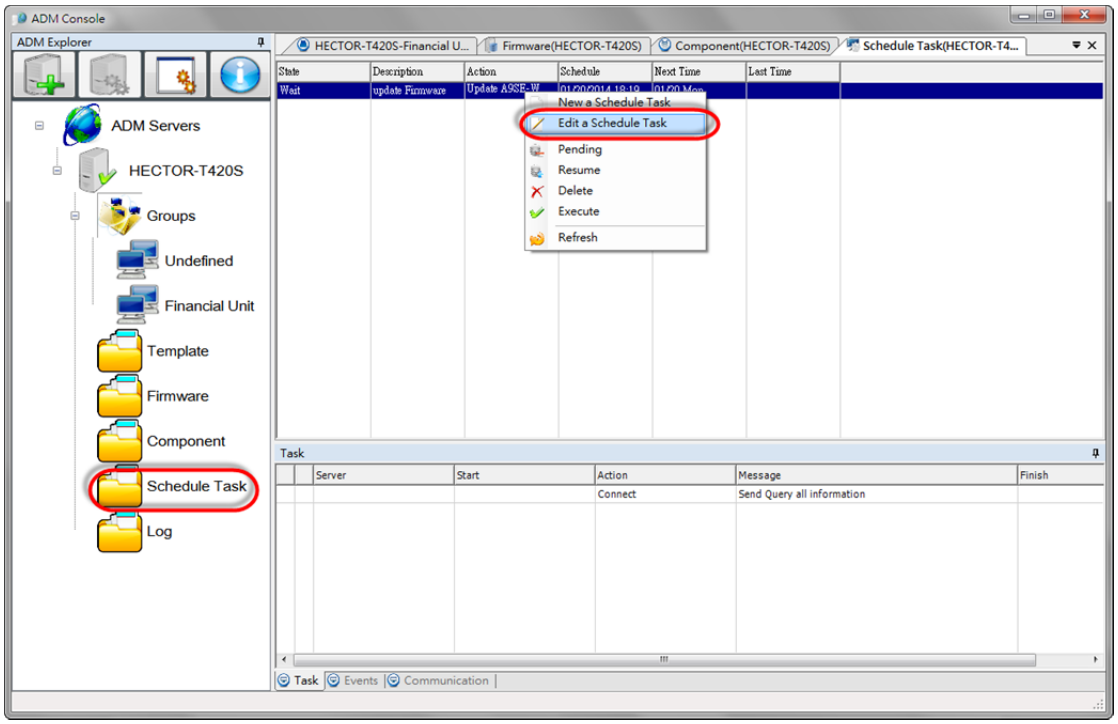
Figure: File Dialog Box



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.

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.

Figure: View Schedule Task Status

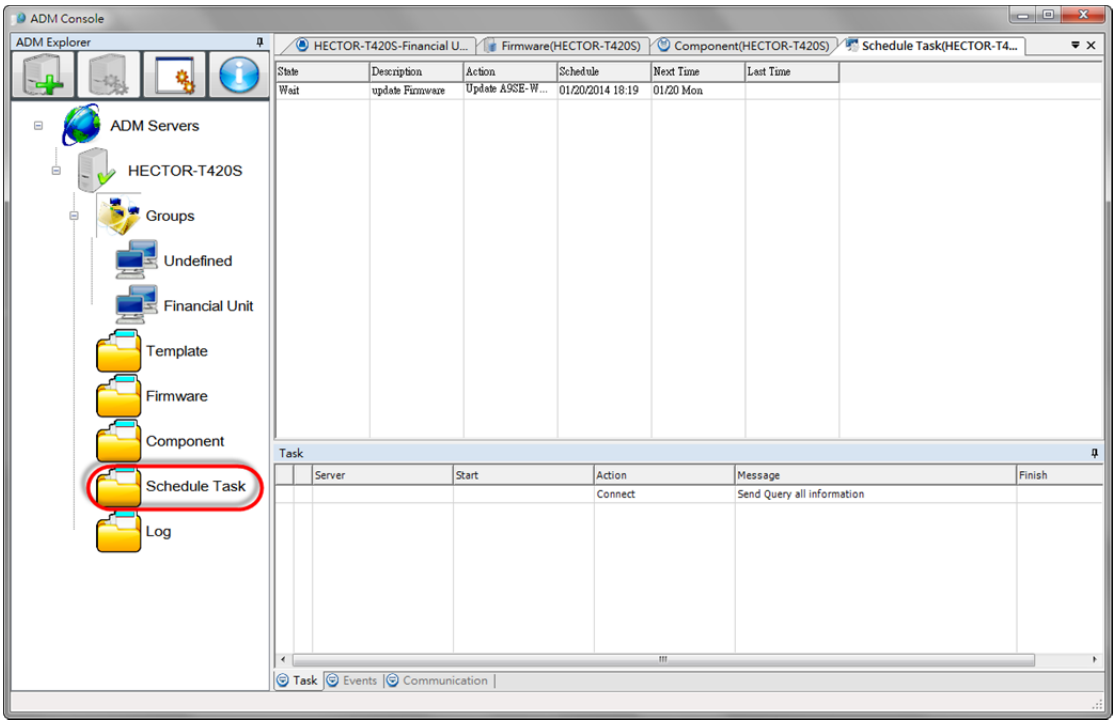
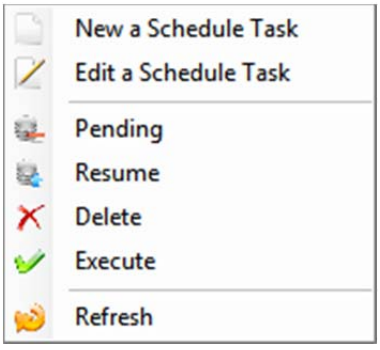


Figure: Schedule Task's Right-Click Context Menu



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.

4-12 Viewing System Log

This chapter describes which ADM provide various types of the device action logs and how to assist administrator to easily trace logs.

ADM will automatically records your operation behavior, and provide a simply query function to assist administrator to access these information.

4-12-1 How to View Details of Log

ADM Console provides a query function to view all details of log. Please double-click **Log** from tree pane, you can choose one of the tabs you want to view log. You must enter search condition (matter what kind of log, Log Date is required), and then click Apply to display log records.

***Tip**: Each page displays a list of only 50 records of log. You can click Data button to view next or previous 50 records.

Figure: Data Button

: Display next 50 records.

: Display previous 50 records.

Table: List all of Log Type

Log Type	Description	Search Condition
Logon	Record user login or logout ADM.	Log Date (Required)
Device	Record the actions of managing device and execution results of a device.	Log Date (Required) Device MAC Device Name
Group	Record the actions of managing group and execution results of a device.	Log Date (Required) Group Name
Template	Record the actions of managing template and execution results of a device.	Log Date (Required) Template Name
Firmware	Record the actions of managing firmware and execution results of a device.	Log Date (Required) Firmware Name
Component	Record the actions of managing update and execution results of a device.	Log Date (Required) Component Name
Schedule	Record the actions of managing schedule task and execution results of a device or task.	Log Date (Required)

Figure: View All Details of Log

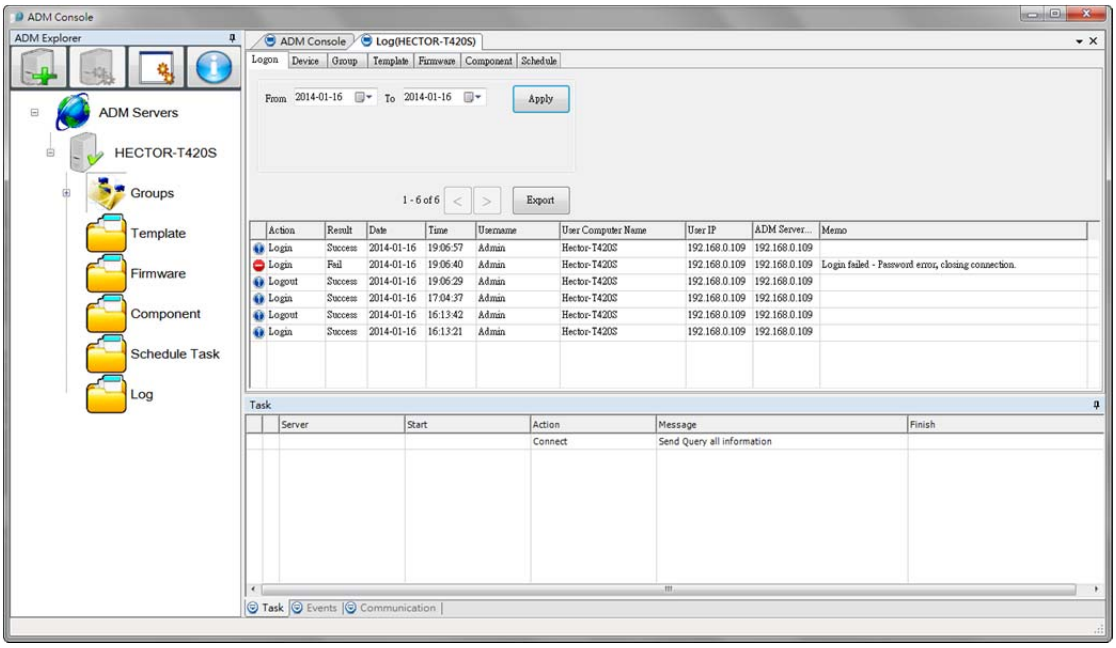
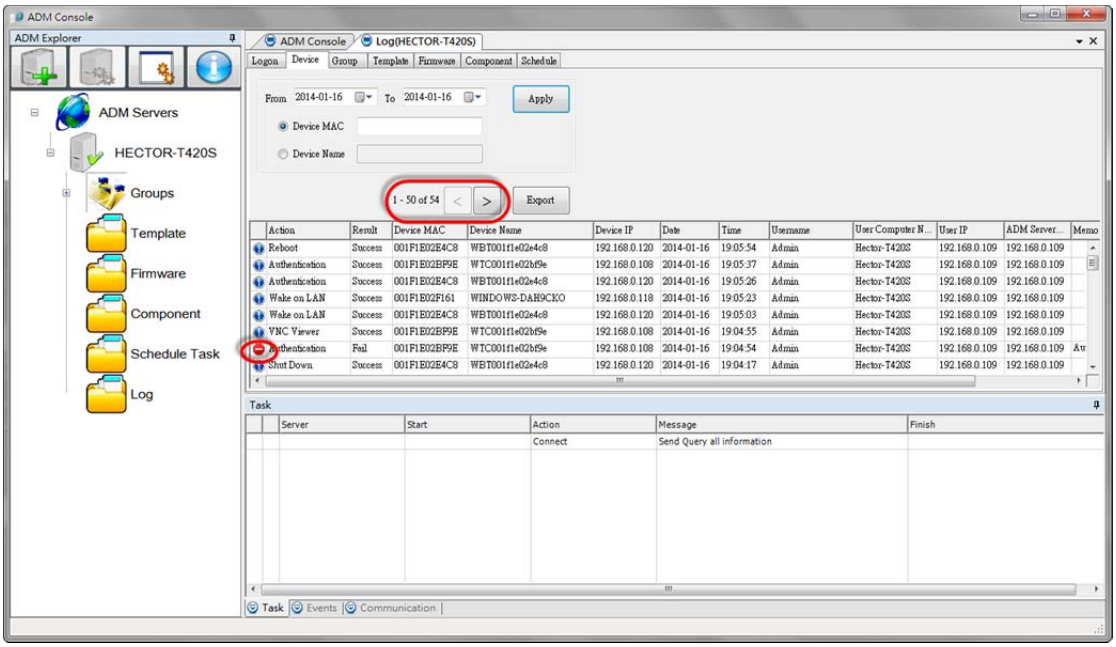


Figure: View Next or Previous 50 Records of Log



When AMD manages more than one device at same time, you can also double-click one record to view more details of the device If you saw the word “Double click see detail…” in Memo field.

Figure: Double-Click a Record to View More Details of the Device

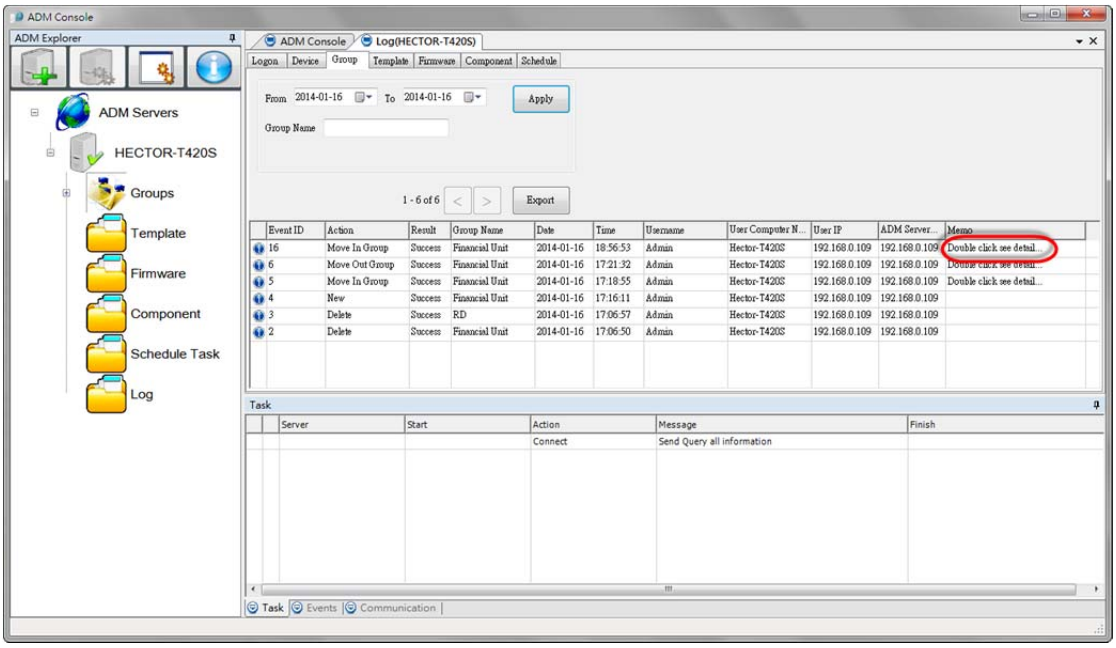
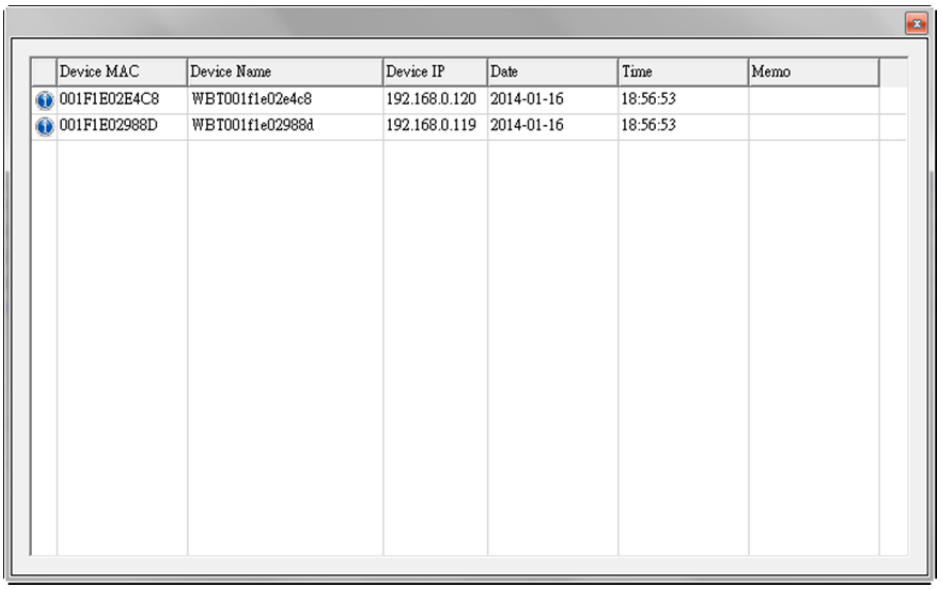


Figure: Details of the Device



4-12-2 How to Export Details of Log

ADM supports export the logs to a .txt or .csv file. First you must inquire the records of log you want, and click Export to use Export to a File dialog box, please enter file name and select file type, and then click Save to finish exporting the logs.

***Tip**: Text file format is tab delimited and CSV file format is comma separated.

Figure: Export the Logs to a File

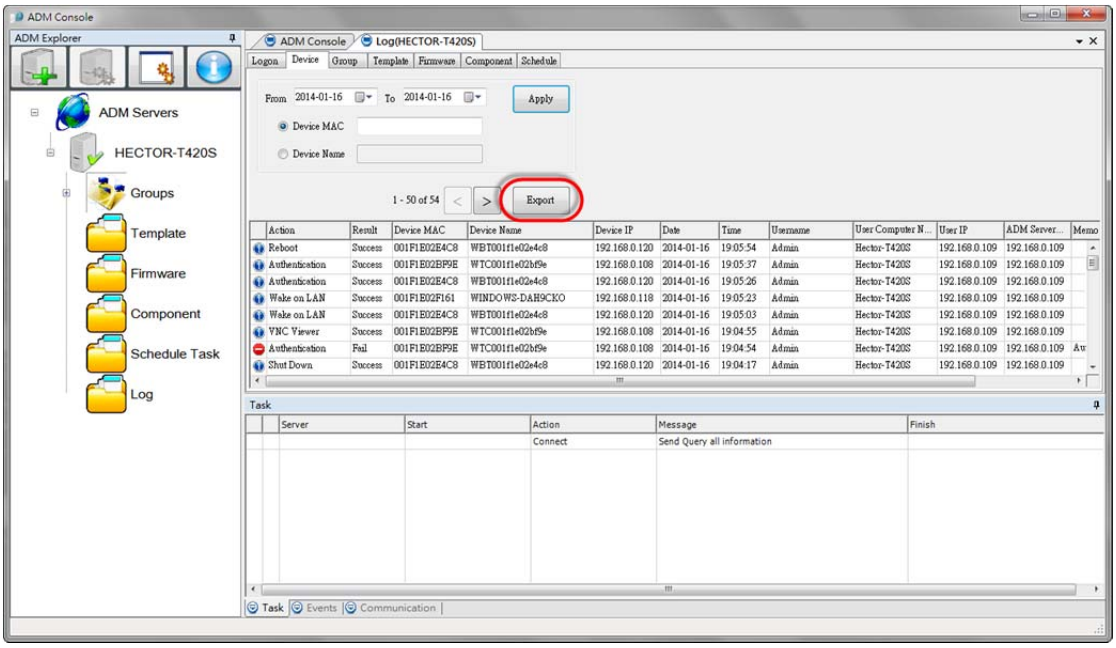


Figure: Export to a File Dialog Box

