

Remote Manage System Version 6.0

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Chapter 1.

Getting to know your Remote Manger System

1.1. Introduction

The most Humanized remote control utility, Remote Manage System, provides a single-point centralized administration of network resources and a simple and easy way to manage Windows-based terminals.

1.2. Key Features

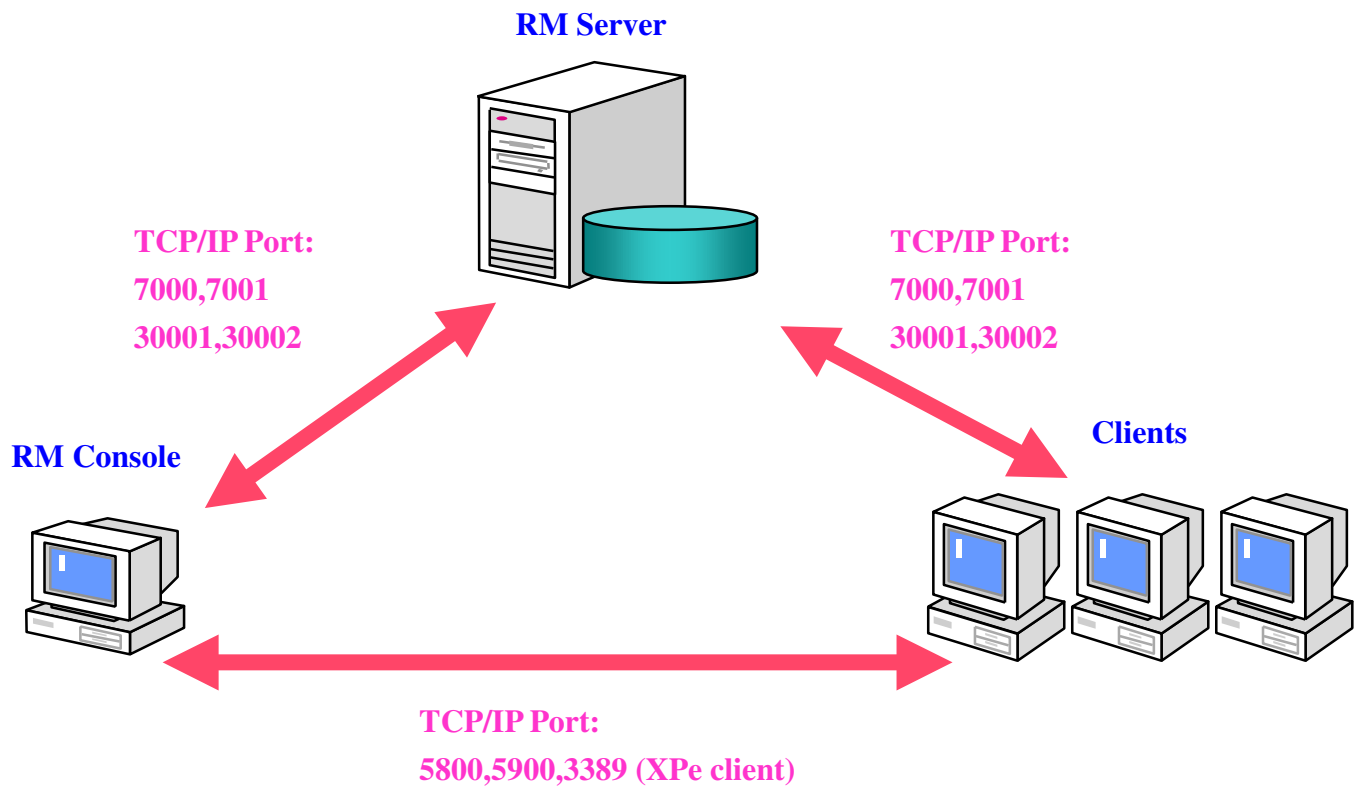
- Remotely control up to 3,000 users.
- Automatically identify the appliances on the network (Up to 3,000 users)
- Remotely wake up, reboot, shutdown appliances
- Remotely change appliance configuration properties
- Centrally add, edit, and delete RDP and ICA connections.
- Monitor current terminals' configuration such as Client Name, IP Address, MAC Address, Firmware version, and Agent version.
- Provide single or multiple appliances firmware update via FTP
- Allow IT supervisor to authorize access by password to the Remote Manage System
- Remotely reset terminals to factory-default property settings.
- Provide the running status and display in the message log
- Scheduling power on/ off, and firmware updating
- Get client configuration as a Template and apply it to other clients
- Update firmware by components

1.3. System Requirements

- PC with 1.6 G or higher processor clock
- 512 MB RAM or higher
- Operation System : Windows XP Professional 、 Vista 、 Server 2003
- Available disk space is about 5 G Bytes (12MB for install RMS program)
- Software Dependency : .Net Framework 2.0
- Ports that need to open :
 - RMS
 - ◆ 7000 , 7001 UDP (Current Used)
 - ◆ 30001 , *30002 TCP (*Current Used)
 - VNC

- ◆ Port 5800 , 5900
- XPe – RDP
- ◆ Port 3389
- FTP
- ◆ Port 21

Figure 1-1 :



Note:

Please check with us to obtain the latest firmware version for RMS.

Chapter 2.

Setting up your Remote Manage System

2.1. Installing Remote Manage System

This chapter will explain how to install and uninstall Remote Manage System

The FREE download Remote Manage System software for 5 users is available from our Web Site or you can contact our Sales Division.

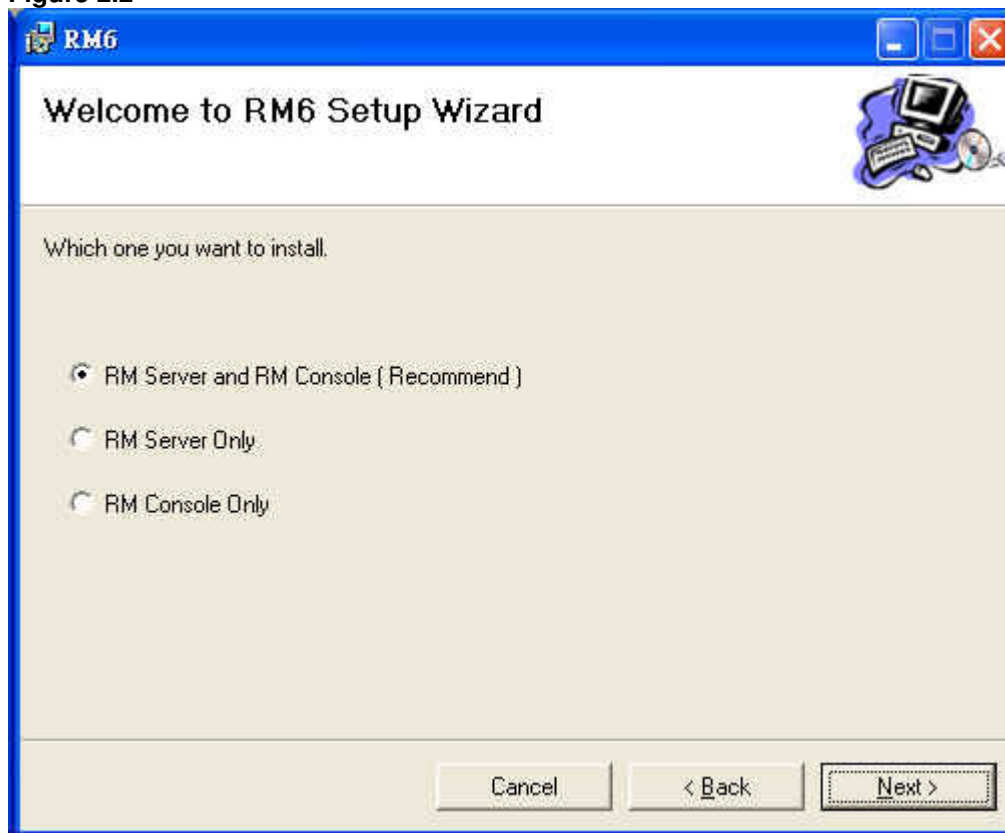
- a. Download (or copy) file RM6.zip to your server's hard disk drive.
- b. Unzip it and there will be two files (setup.exe and RM6.msi).
- c. Locate the file in the directory and double click the setup file. The dialog window will pop up as follows:

Figure 2.1



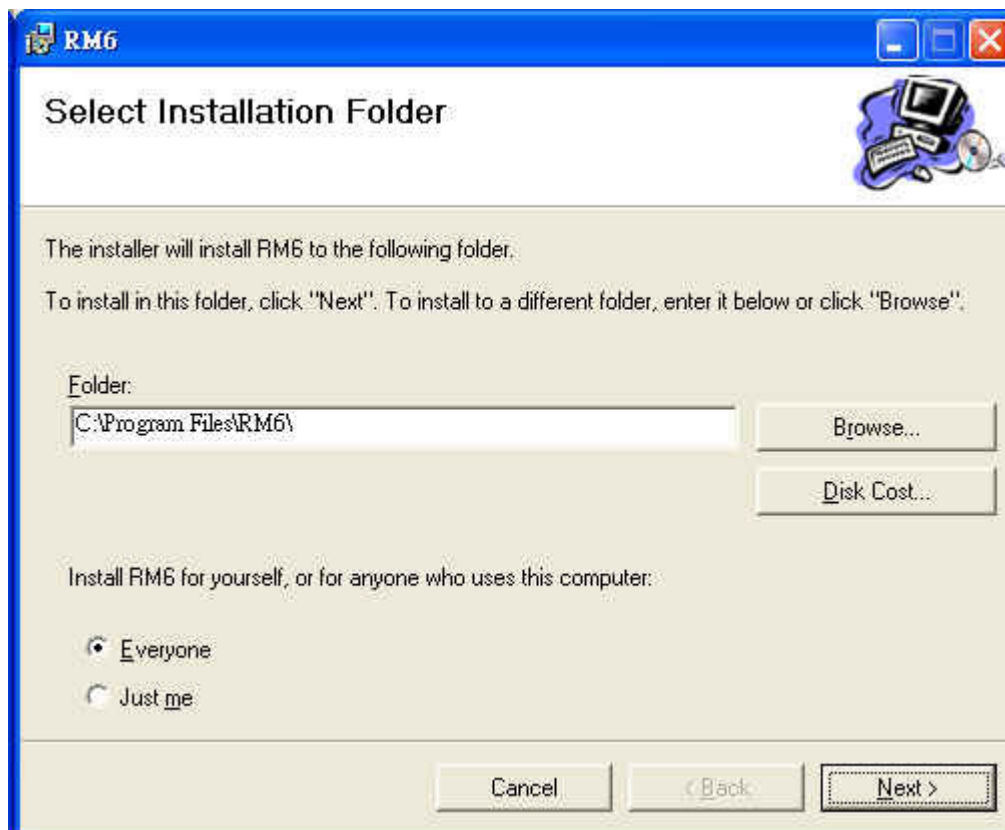
- d. Click **Next** In the Remote Manage System Welcome screen.

Figure 2.2



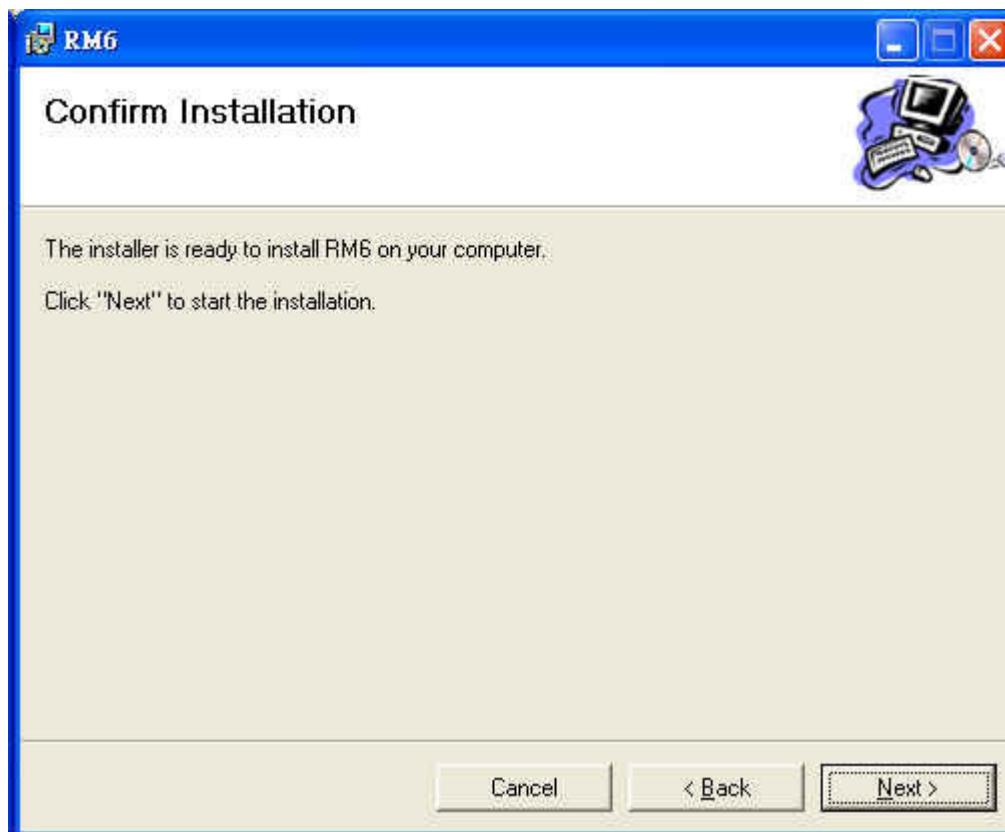
- e. Select which one you want to install.

Figure 2.3



- f. Select the installation location for the Destination Directory, the default folder is **C:\Program Files\RM6**, or you may name your own Destination Directory by clicking on Browse button, and then click Next.

Figure 2.4



- g. Click Next again to start installation.

Figure 2.5

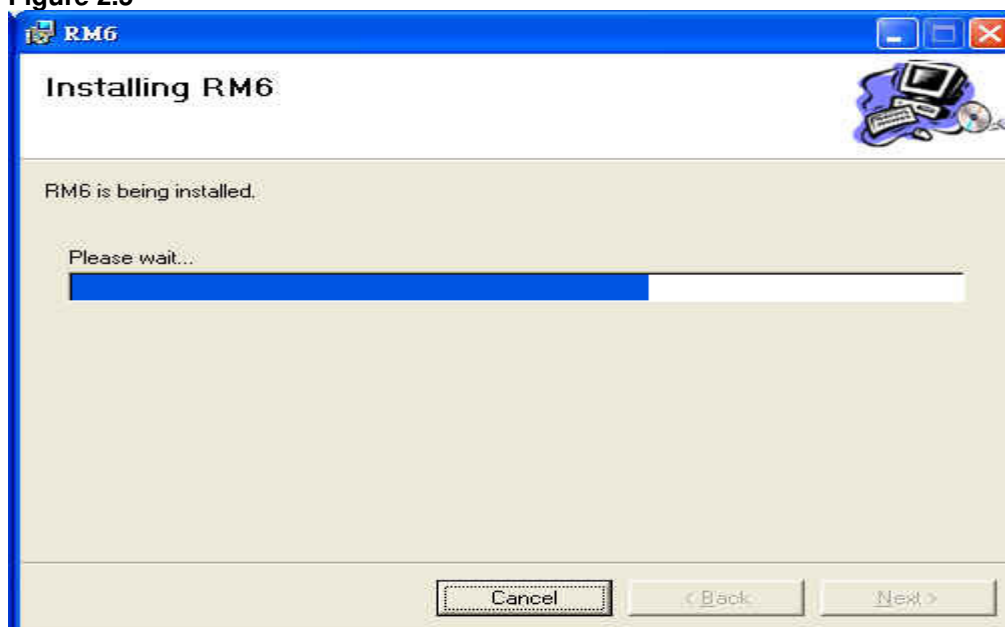
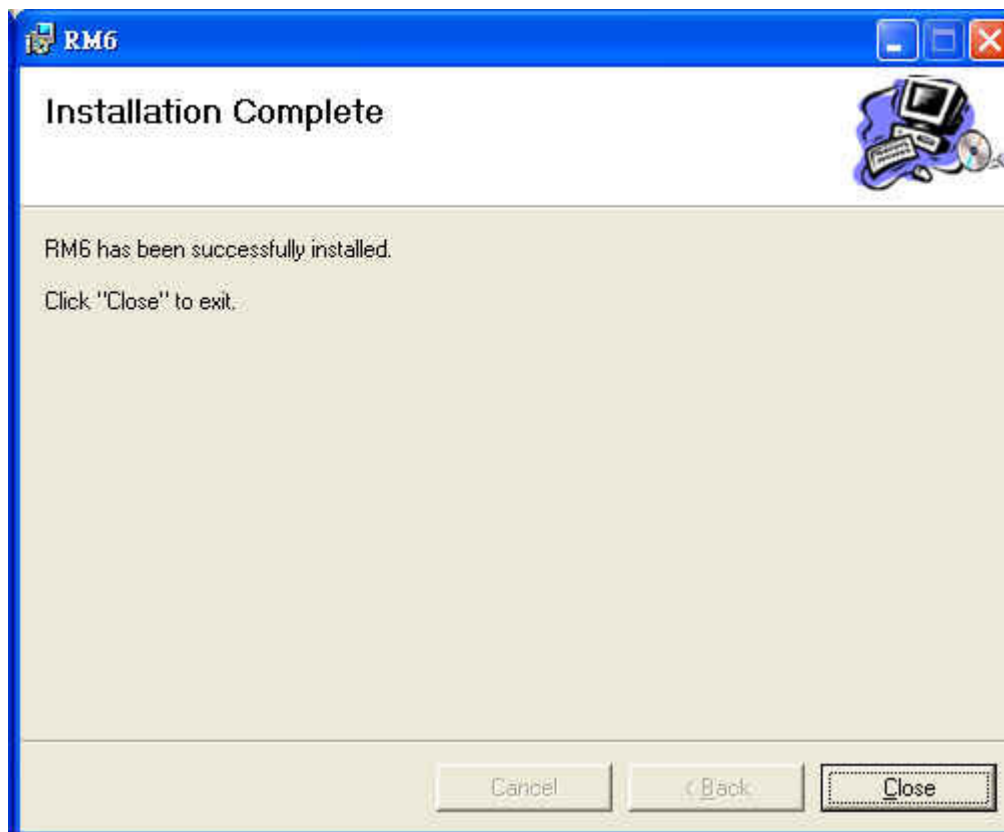


Figure 2.6

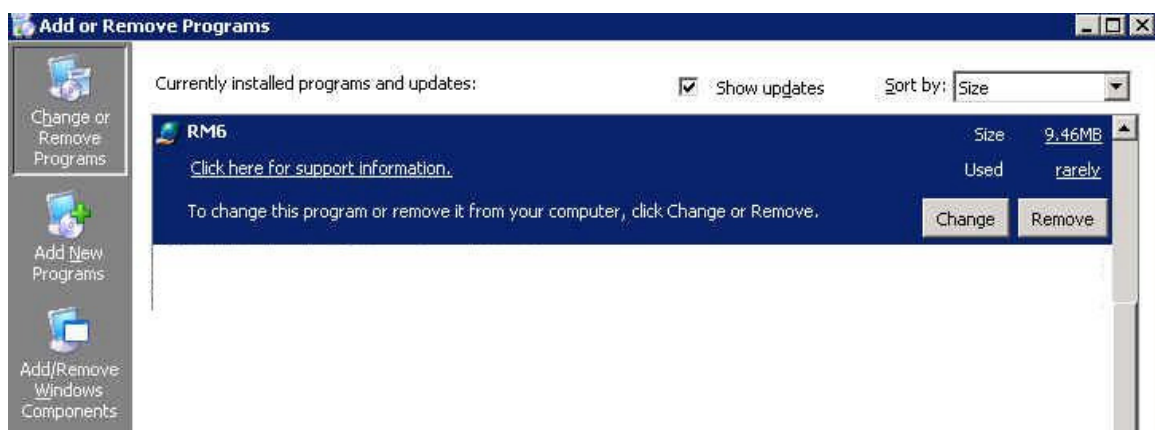


h. Click “Close” when the installation has completed.

2.2. Uninstalling WBT Remote Manage

- Use “**Add/Remove**” in the Control Panel to uninstalling Remote Manage System.
- Scroll down in the installed software menu and highlight “RM6”. Then click on the Add/Remove button and follow the directions in the dialog.

Figure 2.7



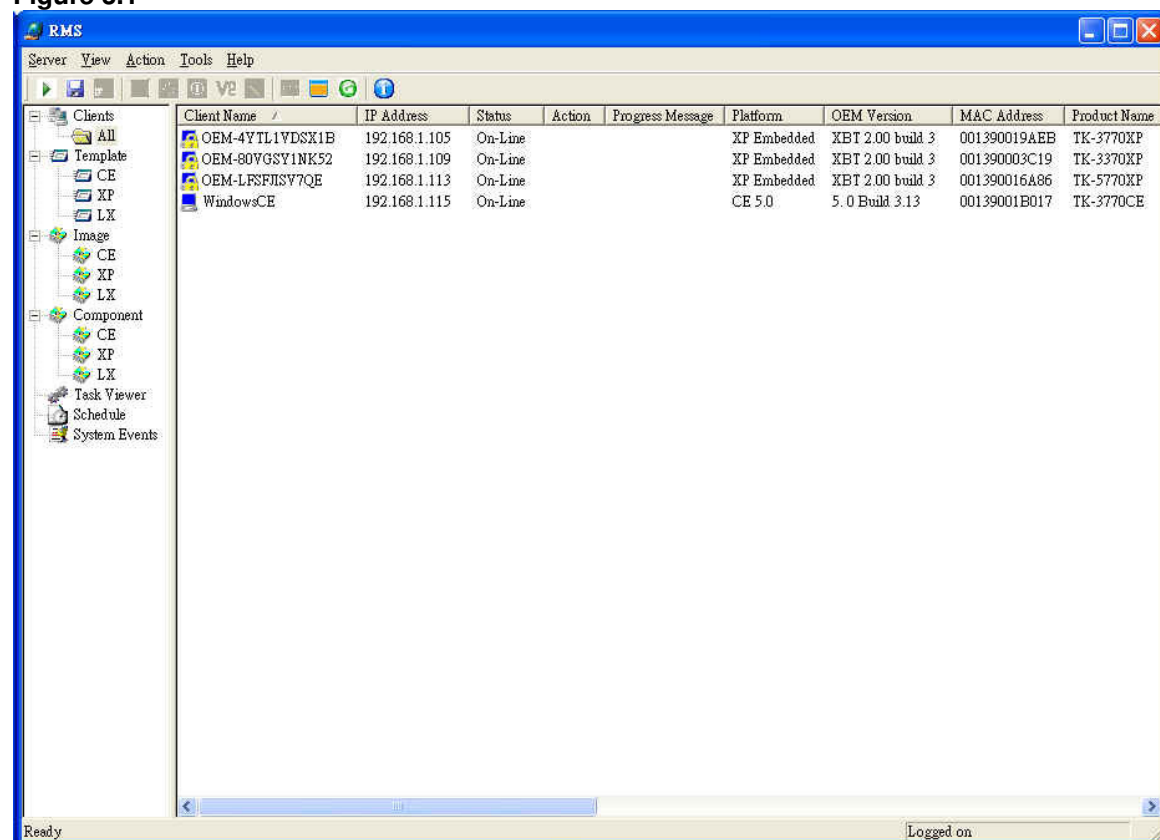
Chapter 3.

Remote Manger System Overview

3.1. System Architecture

- **Client Agent**
 - Receive server request and apply changes.
 - The different operation system has its own client agent. (CE, LX, XPe)
- **RM Console (RM6Console.exe)**
Main User Interface of RM System

Figure 3.1



- **RM Server (RM6Server.exe)**

- All Files (Template, Firmware, Component) Manage.
- Physical control clients (Background Task).

Figure 3.2

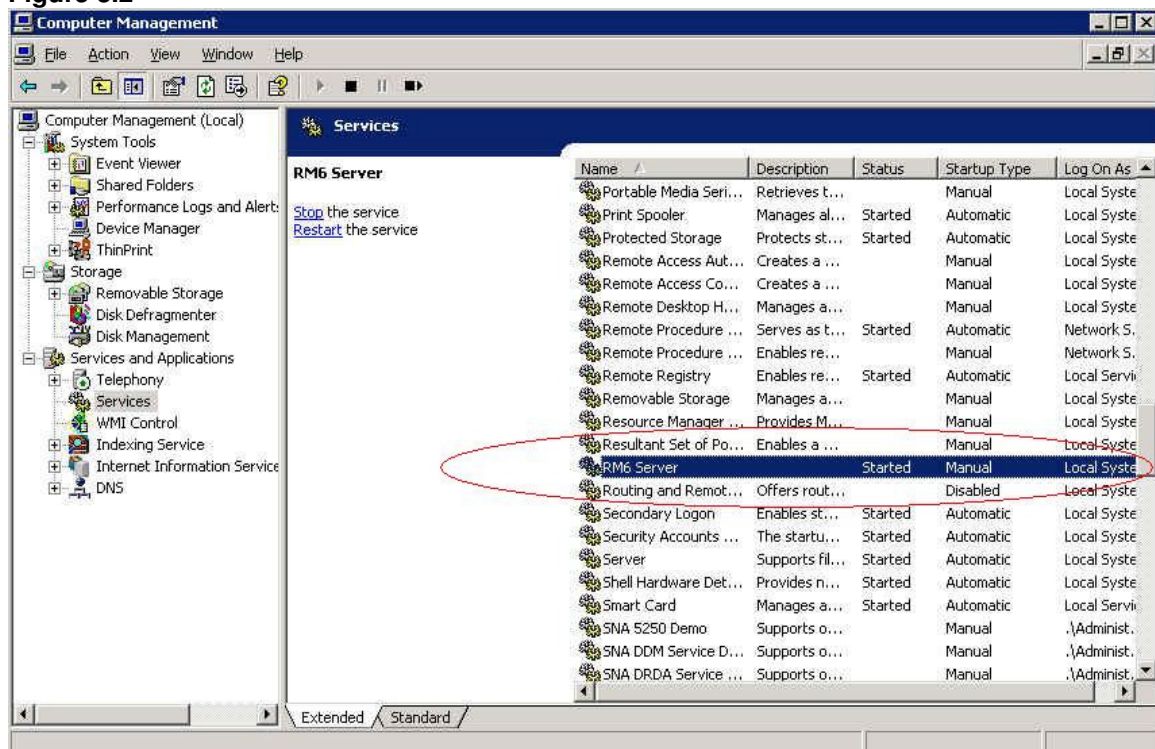
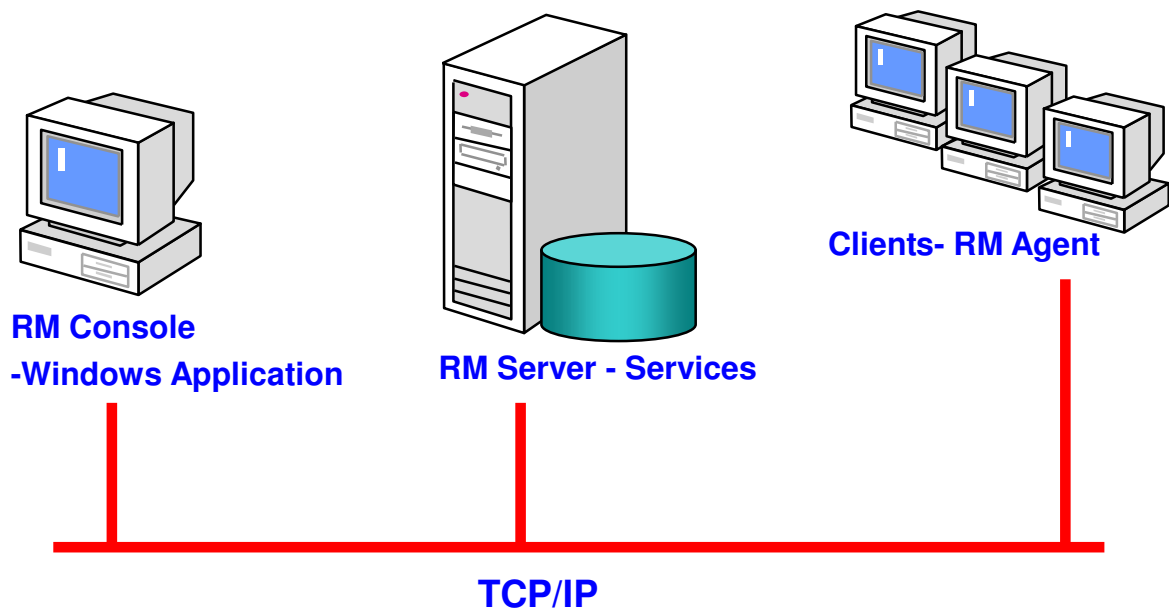


Figure 3.3



3.2 Login Security Control

3.2.1. Start RMS

- When you install RMS complete, you will see the icon (RM6Comsole) on your desktop. Please double click it and you will see the picture as follows.

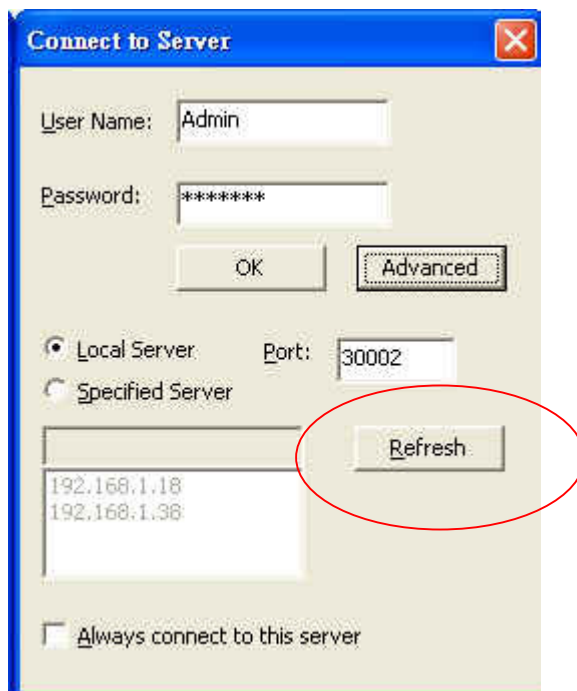
Figure 3.4



- Default user name is “**Admin**”
- Default password is “**RMAdmin**”
- Default login server is “**Local Server**”.

If you want to login another server or change the port number, please click “Advanced” and you will see the picture as follows.

Figure 3.5

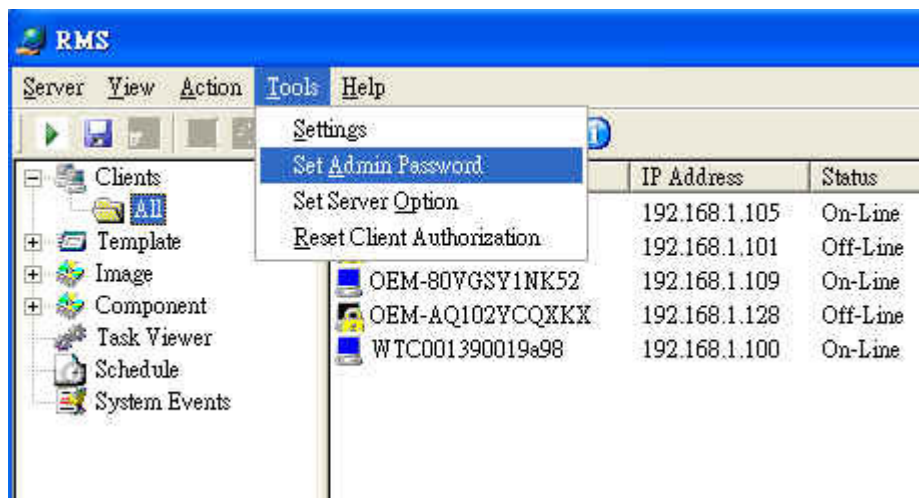


Click the “Refresh” button to find the server.

3.2.2. Change Password

- Click Tools→Set Admin Password

Figure 3.6



- Change Admin Password

Figure 3.7



Note : You must login successfully to change the password.

3.3. Set Server Options

- **Discover Appliances**

In order to remotely wake up, reboot, shutdown, configure, update, and edit connections on the appliances, the clients must be discovered first. To discover the appliances, the RM Server will broadcast requests and get replies from the clients.

As soon as the Remote Manage System has been installed, the appliances can be found and displayed on the RM Console .The number of the appliances appearing in the RM Console window is determining by the quantity of licenses you have purchased. (i.e. If the Remote Manage is a 50-user version, the Remote Manage can discover a maximum of 50 appliances)

Note: All of the appliances which are currently powered on will be discovered and appear on the screen when you **first** discover. Any powered off units cannot be discovered and will not appear on the list.

- **Set Server Broadcast Interval**

So you can set server broadcast interval to discover clients. Default is three seconds.

Figure 3.8



- **Reply console broadcast**

When you want to connect other server, console will send broadcast and wait for server reply. And then you can choose which server you want to connect.

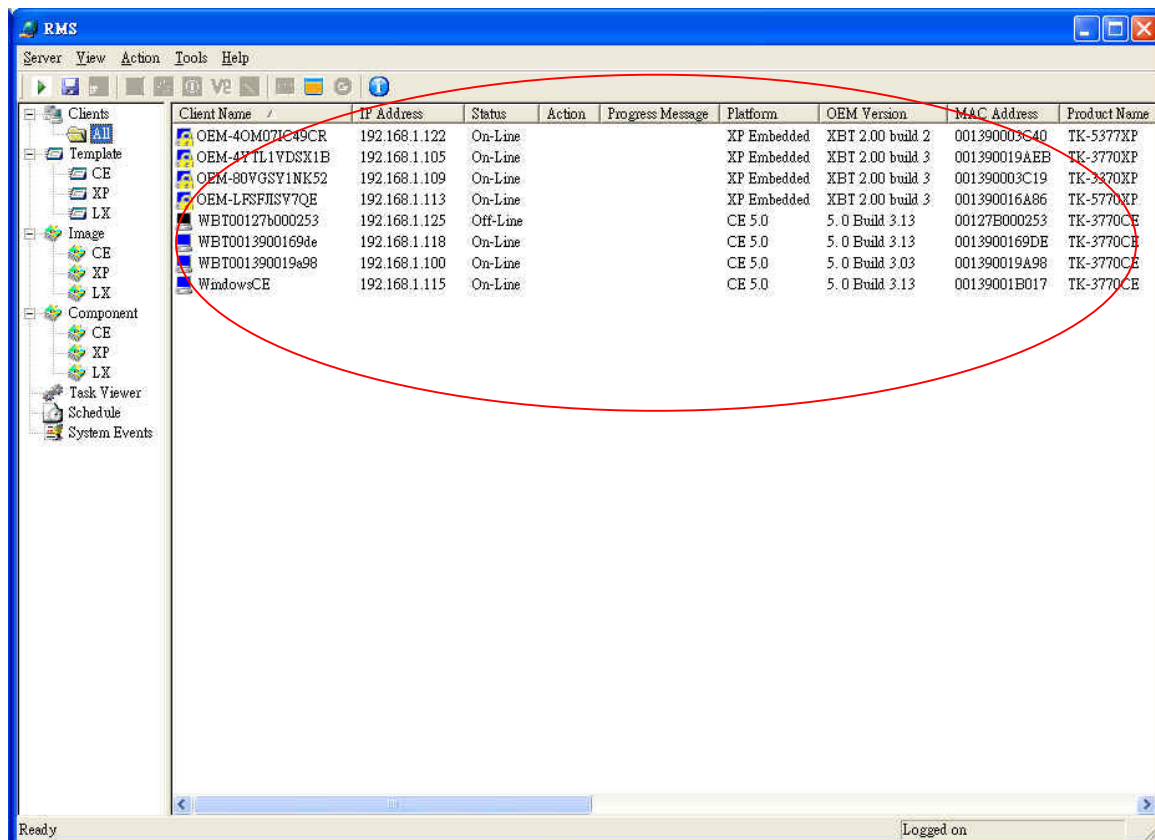
So we recommend you don't disable it. Or you just can connect to local server.

Note : You can refer to chapter 3.2.1 about how to connect other server.

3.4. Menu overview of Remote Manage System

- **Client Information**

Figure 3.9



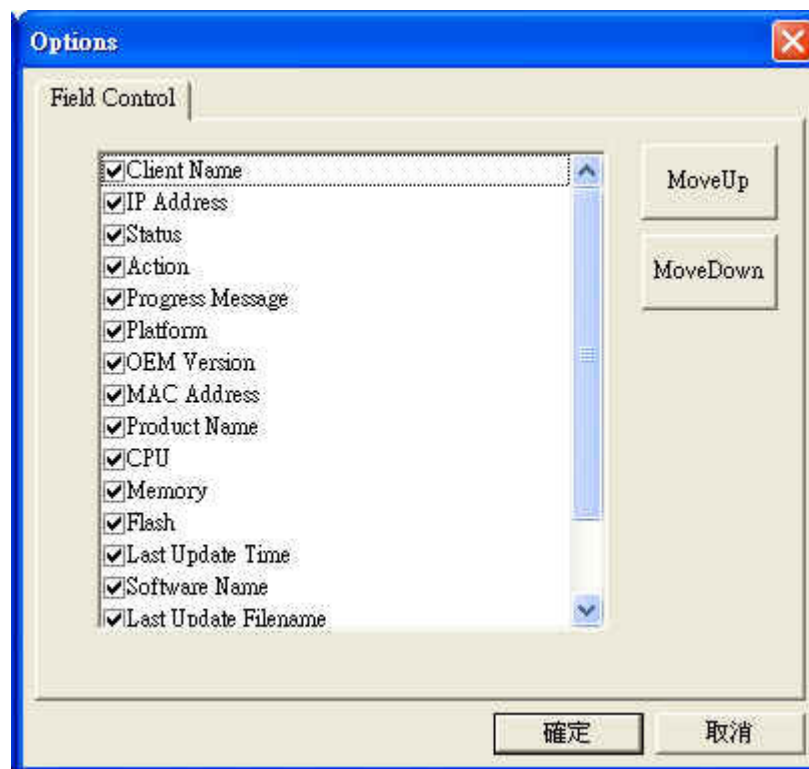
Client Name	IP Address	Status	Action	Progress Message	Platform	OEM Version	MAC Address	Product Name
OEM-40M07IC49CR	192.168.1.122	On-Line			XP Embedded	XBT 2.00 build 2	001390013C40	TK-5377XP
OEM-4Y1L1VDSX1B	192.168.1.105	On-Line			XP Embedded	XBT 2.00 build 3	001390019AEB	TK-3770XP
OEM-80VGSY1NK52	192.168.1.109	On-Line			XP Embedded	XBT 2.00 build 3	001390003C19	TK-3370XP
OEM-LFSFISY7QE	192.168.1.113	On-Line			XP Embedded	XBT 2.00 build 3	001390016A86	TK-5770XP
WBT00127b000253	192.168.1.125	Off-Line			CE 5.0	5.0 Build 3.13	00127B000253	TK-3770CE
WBT0013900169de	192.168.1.118	On-Line			CE 5.0	5.0 Build 3.13	0013900169DE	TK-3770CE
WBT001390019a98	192.168.1.100	On-Line			CE 5.0	5.0 Build 3.03	001390019A98	TK-3770CE
WindowsCE	192.168.1.115	On-Line			CE 5.0	5.0 Build 3.13	00139001B017	TK-3770CE

- **Client name** – The client's name is defined as computer name
- **IP address** – The IP address currently in use by the client
- **Status** – The client status (On-Line or Off-Line)
- **Action** – The current action of client (Reboot 、 Shutdown 、 Update and so on.)
- **Progress message** – A brief description of jobs or function performed
- **Platform** – The operation system of client
- **OEM Version** – The client's firmware version
- **MAC address** – The client's hardware MAC address
- **Product Name** – The client's product type
- **CPU** – The client's cpu type
- **Memory** – The client's memory size
- **Flash** – The client's flash size
- **Last Update Time** – The time of firmware that updated recently
- **Software Name** – The client's name of version
- **Last Update File Name** – The file name of firmware that updated recently
- **Agent Version** – Indication of Terminal's agent version

- **Description** – Reserved

Note : You can adjust these fields by clicking Tools → Settings

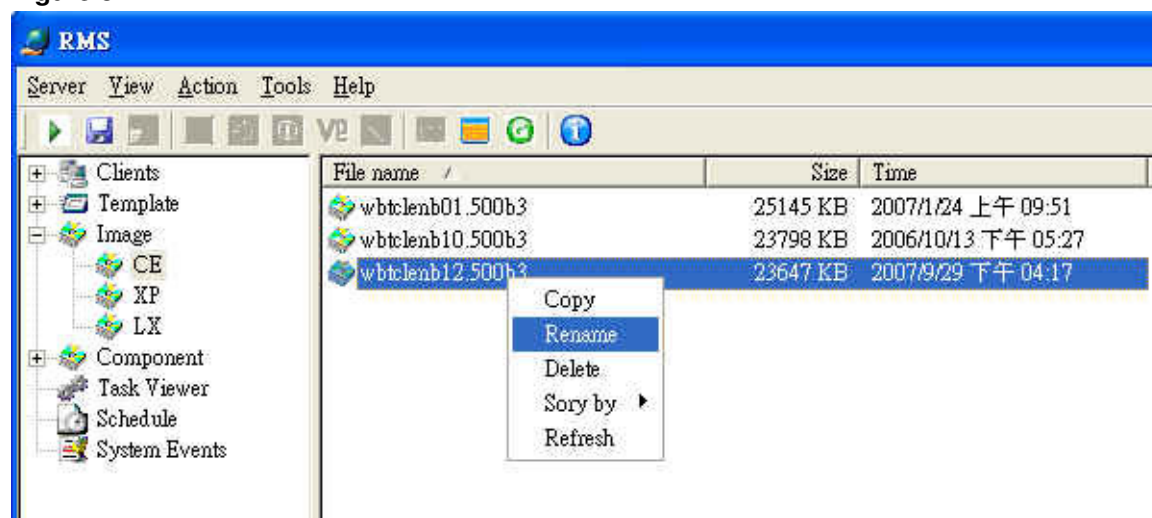
Figure 3.10



- **Image File Manage**

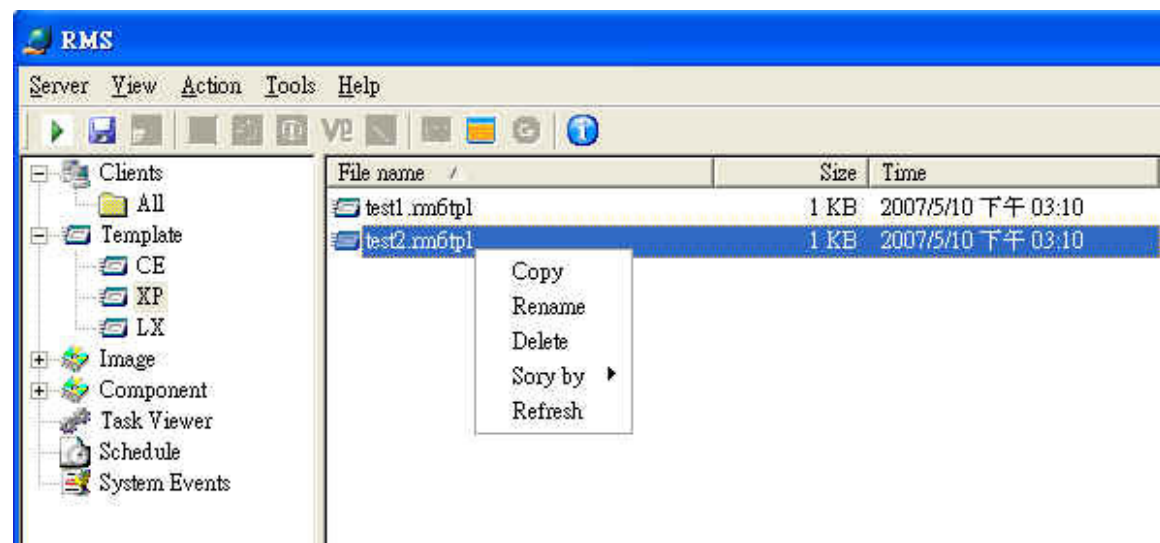
You can manage all image files in this field.

Figure 3.11



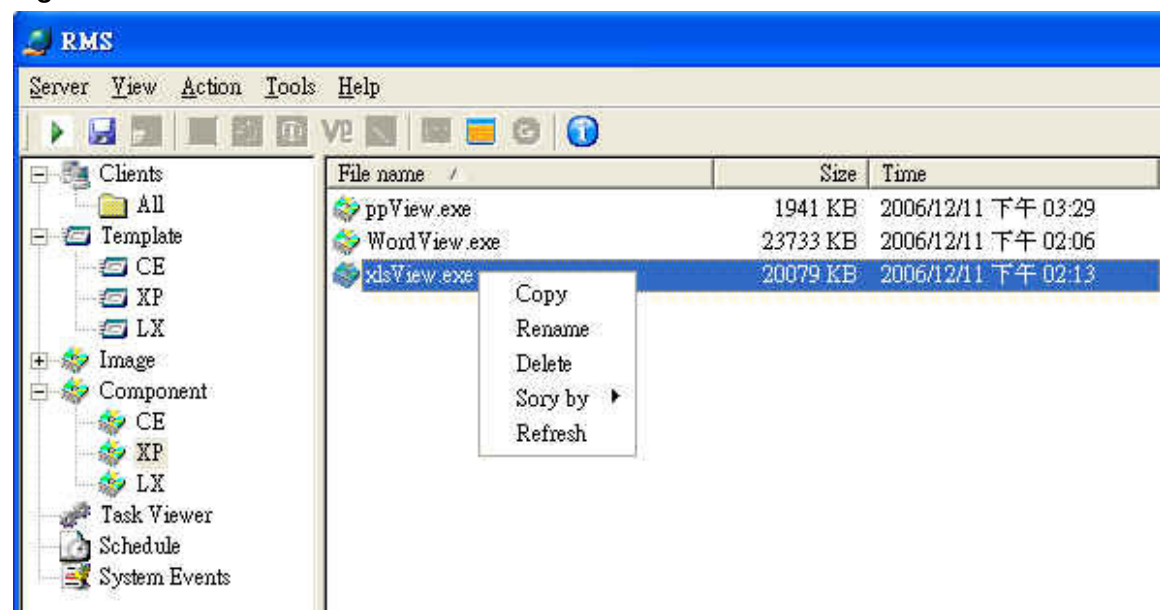
- **Template Manage**

Figure 3.12



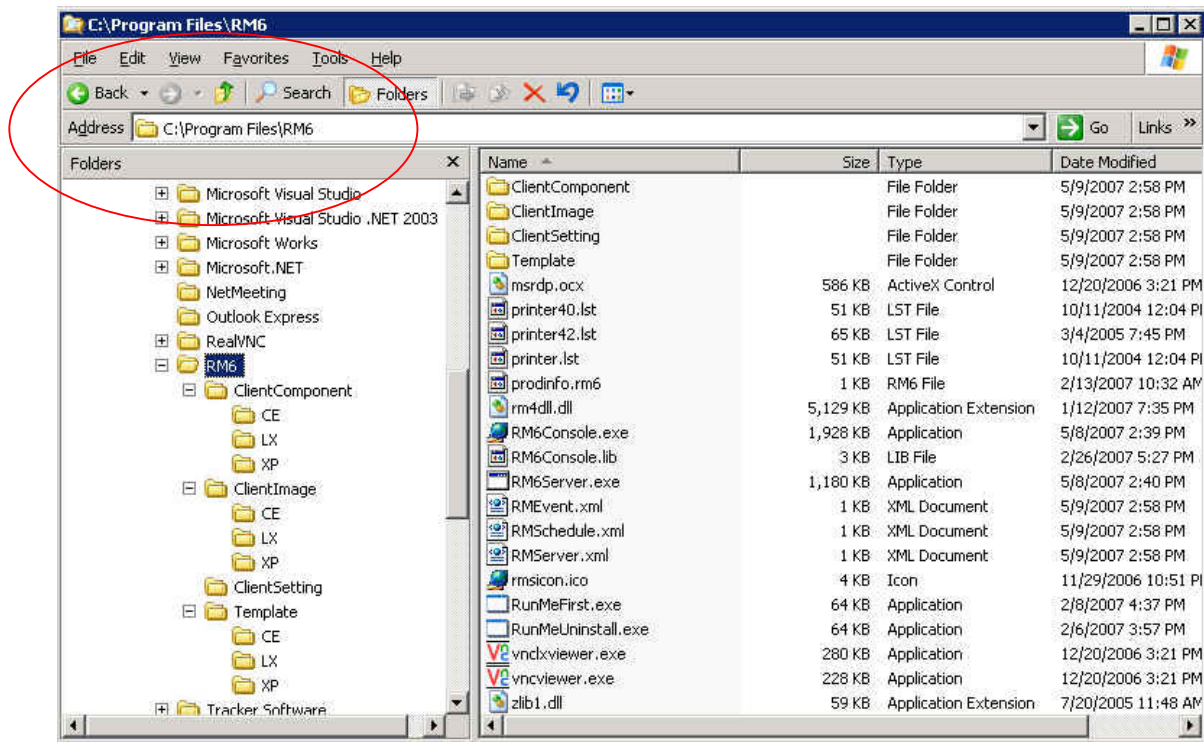
- Component Manage

Figure 3.13



Note: All files are stored in **C:\Program Files\RM6**. You can manage them in this path.

Figure 3.14



3.5. Sorting the list

- Click the column label button to sort the appliance(s) by client name, IP address, MAC address, OEM Version, Agent Version or Product Name.

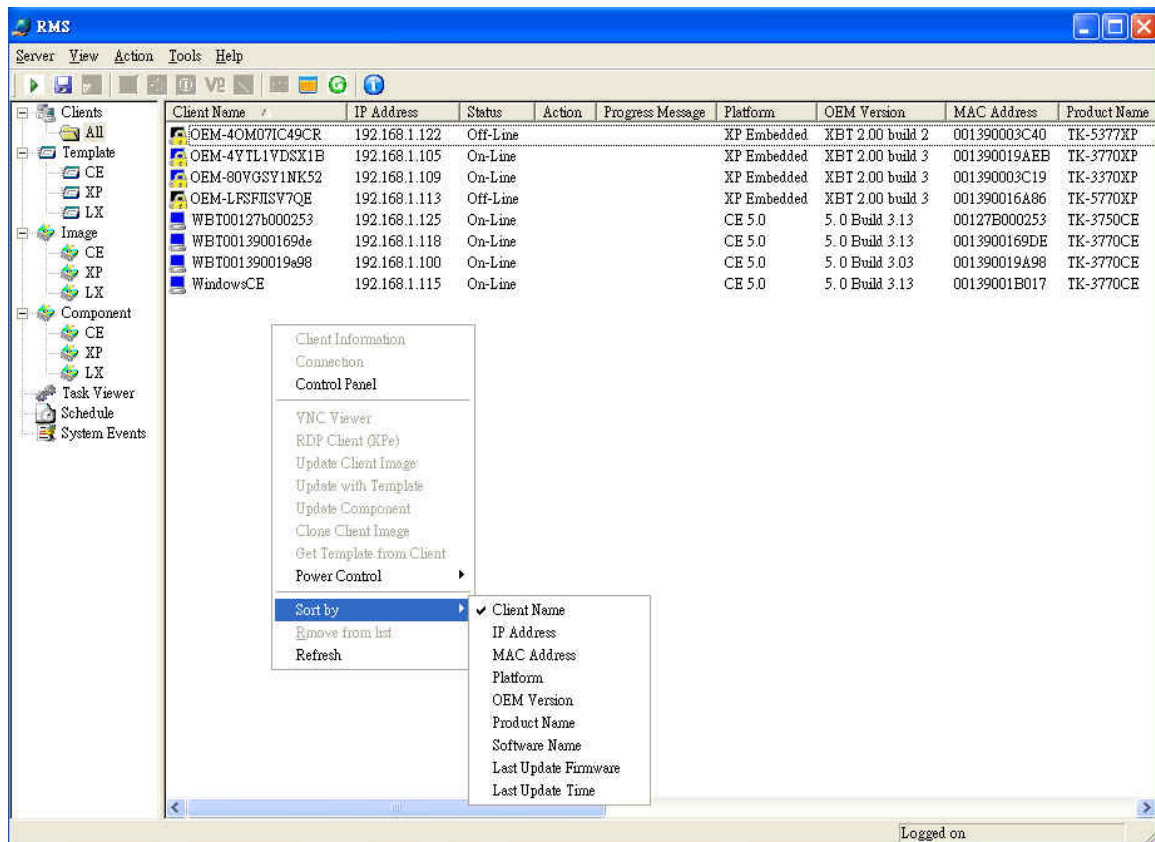
Figure 3.15

Client Name	IP Address	MAC Address	OEM Version	Agent Version	Product Name
WindowsCE	192.168.1.115	00139001B017	5.0 Build 3.13	4.0.1.12	TK-3770CE
WBT001390019a98	192.168.1.100	001390019A98	5.0 Build 3.03	4.0.1.12	TK-3770CE
WBT0013900169de	192.168.1.118	0013900169DE	5.0 Build 3.13	4.0.1.12	TK-3770CE
WBT00127b000253	192.168.1.125	00127B000253	5.0 Build 3.13	4.0.1.12	TK-3750CE
OEM-LFSFJISV7QE	192.168.1.113	001390016A86	XBT 2.00 build 3	2.0.1.14	TK-5770XP
OEM-IDBXQB6U9B8	192.168.1.128	001390014322	XBT 2.00 build 3	2.0.1.14	TK-3550XP
OEM-80VGSY1NK52	192.168.1.109	001390003C19	XBT 2.00 build 3	2.0.1.15	TK-3370XP
OEM-4YTL1VDSX1B	192.168.1.105	001390019AEB	XBT 2.00 build 3	2.0.1.15	TK-3770XP
OEM-4OM07IC49CR	192.168.1.122	001390003C40	XBT 2.00 build 2	2.0.1.12	TK-5377XP

Click on column label to sort the clients of that column

- Or you can right click the mouse to sort the clients

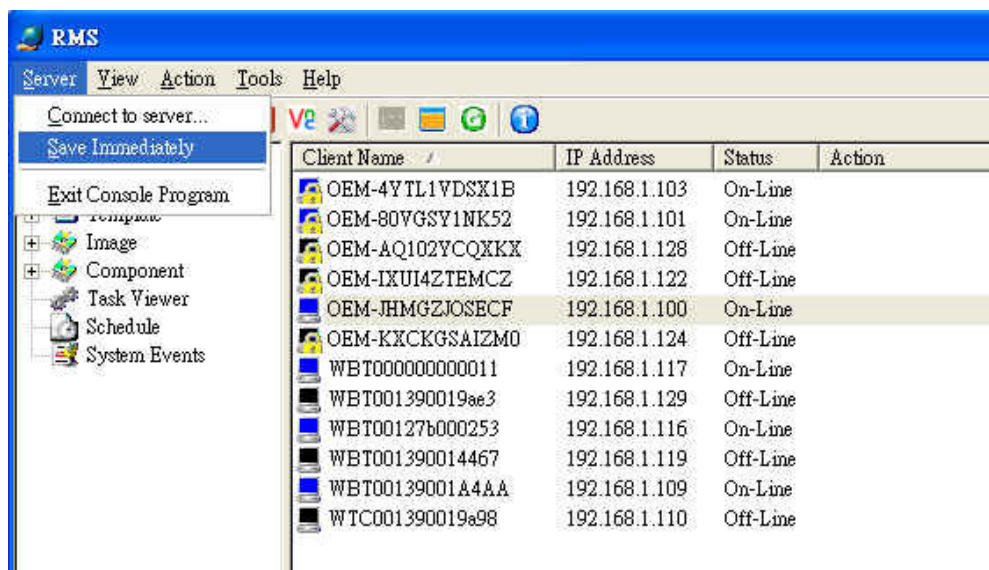
Figure 3.16



3.6. Save Client Information

- You can save client information by select “Server” → “Save Immediately”.
When RM server restarts, it will load these saved information directly.

Figure 3.17



Chapter 4.

Registration

4.1. Register – License Number

This chapter explains how to obtain and install a Remote Manage System license number after you have purchased a new or add-on license pack.

When the number of terminals on your system exceeds the 5 units supported by the 5-user free download Remote Manage System, it is necessary to obtain a license pack to expand the control to additional units. To order the license pack, sold in 25 user increments, the following information must be provided to your sales representative.

First license pack purchased.

The only information required is the quantity of licenses you wish to purchase in increments of 25. You will receive a 16-digit registration number.

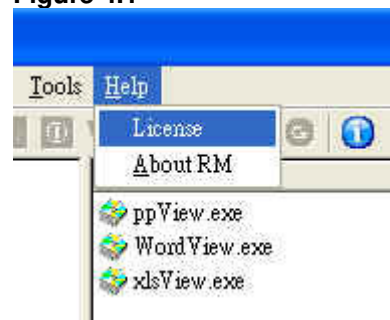
Purchasing additional license packs.

It is necessary to provide the current license registration number found in the Register window within the Help menu plus the number of additional license packs needed. You will receive a new 16-digit registration number enabling the new level of users.

Installing the license register

To install the license register number, click “License” from within the Help menu as follows:

Figure 4.1



Enter the license registration number in the License box as shown.

The license number must be entered exactly as it was provided to you, as this entry is case sensitive.

Figure 4.2



- **Erase old exist license key**

When you enter the license number, the system will check the old license key first to confirm your customer number. If you don't want to check it, you can click this option to erase old exist license key.

Chapter 5.

Grouping- Organizing Appliances into Logical Group

5.1. Grouping Appliances

If you have got so many appliances running on the LAN/WAN connections, “*The Grouping*”, provides the best solution to better manage your appliances on the RM. With this perfect feature, you can organize them in logical groups and them into specific groups, which you desired.

Note:

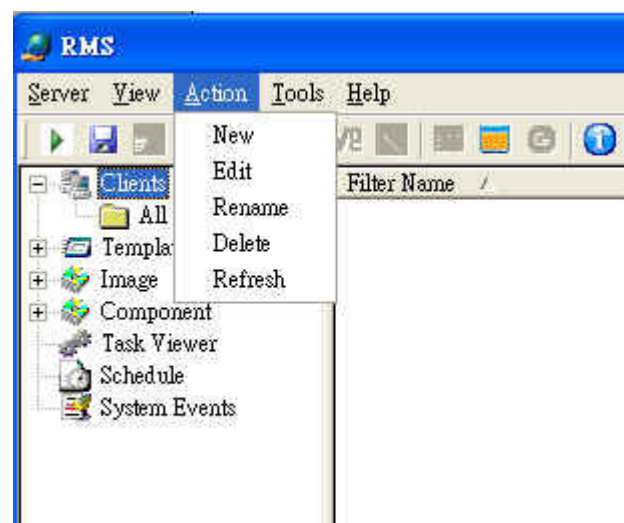
One WBT can be put into more than one group.

Example:

For instance, if you have 3,000 appliances running at one 50-floor business hotel, each room has equipped with one-two appliances, you may wonder how to organize them? In this case, you need grouping function to organize them. You can organize all appliances located on the same floor into one group.

- Click “**Client**” and select “**Action**”. You will see the options as follows.

Figure 5.1

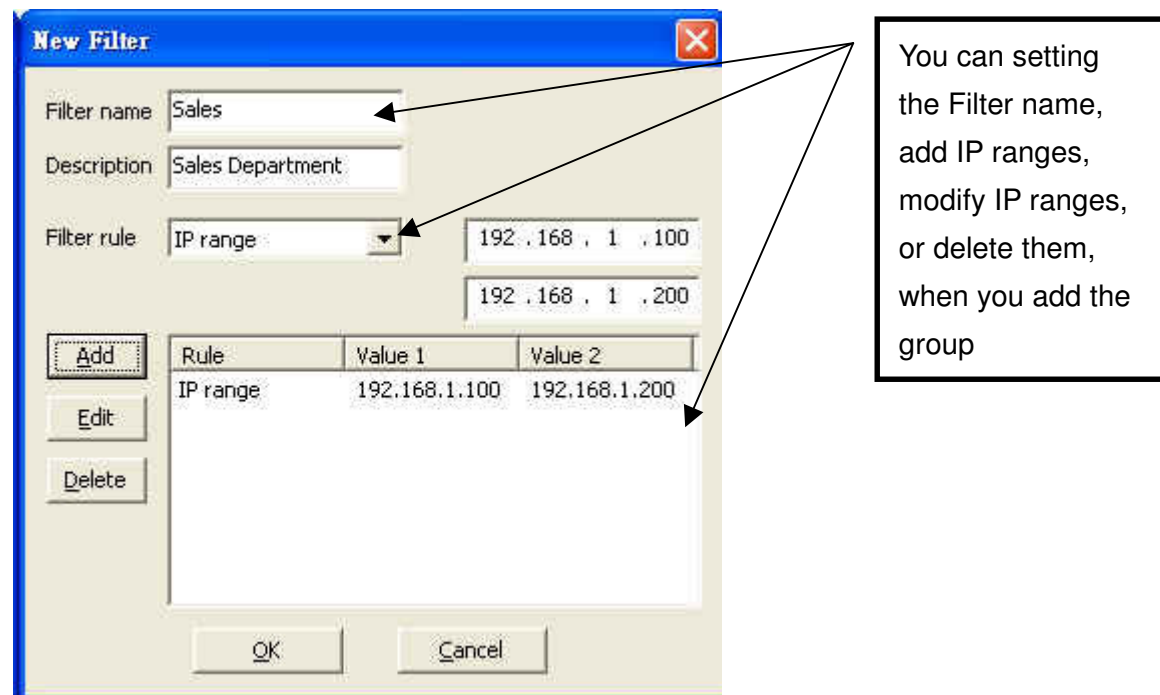


5.2. Filtering

5.2.1. IP Range

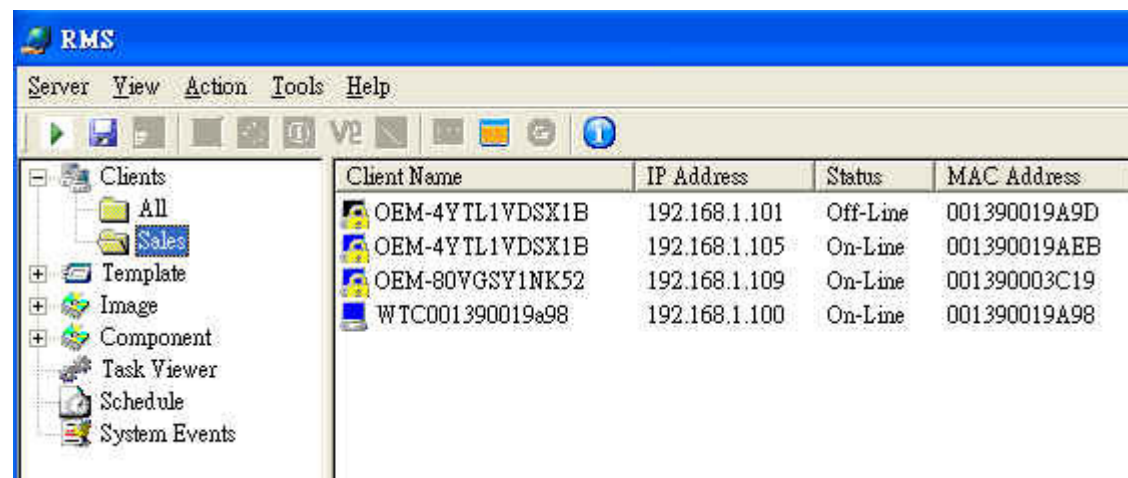
- Click “New” to add a new group.
- Select the Filter rule – IP range

Figure 5.2



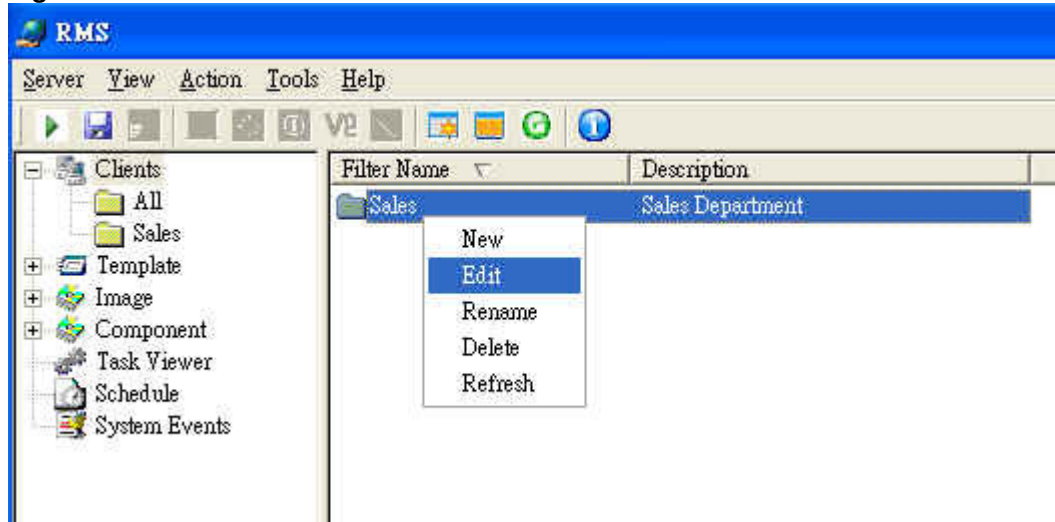
- Specify Filter name and Description
- Set the IP range
- Click “Add” in the menu to create a new filter. User may set a friendly name for the group (Ex. Sales, RD). And user may also set one or more IP range in it.

Figure 5.3



- To edit a selected group
Left click the group to select it. Then right click to pop-up the menu. Selected “**Edit**” to pop-up the window. User may change the group name by replacing a new name. Or edit/delete the selected IP range.

Figure 5.4

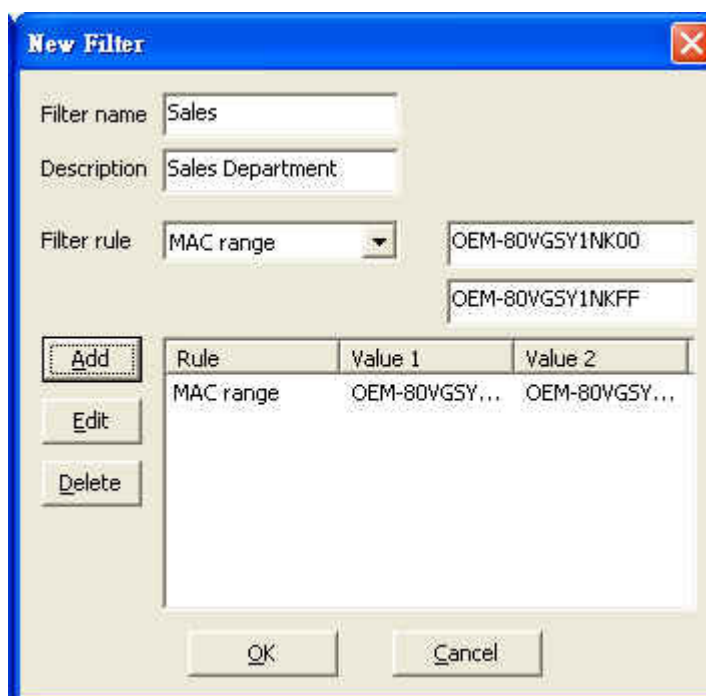


Note: The ranges in the group can be different subnets.

5.2.2. MAC Address

Enter the MAC address that you want to filter the clients.

Figure 5.5



5.2.3 OS Type

Select the OS type that you want to filter. (CE5.0 、 CE6.0 、 XP Embedded 、 Linux)

Figure 5.6

The 'New Filter' dialog box is shown with the following fields and options:

- Filter name: Sales
- Description: Sales Department
- Filter rule: OS type (dropdown menu)
- Value 1: CE 5.0 (dropdown menu)
- Value 2: (empty dropdown menu)
- Buttons: Add, Edit, Delete, OK, Cancel

The 'Value 1' dropdown menu is open, showing the following options:

- CE 5.0
- CE 6.0
- XP Embedded
- Linux

5.2.4 Product Name

Select the product name that you want to filter.

Figure 5.7

The 'New Filter' dialog box is shown with the following fields and options:

- Filter name: Sales
- Description: Sales Department
- Filter rule: Product name (dropdown menu)
- Value 1: TK-3370XP (text field)
- Value 2: (empty text field)
- Buttons: Add, Edit, Delete, OK, Cancel

The 'Value 1' text field contains the text 'TK-3370XP'.

5.3. Delete a selected group

Left click the group the selected it. Then right click to pup-up the group menu.

Selected "**Delete**" will delete and free the license number of the WBTs in the group.

Note:

- Each WBT in any group occupy a license number. You can increase the license number by entering an upgrade number obtained by your provider. The way to enter the license number please see the chapter.
 - You cannot delete the "All" group.
 - You can put a client into more than one group.
-

Chapter 6.

Schedule

6.1. Schedule event

This chapter explains how to use scheduler to schedule a timely event to "Reboot", "Shutdown", "Wakeup on LAN" or "Update Firmware" of one single appliance or a group of appliances. In another word, we can schedule to power on a group of appliances at 8:00am every morning and power off a group of appliances at 6:00pm every evening. The schedule event could be "Once" by date and time or "Every Day" by time. Since multi-layered group is supported, we can schedule an event for a group which event will be executed for all appliances in all sub groups under the scheduled group.

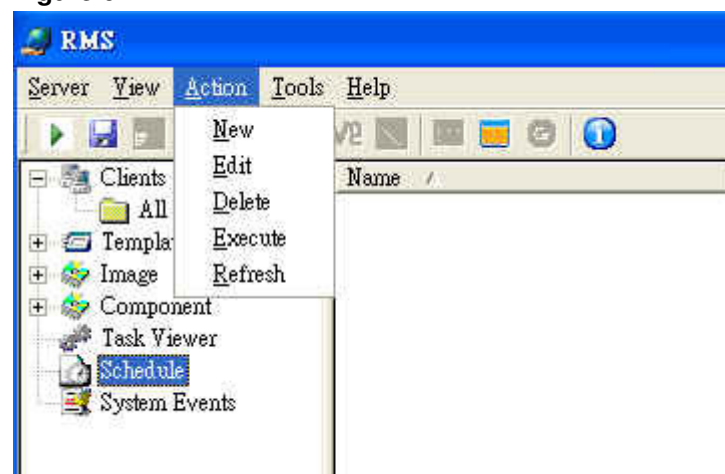
Note:

When running the scheduler, the Remote Manage should always be on.

6.2. Add a Schedule

- Click "**Schedule**" and select "**Action**". You will see the options as follows.

Figure 6.1



- Click **"New"**

Figure 6.2

Schedule

Name:

Time: ☒ Once ☐ Every Day
 Date: 2007/ 5/10
 Time: 下午 03:51:46

Function:

Description:

Client List

Name	MAC
OEM-80VGSY1NK52	001390003C19
OEM-AQ102YCQXKX	001390014322
WTC001390019a98	001390019A98
OEM-4YTL1VDSX1B	001390019ADE
OEM-4YTL1VDSX1B	001390019AEB

Add Delete

Name	MAC
OEM-AQ102YCQXKX	001390014322
WTC001390019a98	001390019A98

OK Cancel

- **Schedule Name**
This is the name to identify the schedule event.
- **Schedule Time**
The schedule type could be "Once" or "Every Day".
- **Schedule Function**
This is the scheduled operation to be performed on appliances. The schedule function could be "Reboot", "Shutdown", "Wakeup on LAN", and "Update Firmware".
- **Schedule Client List**
This is the client name that the schedule event is going to perform. Select the client in the client list and click Add.

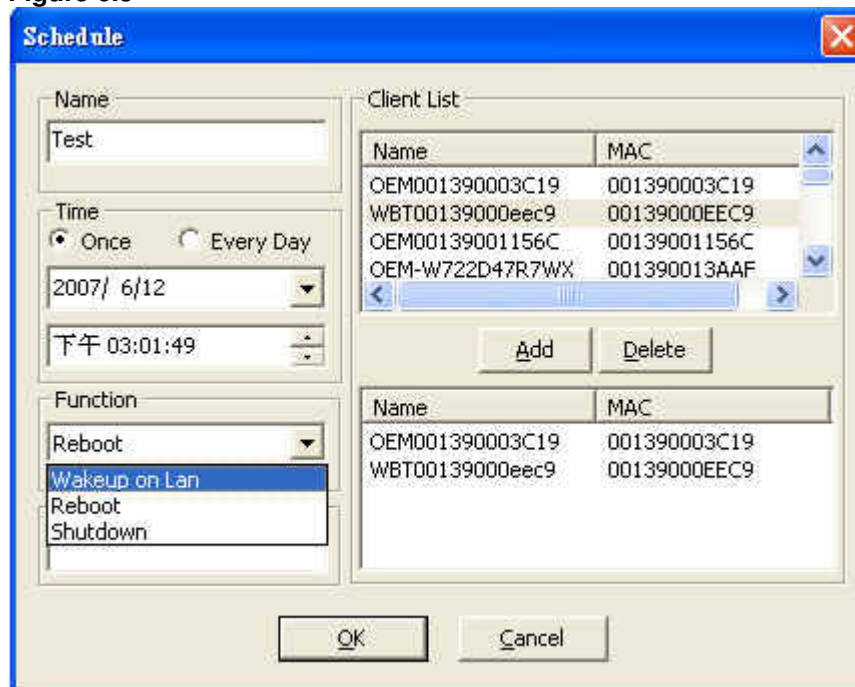
If a schedule event is scheduled to perform "Once", this event will be deleted after the event is executed.

From the main screen, we can "New" a schedule event, "Edit" an existing schedule event or "Delete" a schedule event.

- **Function list**

The drop down combo box can select "Reboot", "Shutdown", "Wakeup on Lan"

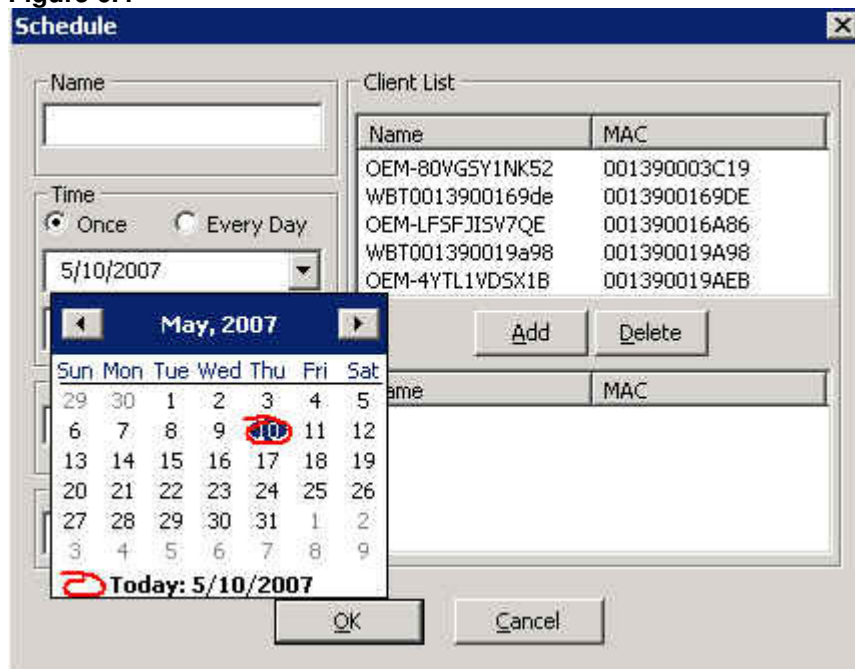
Figure 6.3



- **Time**

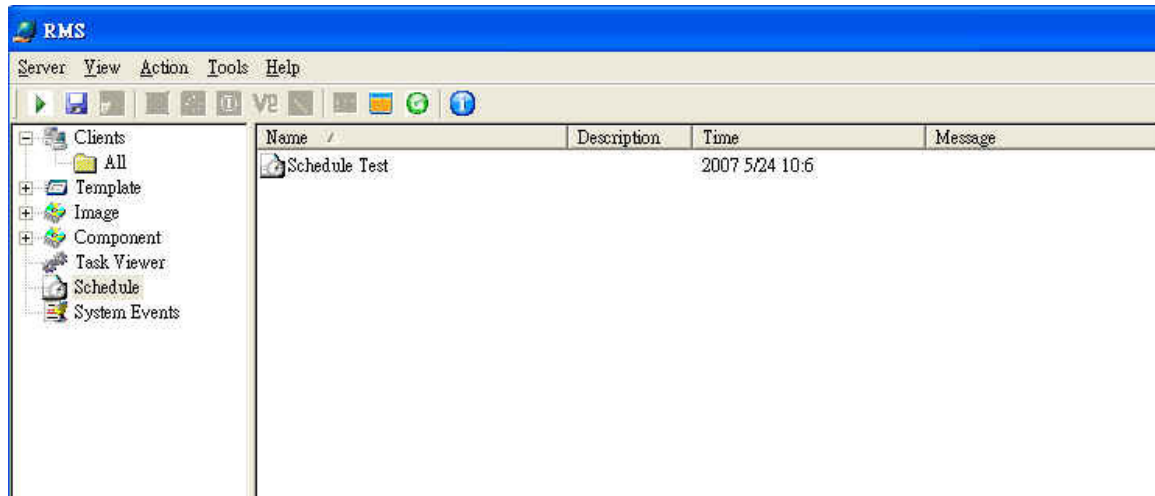
You can set which days you want to schedule it.

Figure 6.4



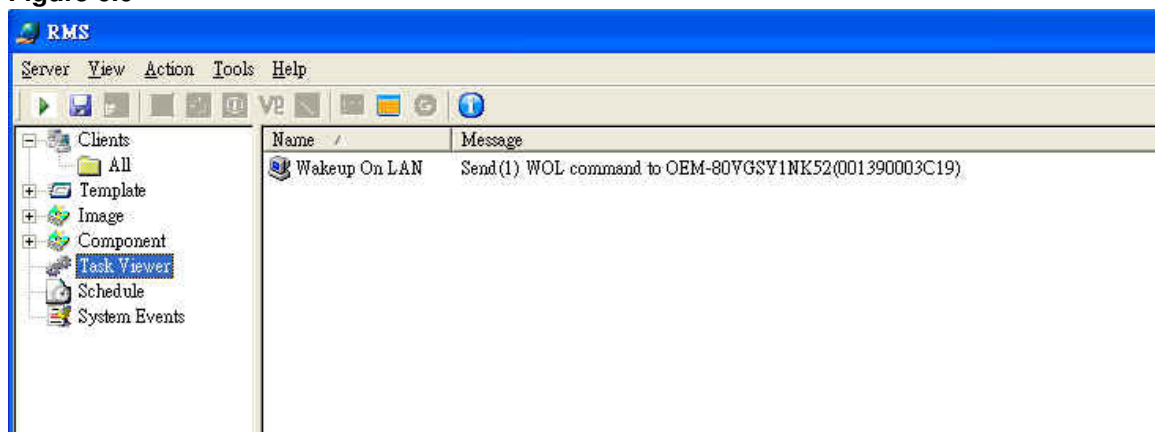
- Press “OK” and you will see the schedule event by clicking **Schedule** field.

Figure 6.5



- Task Viewer will also list the schedule event.

Figure 6.6



Chapter 7.

Using Remote Manage System to Control XP Embedded

7.1. Authorization

- The process of granting or denying access to a client. When RM server starts first time, each client is locked or not authorized. See the figure 7.1.
The option with authorization will be displayed when you right click the client.
So you have to authorize first if you want to remote control client.

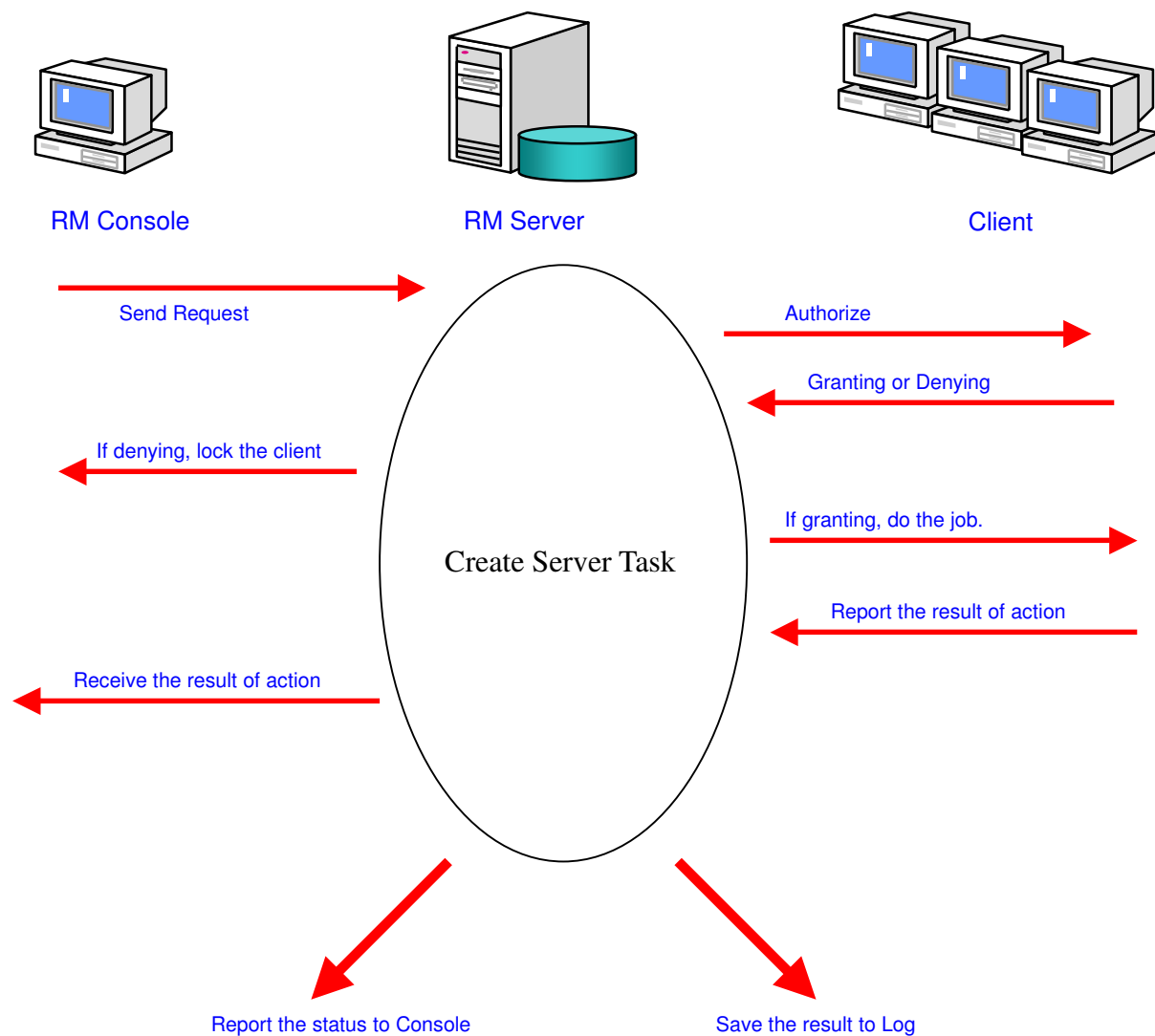
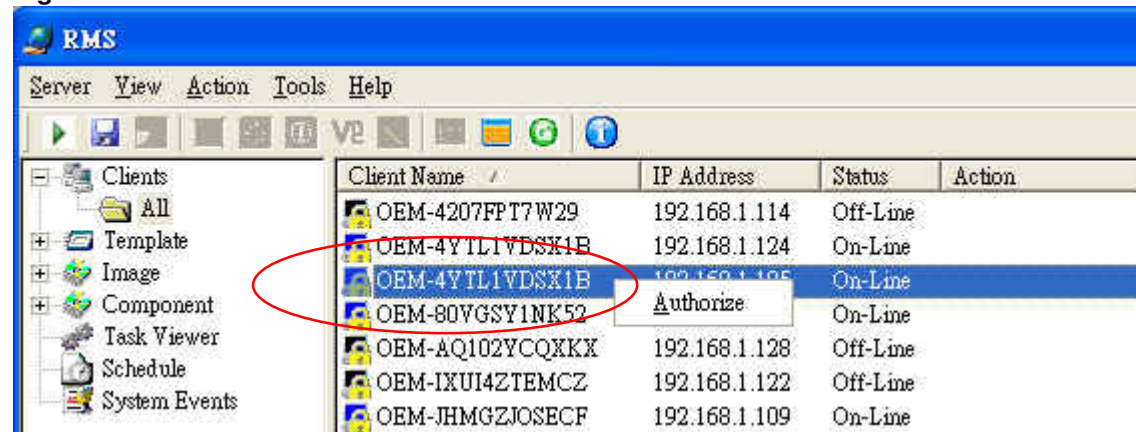
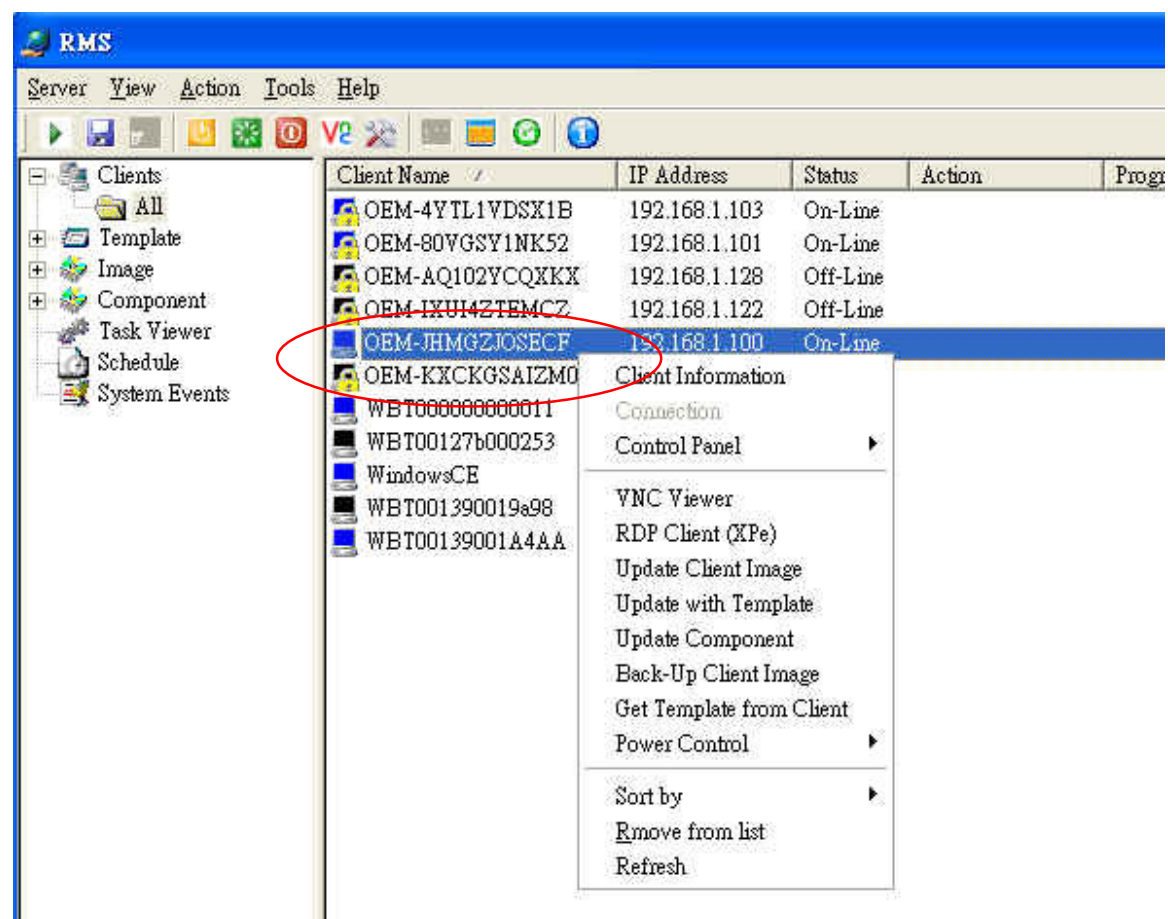


Figure 7.1



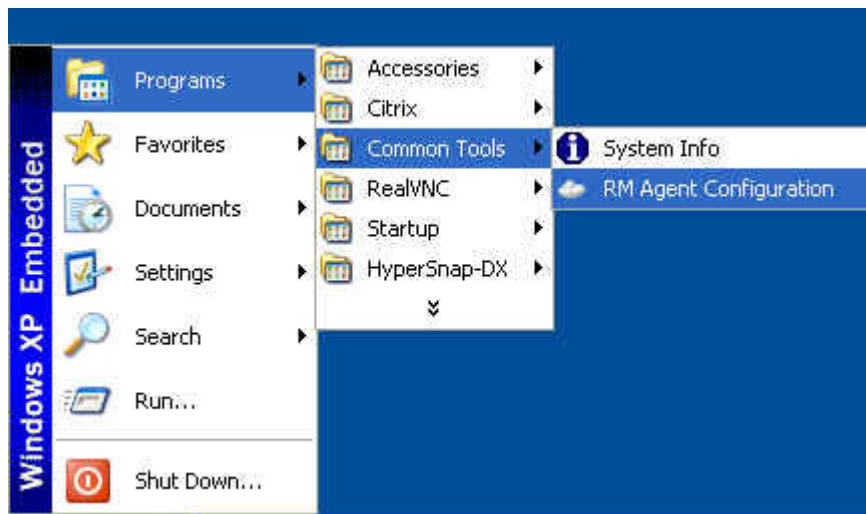
- If the authorization is passed, the client will be unlocked. And you can start to control the client.

Figure 7.2



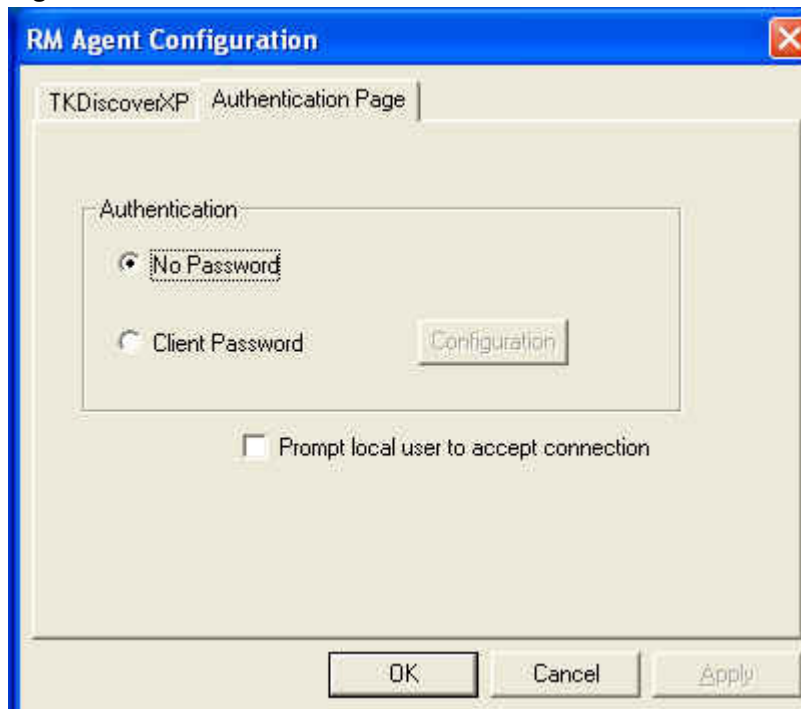
- The setting of authorization **is based on client (XP Embedded)**.
You can go to Start→Programs→Common Tools→RM Agent Configuration

Figure 7.3



- You can change the settings by click the Authentication Page.

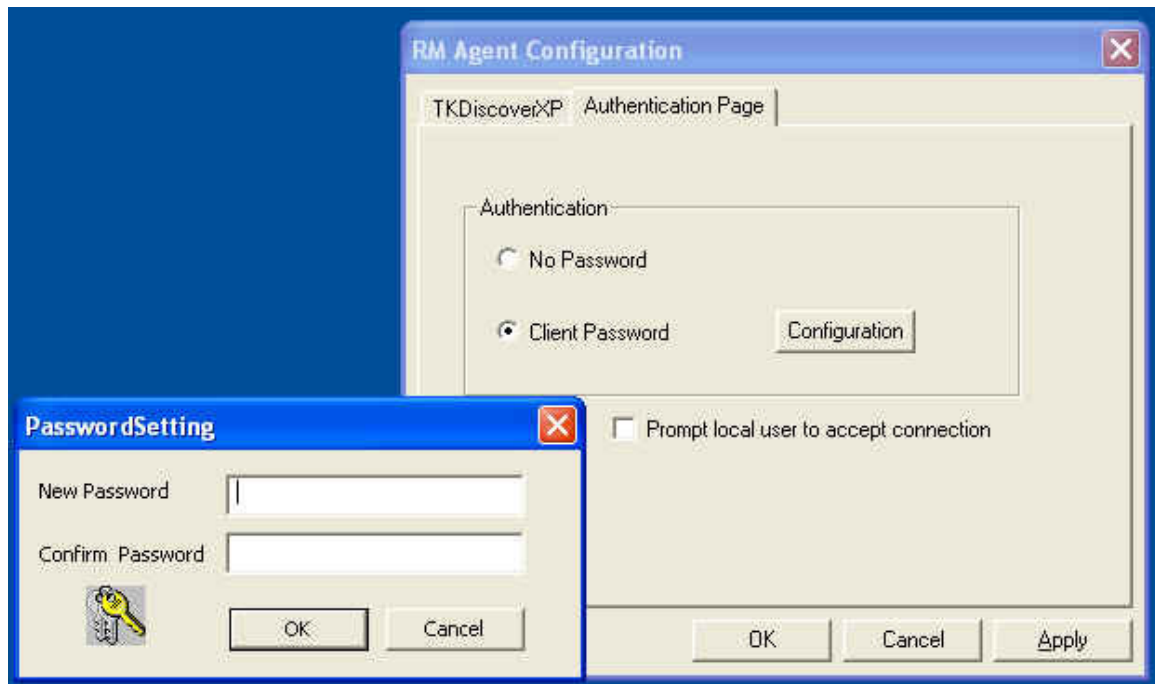
Figure 7.4



Note : We don't set any password with default settings. So the authorization will be passed always.

- Client Password

Figure 7.5

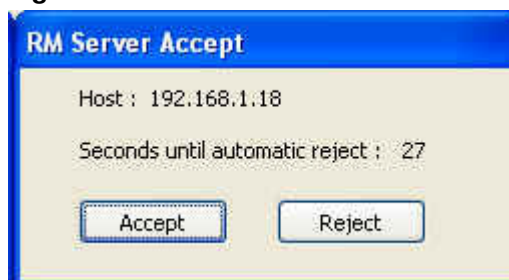


- Prompt local user to accept connection

If you click this option, there will pop up a message box on client when the server wants to connect to client.

So the client can decide to grant or deny the server.

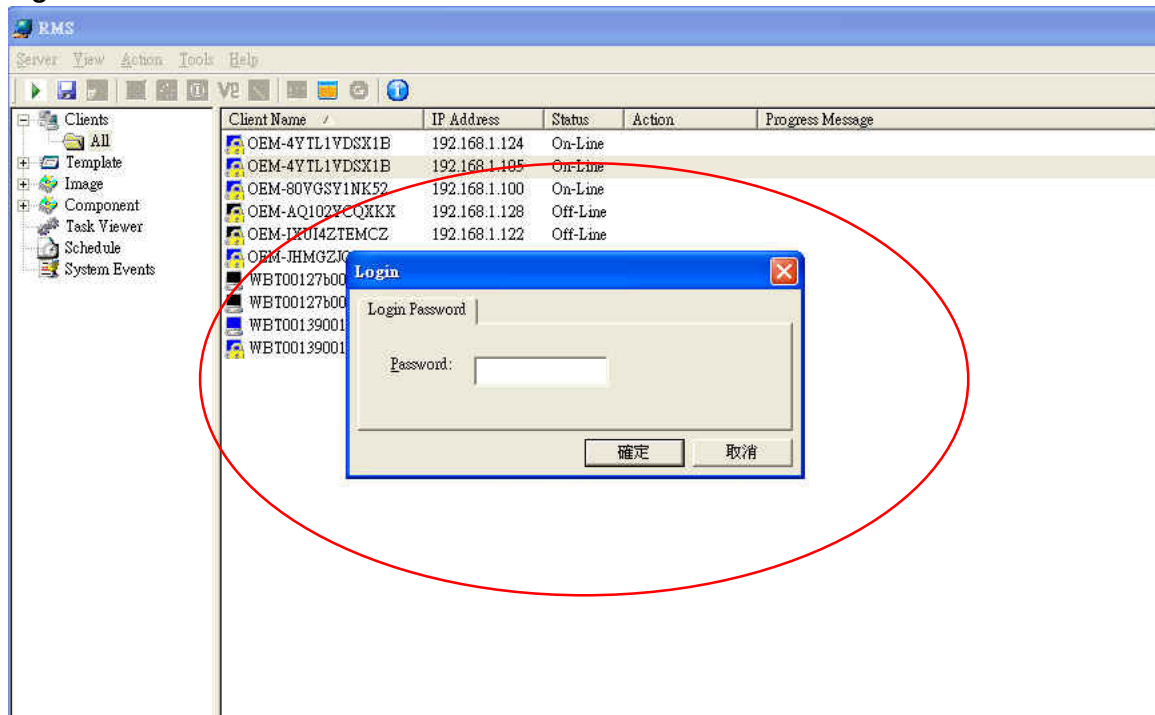
Figure 7.6



Note : There will be reject automatically after 30 seconds.

- When you set the client password for authorization, there will pop up a **Login** dialog for you to enter password.

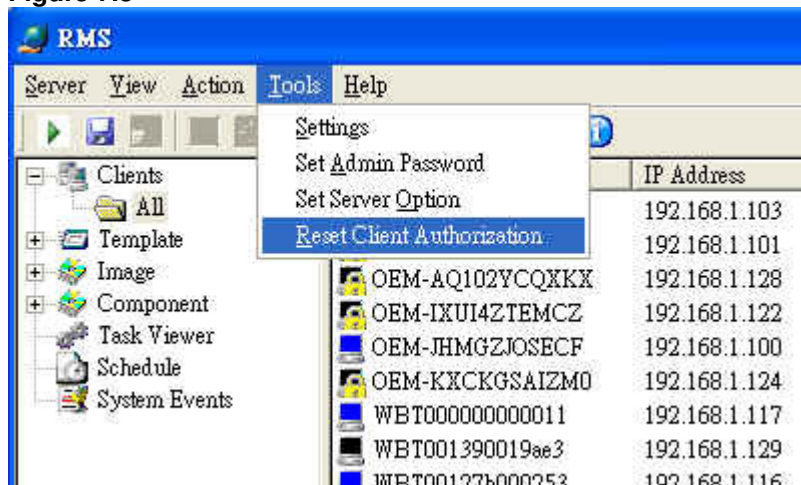
Figure 7.7



7.1.1. Reset Client Authorization

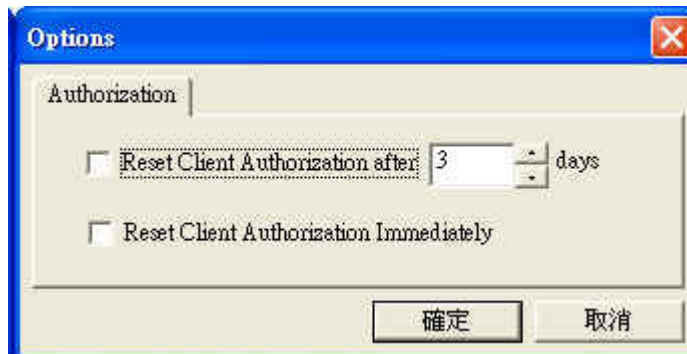
- When the client had been authorized, server will keep the settings and never authorize again until RM server restart. So we add a function to reset client authorization. For example, if you change the client password for authorization and want to re-authorize again, you don't need to restart server. Just select Tools→Reset Client Authorization. You will see the picture as follows.

Figure 7.8



- Click it and there will be two options for choosing.
 - **Reset Client Authorization after some days**
You can select how many days later do you want to re-authorize again.
 - **Reset Client Authorization Immediately**
Re-authorize immediately.

Figure 7.9



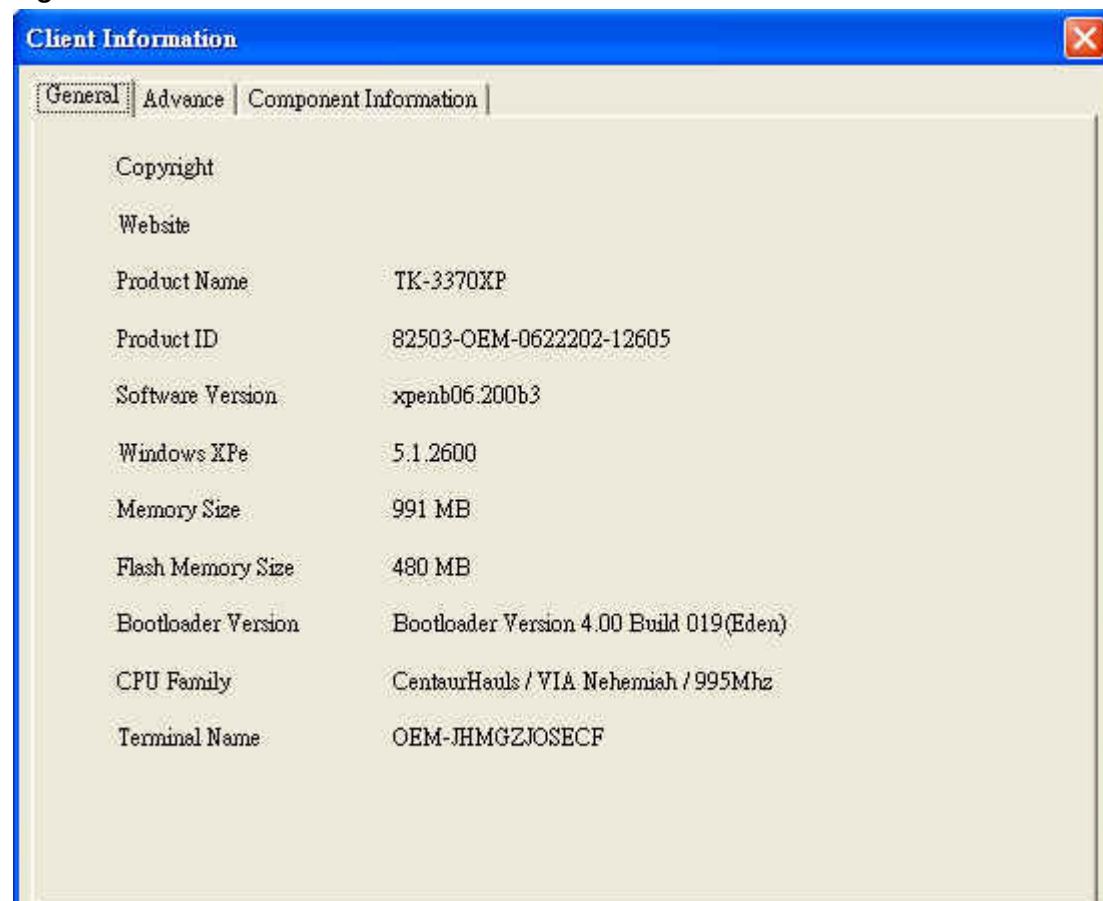
Note : When you decide to reset the client authorization, RM server will start to check the authorization in background process when you want to control the client. If authorized failed, the client will be un-locked again.

7.2. Client Information

7.2.1. General

- This Page describes product information, such as Copyrights, Product Name, Product ID, Software Version etc.

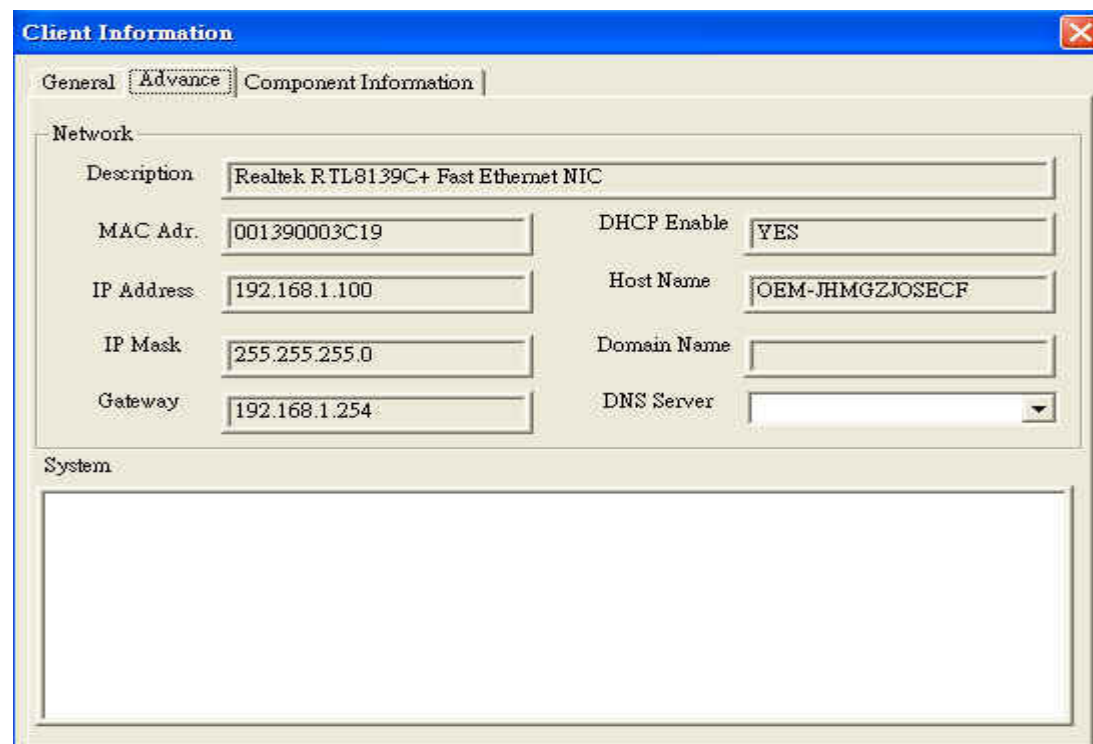
Figure 7.10



7.2.2. Advance

- This Page describes network information, such as IP Address, MAC Address, Gateway, etc.

Figure 7.11

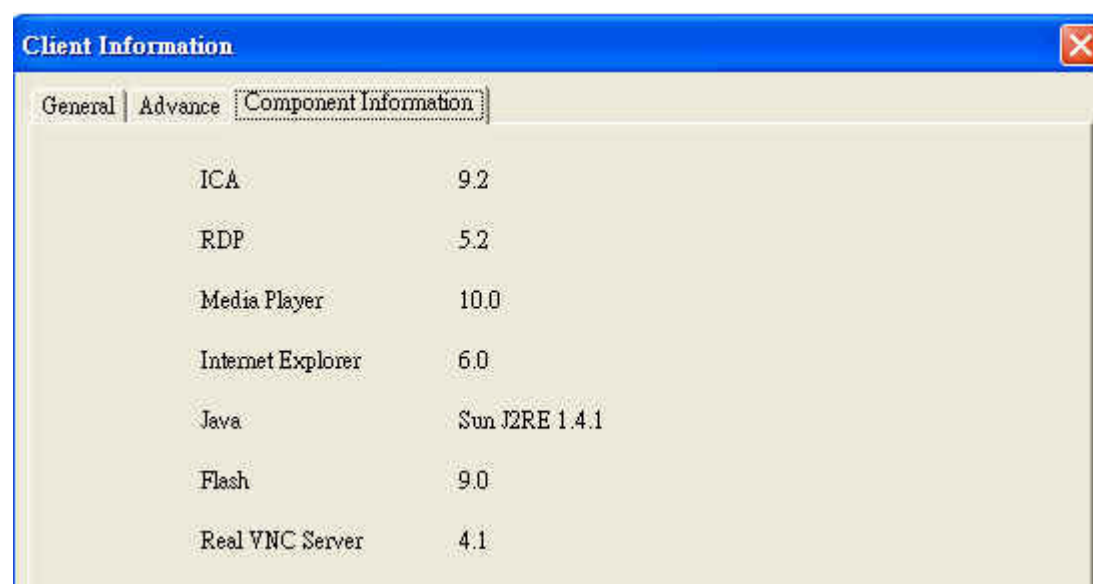


The image shows a 'Client Information' dialog box with three tabs: 'General', 'Advance', and 'Component Information'. The 'Advance' tab is selected. It contains two sections: 'Network' and 'System'. The 'Network' section has several fields: 'Description' (Realtek RTL8139C+ Fast Ethernet NIC), 'MAC Adr.' (001390003C19), 'IP Address' (192.168.1.100), 'IP Mask' (255.255.255.0), 'Gateway' (192.168.1.254), 'DHCP Enable' (YES), 'Host Name' (OEM-JHMGZJOSECF), 'Domain Name' (empty), and 'DNS Server' (a dropdown menu). The 'System' section is currently empty.

7.2.3. Component Information

- This Page describes component information of client, like ICA, RDP, JAVA, Media Player, IE, etc.

Figure 7.12



The image shows the 'Client Information' dialog box with the 'Component Information' tab selected. It displays a table of installed components and their versions.

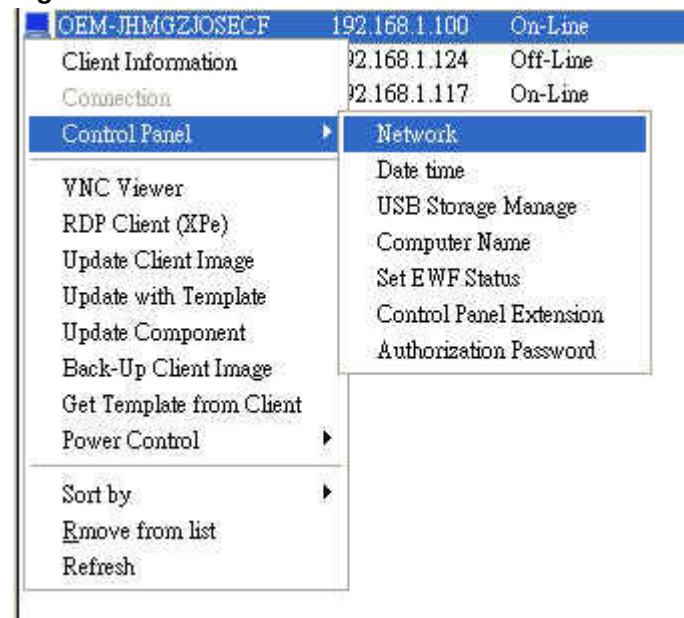
ICA	9.2
RDP	5.2
Media Player	10.0
Internet Explorer	6.0
Java	Sun J2RE 1.4.1
Flash	9.0
Real VNC Server	4.1

Note : You also can see these information by clicking Start→All Programs→Common Tools→System Info on XP Embedded client.

7.3. Control Panel

- The Control Panel lets you configure your client's function. Right click the client and you will see the all function list of control panel for XPe.

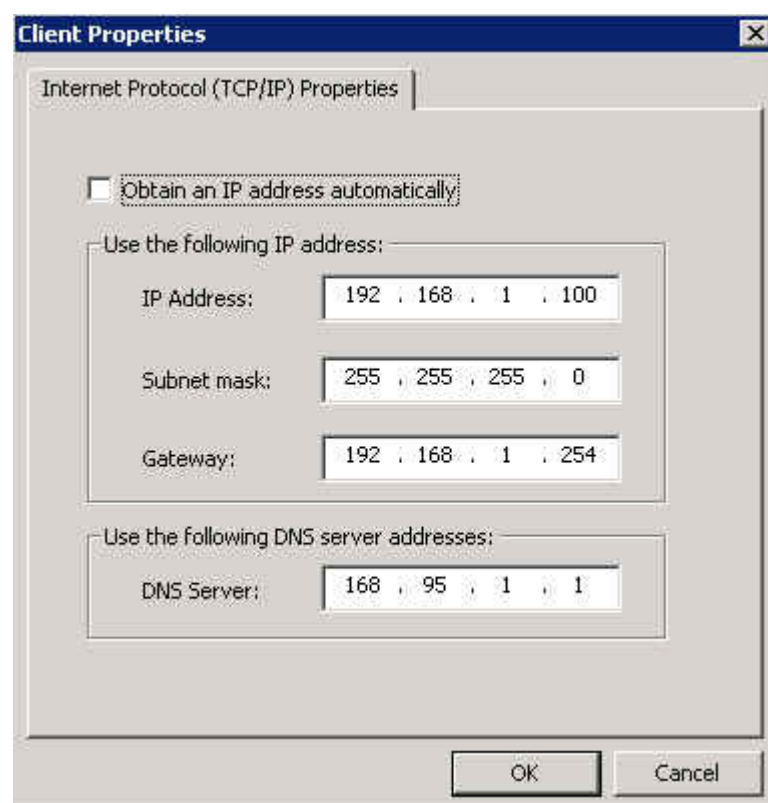
Figure 7.13



7.3.1. Network

- You can use this function to remote change client's IP address.

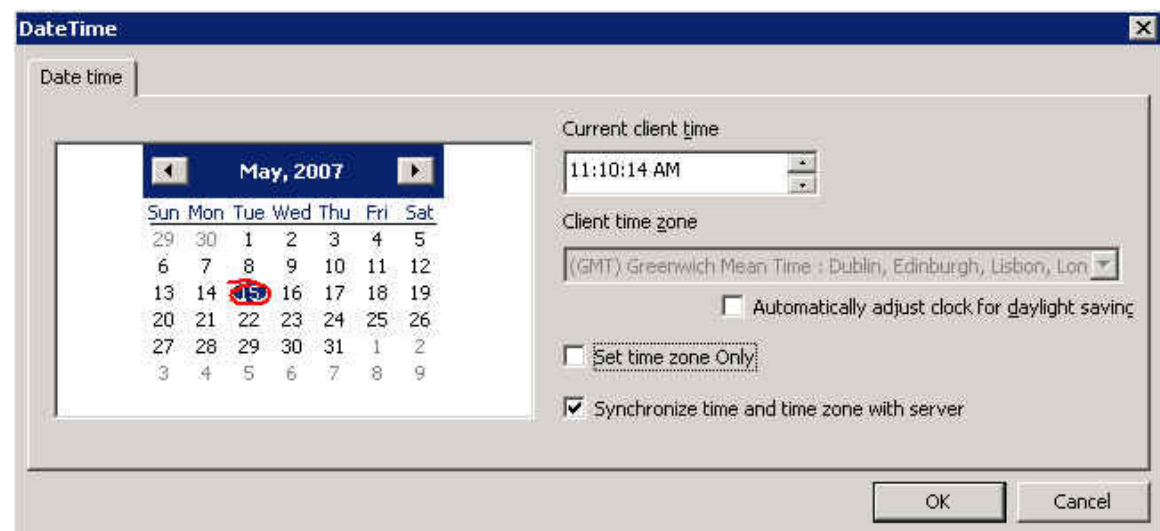
Figure 7.14



7.3.2. Date Time

- You can set up date time for this client.

Figure 7.15



7.3.3. USB Storage Manage

- You can let USB storage device ON or OFF, like USB flash, CDROM, Floppy, Hard Disk, etc.

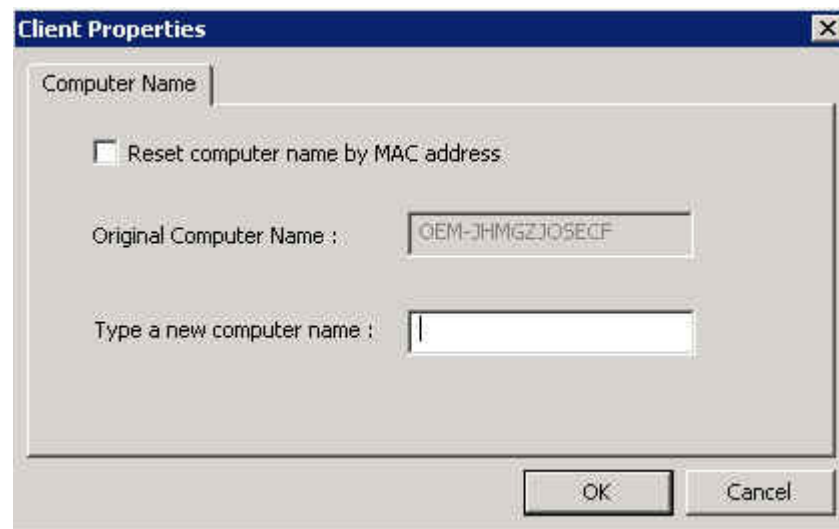
Figure 7.16



7.3.4. Computer Name

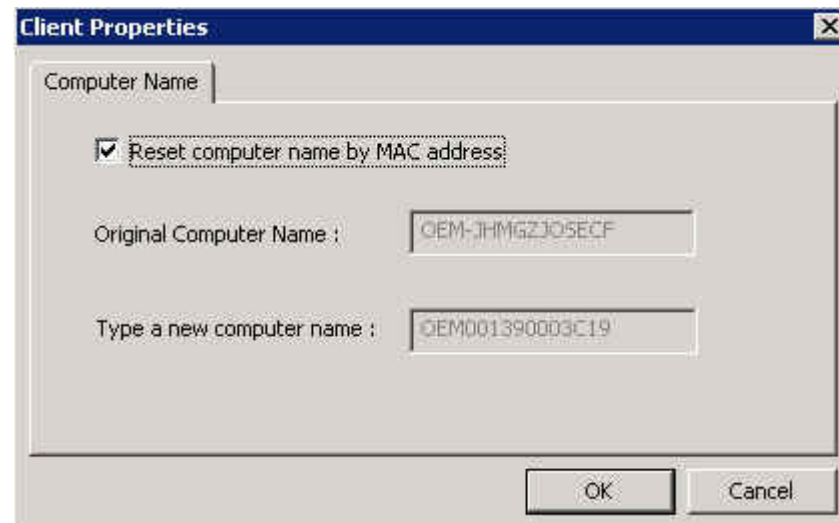
- You can use this function to change client's computer name.

Figure 7.17



- You also can computer name by MAC address directly.

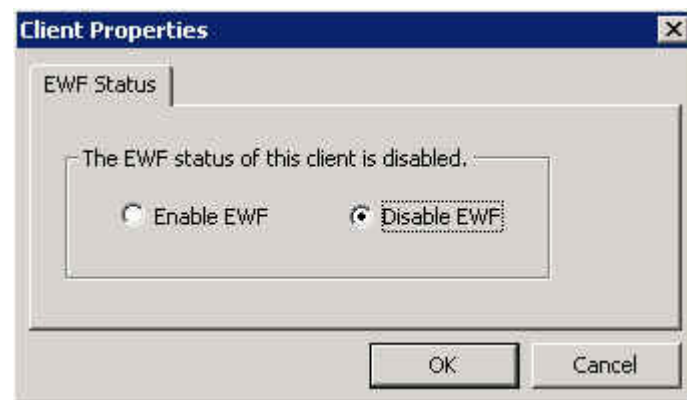
Figure 7.18



7.3.5. Set EWF Status

- You can use this function to change EWF status.

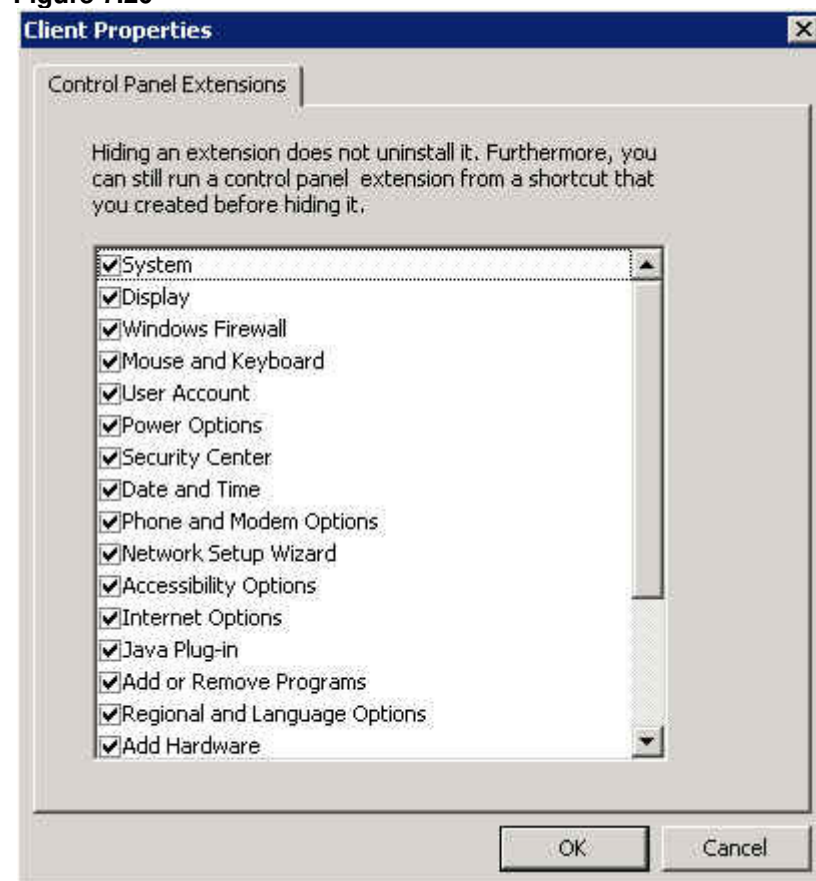
Figure 7.19



7.3.6. Control Panel Extension

- You can use this function to hide or display the items of control panel on XPe client.

Figure 7.20



Note : Hiding an extension doesn't uninstall it. You just cannot see them in the Control Panel. Furthermore, you can still run a control extension from a shortcut that you created before hiding it.

7.3.7. Authorization Password

- You can use this function to change the password for authorizing.

Figure 7.21

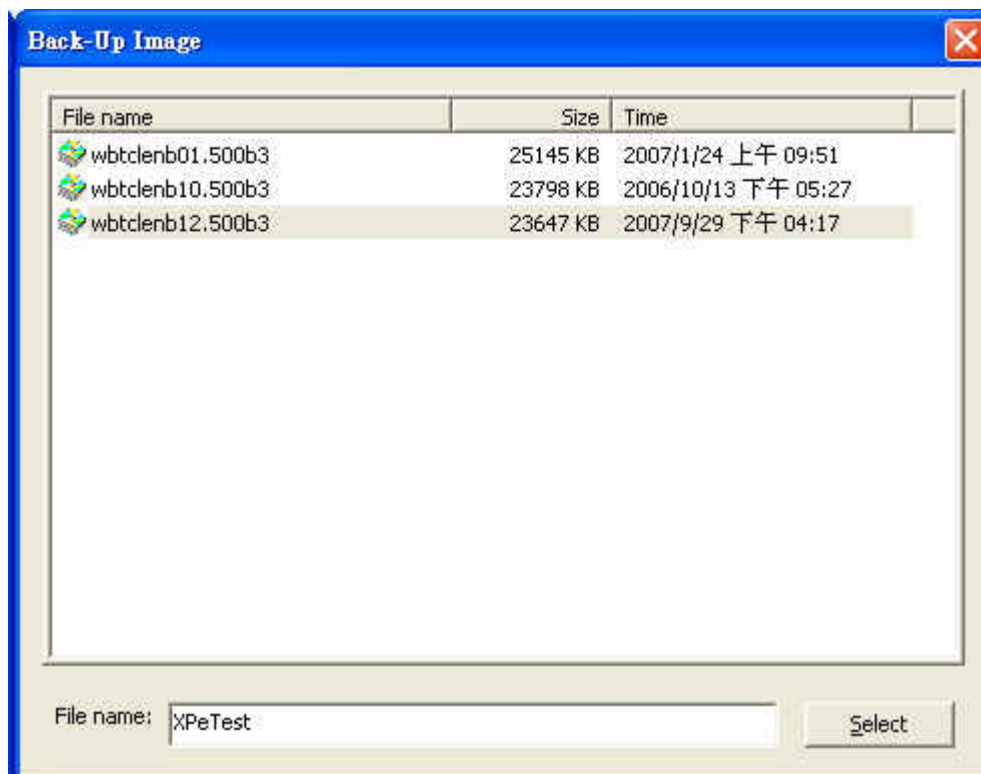


A dialog box titled "Password" with a close button (X) in the top right corner. It contains three input fields: "Password:" with the text "*****", "New Password:" which is empty, and "Confirm new password:" which is empty. At the bottom, there are "OK" and "Cancel" buttons.

7.4. Image Update/Backup

- You can use RMS to update or backup XPe client. Don't need any FTP server.
- Right click the client and select "Back-Up Client Image".

Figure 7.22



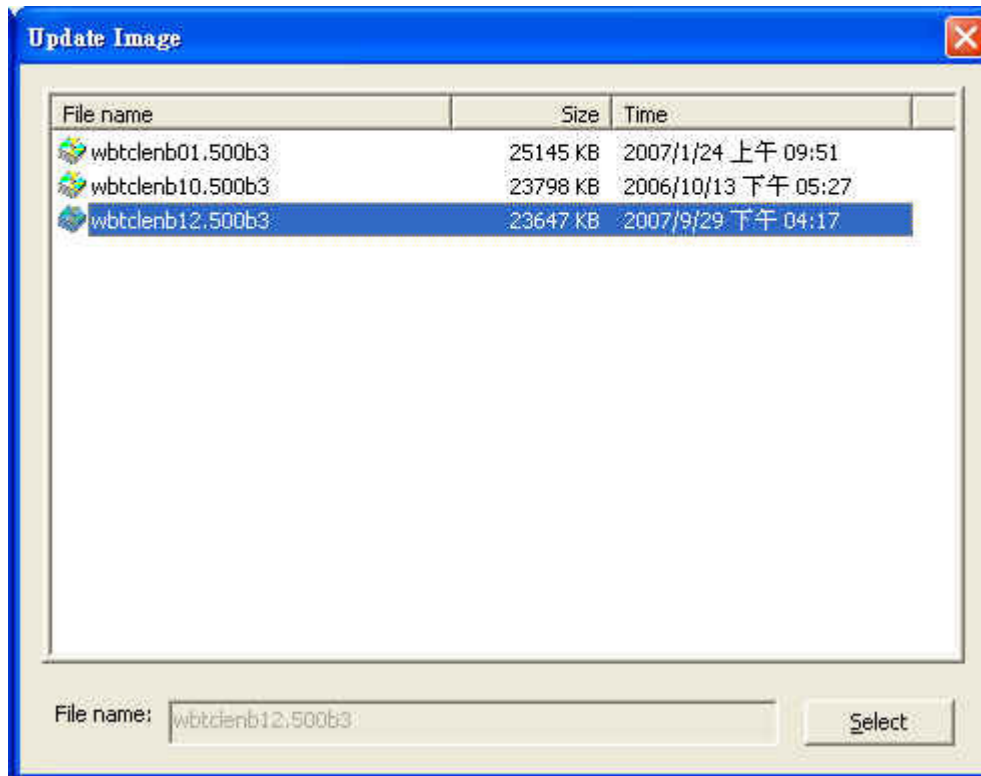
A dialog box titled "Back-Up Image" with a close button (X) in the top right corner. It contains a table with three columns: "File name", "Size", and "Time". The table lists three files. Below the table, there is a "File name:" label followed by a text box containing "XPeTest" and a "Select" button.

File name	Size	Time
wbtclenb01.500b3	25145 KB	2007/1/24 上午 09:51
wbtclenb10.500b3	23798 KB	2006/10/13 下午 05:27
wbtclenb12.500b3	23647 KB	2007/9/29 下午 04:17

File name: XPeTest Select

- Right click the client and select “Update Client Image”.
Select which image file you want to update.

Figure 7.23



Note : The whole image files are stored in **C:\Program Files\RM6\ClientImage\XP**.

7.5. Get/Apply Template

- According to many clients have their special settings. We make the template for you to save those special settings. When next time you want to use the settings, you can load the template files.

Of course, if you have many special configuration type and don't want to configure these clients one by one (maybe here are a huge amount of clients). You can also use the template function to make your work easier. You can setup a whole group of clients with one template file.

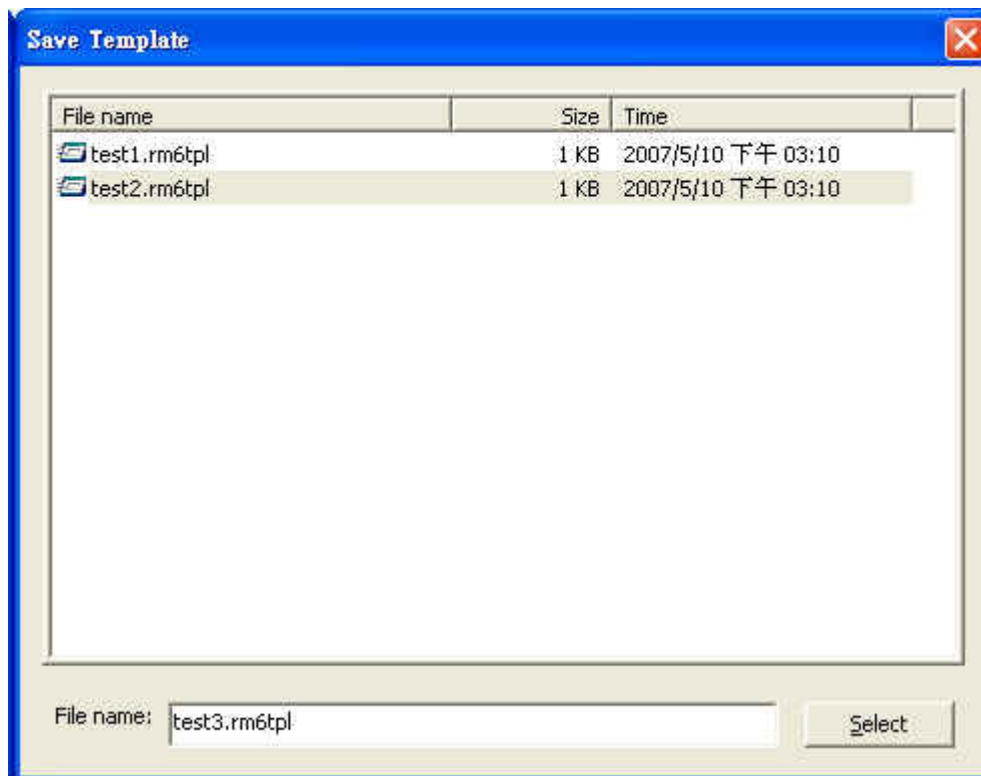
The template function for XPe include three items

1. **USB Storage Manage**
2. **EWF Status**
3. **Control Panel Extensions**

So you can get these setting and apply to other clients.

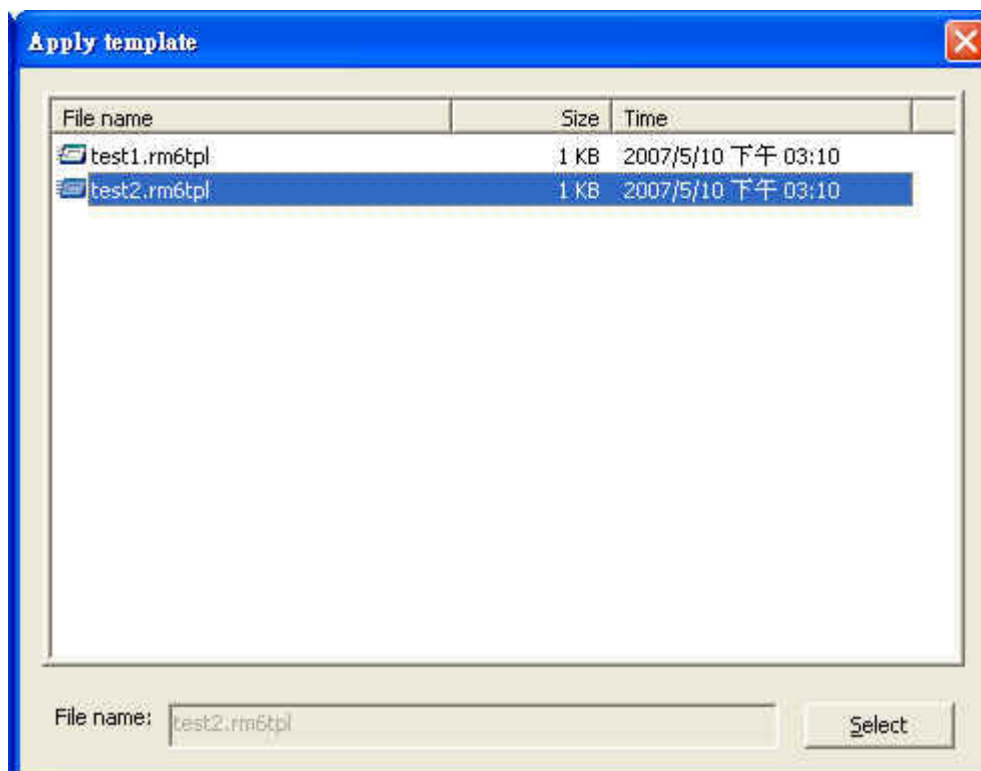
- Right click the client and select “Get Template from Client”.

Figure 7.24



- Right click the client and select “Apply Template to Client”.

Figure 7.25

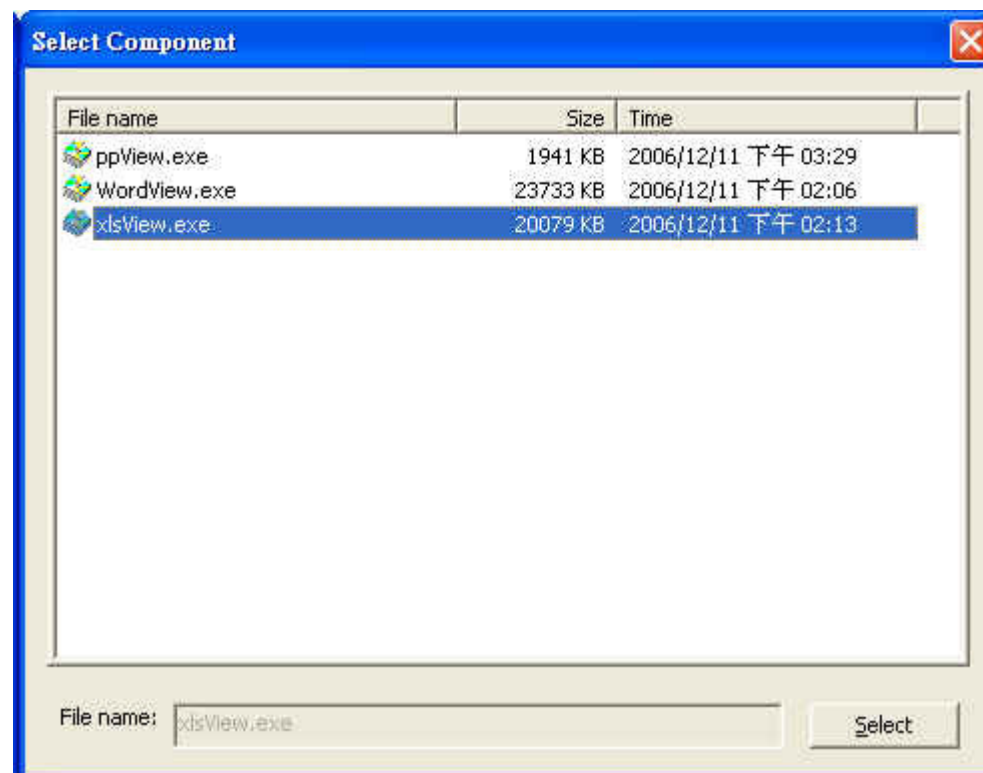


Note : All template files are stored in **C:\Program Files\RM6\Template\XP**

7.6. Component Update

- We support the component update for XP Embedded. Basically, we will provide the necessary component patch files for customer on our web site. You can download it and save in **C:\Program Files\RM6\ClientComponent\XP**.
Right the client and select “**Update Component**” and you will see the all component files list.

Figure 7.26



7.7. Shadowing Remote Control

- A Shadowing Remote Control Tool is a network application that allows users to manage and control PCs or networks from a remote location.
In our XP Embedded, we have two ways to remote control the client.

7.7.1. VNC Viewer

Right click the client and select “VNC Viewer”. There will pop-up a “VNC Authentication” dialog. You have to enter the password. (Default password is “**password**”).

So you can login client and remote control it.

Figure 7.27

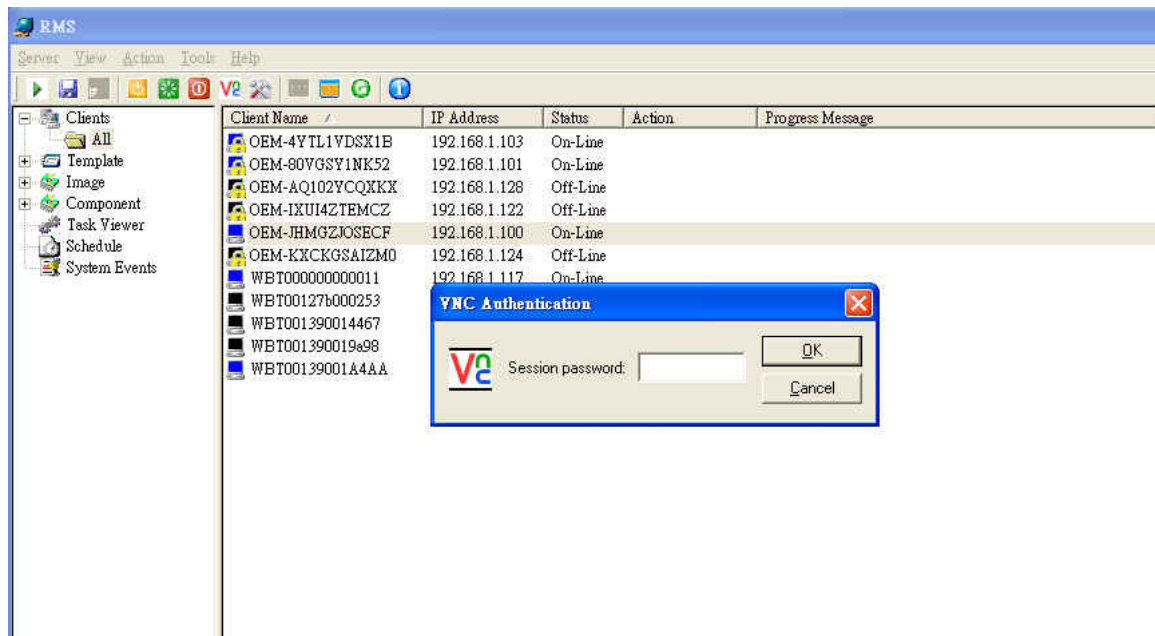
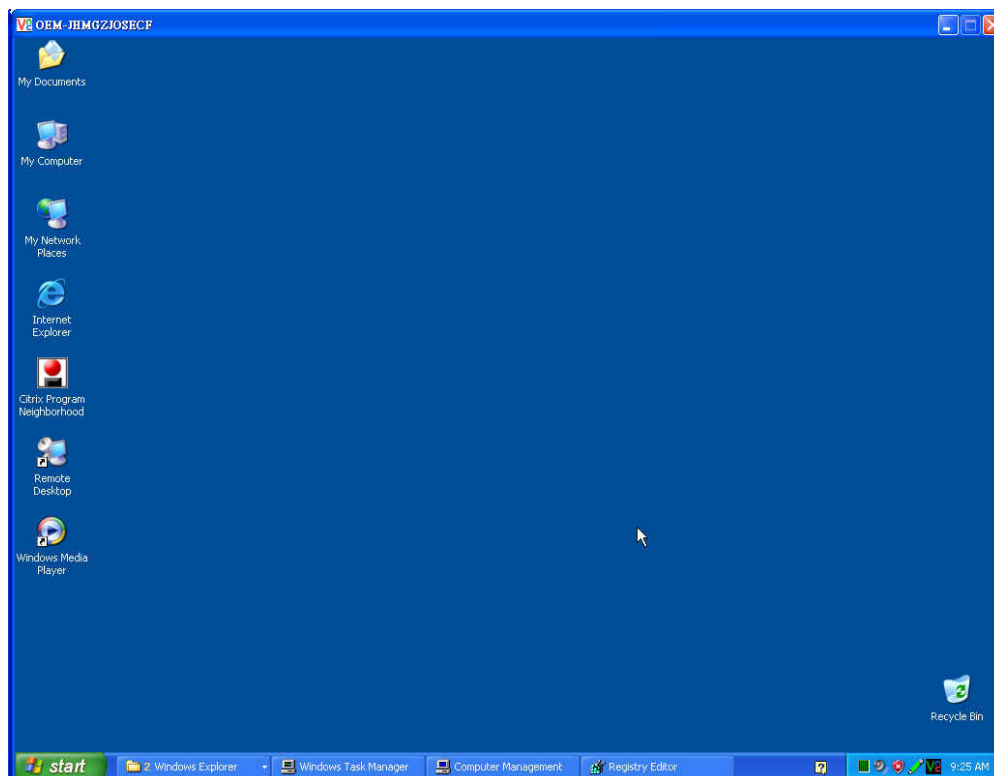


Figure 7.28



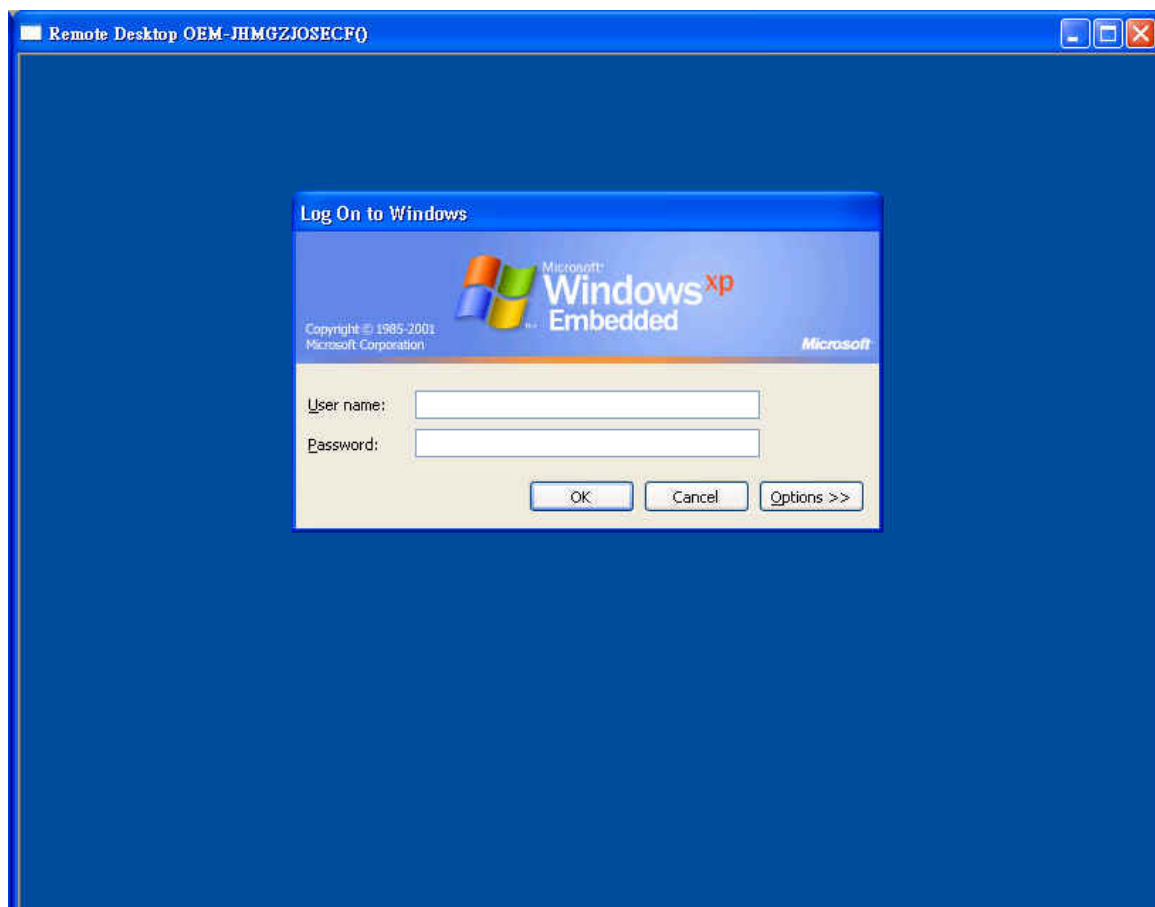
7.7.2. RDP Client

- User can directly connect to target clients and control its keyboard and mouse. Like VNC viewer, this is a powerful function to solve many questions from user without going to user's place.

People can login into the XPe client by RDP protocol, treat that client as a RDP server. So, we can use this function to setup the XPe client 's properties.

Right click the client and select "RDP Client(XPe)". It will also pop-up a new window just like the RDP connection. Please input the user name and password to login into the client. If you use the Administrator account, then you can do all the setting of it. Please remember one thing, if you surely want to save the change into the WBT you must disable the EWF to make it come true.

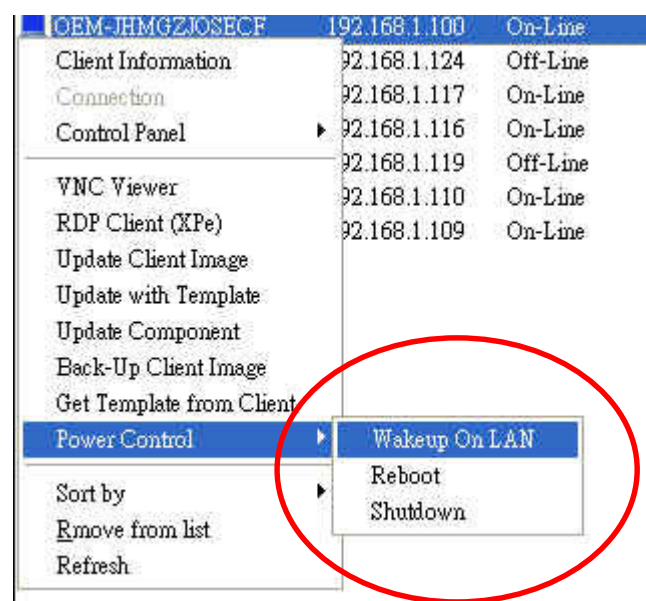
Figure 7.29



Note : When you logon the client, the user's Windows Session will end and any un-saved data will be lost. So please make sure all data are saved.

7.8. Power Control

Figure 7.30



7.8.1. Wakeup on LAN

- Select one or more destination(s), and then right click, select “Power Control” and select “Wakeup On LAN” to power on the appliance(s).
You can wake up a client with “Wake on LAN” enabled on LAN.
If you want to wake up a client on WAN (on another subnet), you have to set the router to pass the wake up packet by enable UDP broadcasting.
For more details regarding router setting, please check the router’s user manual.



The monitor color on the client list is in BLUE when it's on.

7.8.2. Reboot

- Select one or more destination(s), and then right click, select “Power Control” and select “Reboot” to reboot the appliance(s).

7.8.3. Shutdown

- Select one or more destination(s), and then right click, select “Power Control” and select “Shutdown” to power off the appliance(s).
The monitor color on the client list will turn from blue to black after the appliance (s) shutdown.



The monitor color on the client list is in BLACK when it's off.

Chapter 8.

Using Remote Manage System to Control Windows CE

8.1. Authorization

- The process of granting or denying access to a client. When RM server starts first time, each client is locked or not authorized. See the figure 8.1.
The option with authorization will be displayed when you right click the client.
So you have to authorize first if you want to remote control client.

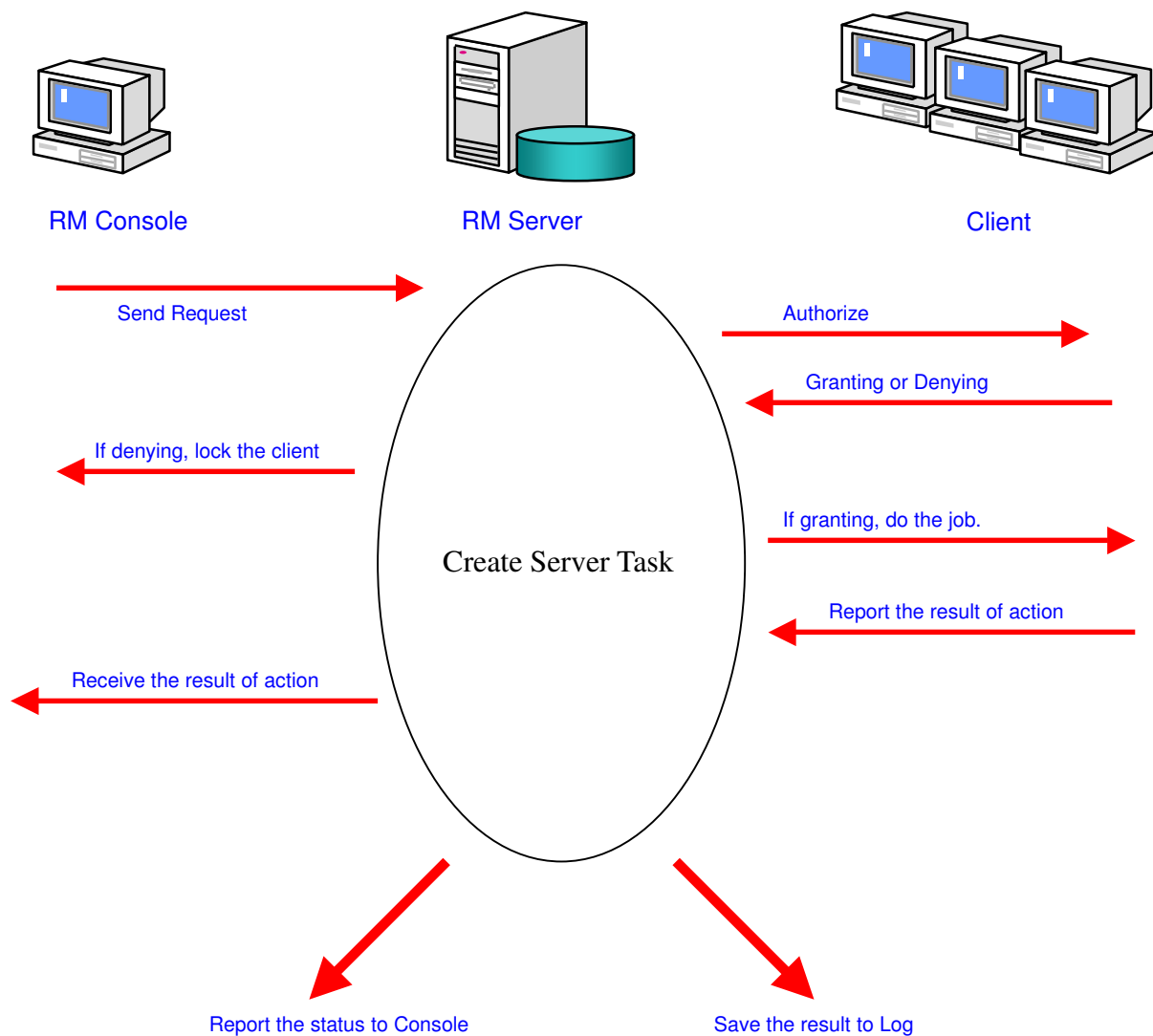
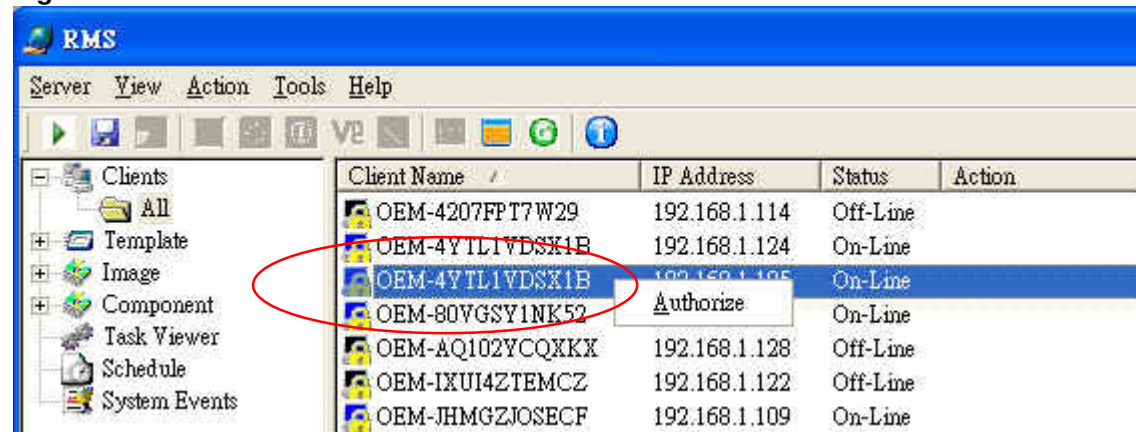
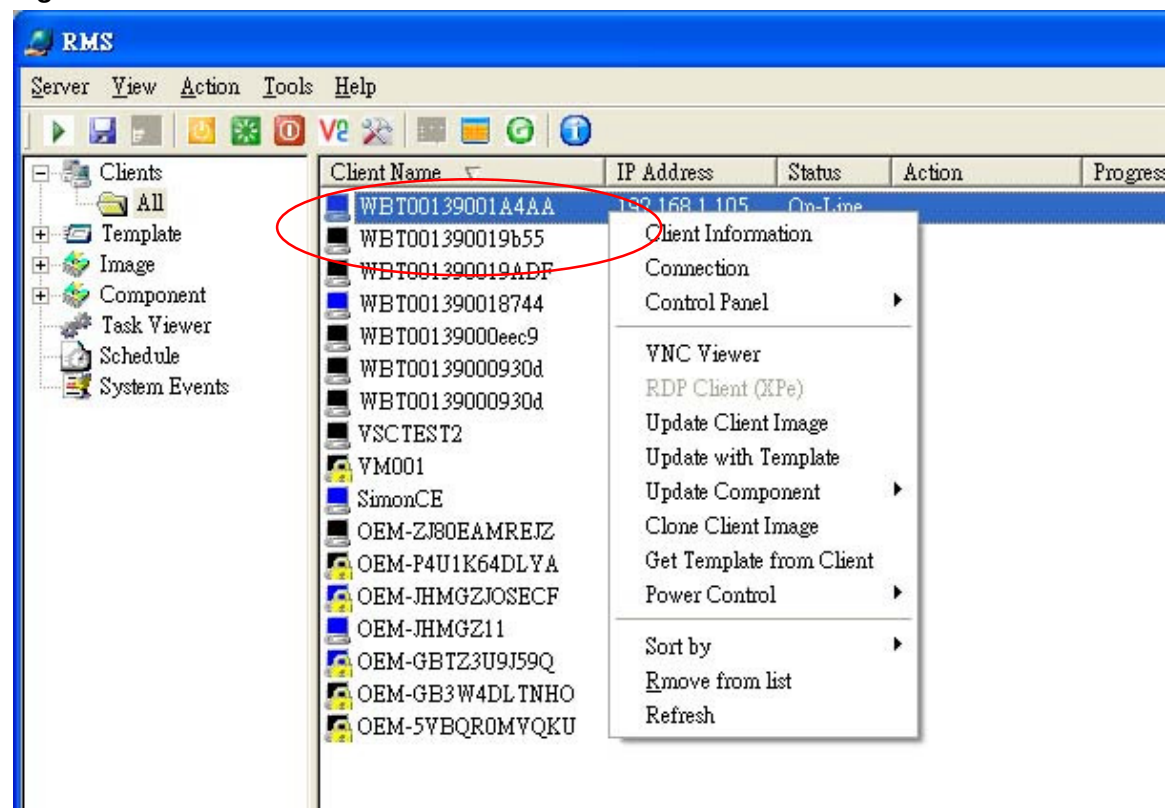


Figure 8.1



- If the authorization is passed, the client will be unlocked. And you can start to control the client.

Figure 8.2



- The setting of authorization is based on client (Windows CE). You can go to Control Panel→ RM Agent Configuration

Figure 8.3



- You can change the settings by click the Authentication Page.

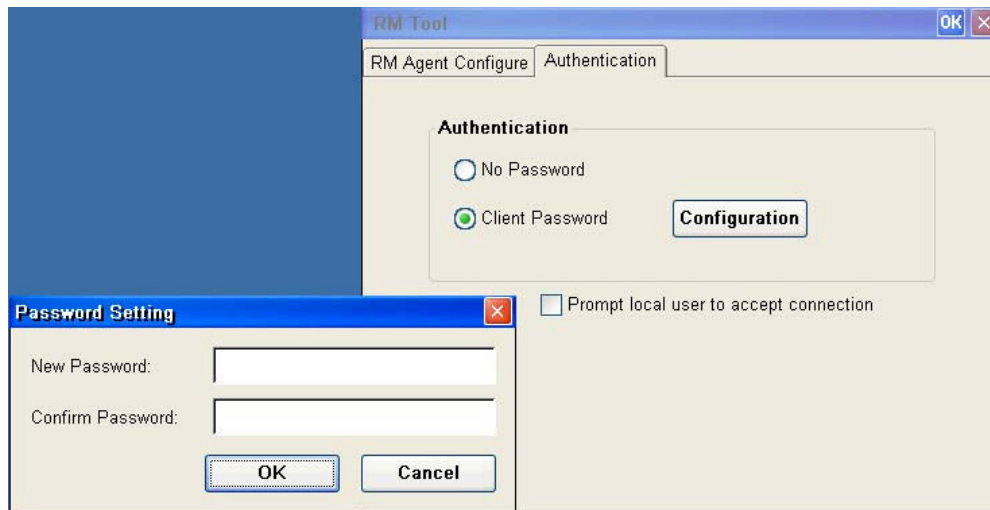
Figure 8.4



Note : We don't set any password with default settings. So the authorization will be passed always.

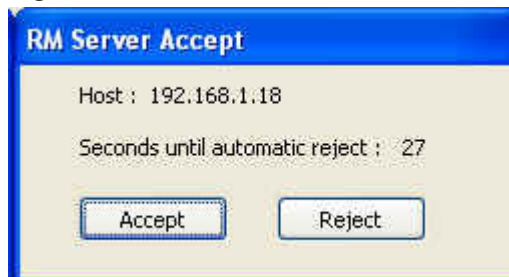
- Client Password

Figure 8.5



- Prompt local user to accept connection
If you click this option, there will pop up a message box on client when the server wants to connect to client.
So the client can decide to grant or deny the server.

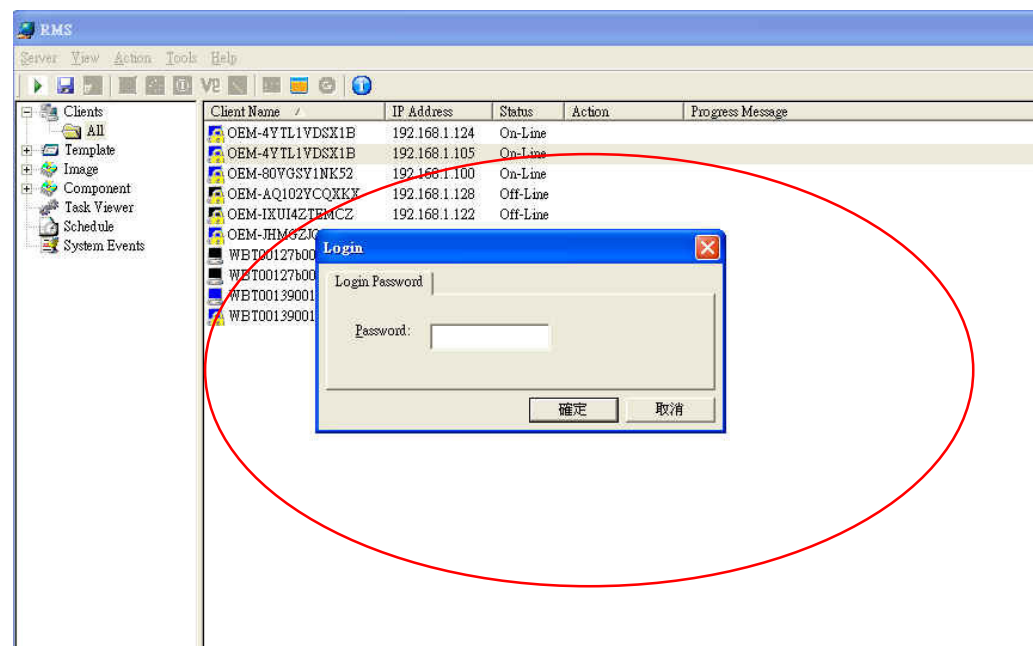
Figure 8.6



Note : There will be reject automatically after 30 seconds.

- When you set the client password for authorization, there will pop up a **Login** dialog for you to enter password.

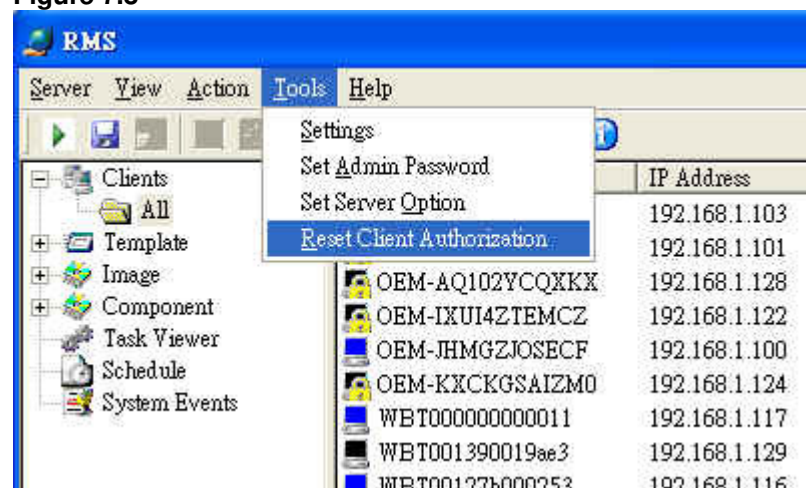
Figure 8.7



8.1.1. Reset Client Authorization

- When the client had been authorized, server will keep the settings and never authorize again until RM server restart. So we add a function to reset client authorization. For example, if you change the client password for authorization and want to re-authorize again, you don't need to restart server. Just select Tools→Reset Client Authorization. You will see the picture as follows.

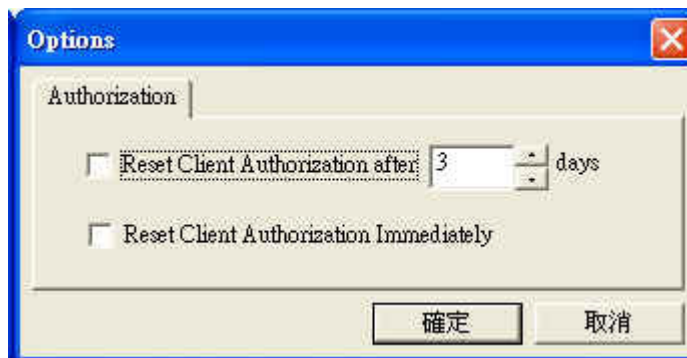
Figure 7.8



- Click it and there will be two options for choosing.
 - Reset Client Authorization after some days**
You can select how many days later do you want to re-authorize again.
 - Reset Client Authorization Immediately**

Re-authorize immediately.

Figure 8.9



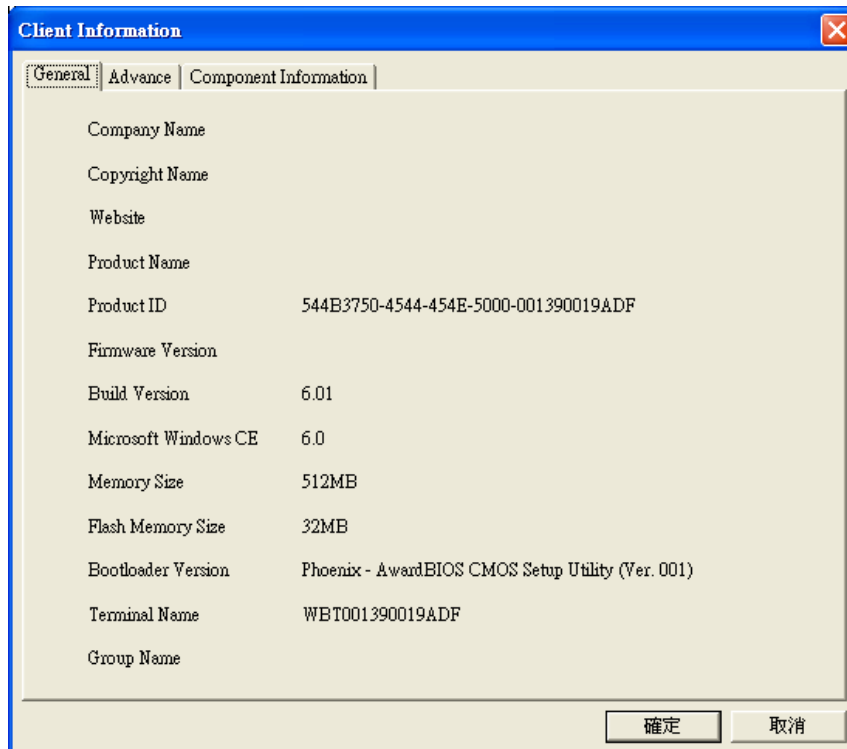
Note : When you decide to reset the client authorization, RM server will start to check the authorization in background process when you want to control the client. If authorized failed, the client will be un-locked again.

8.2. Client Information

8.2.1. General

- This Page describes product information, such as Copyrights, Product Name, Product ID, Software Version etc.

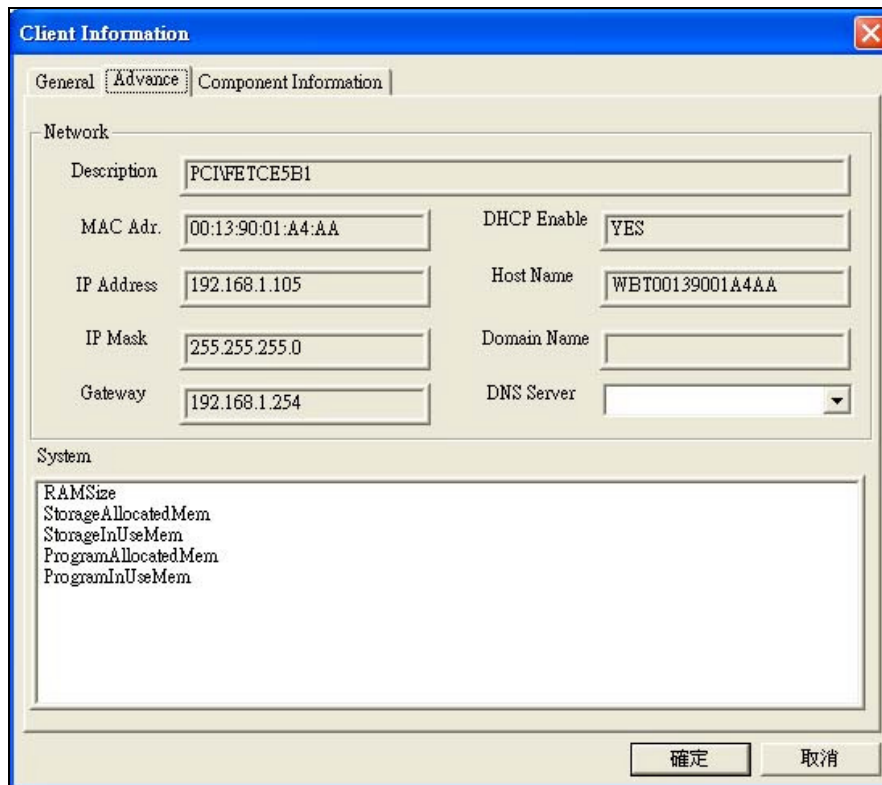
Figure 8.10



8.2.2. Advance

- This Page describes network information, such as IP Address, MAC Address, Gateway, etc.

Figure 8.11



Client Information

General **Advance** Component Information

Network

Description: PC\FETCE5B1

MAC Adr.: 00:13:90:01:A4:AA

DHCP Enable: YES

IP Address: 192.168.1.105

Host Name: WBT00139001A4AA

IP Mask: 255.255.255.0

Domain Name:

Gateway: 192.168.1.254

DNS Server:

System

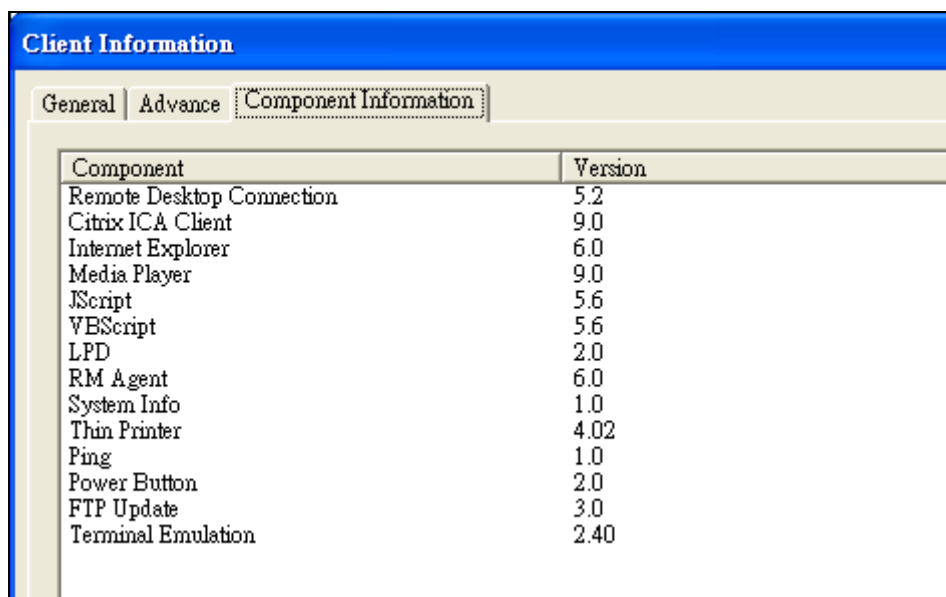
RAMSize
StorageAllocatedMem
StorageInUseMem
ProgramAllocatedMem
ProgramInUseMem

確定 取消

8.2.3. Component Information

- This Page describes component information of client, like ICA, RDP, JAVA, Media Player, IE, etc.

Figure 8.12



Client Information

General Advance **Component Information**

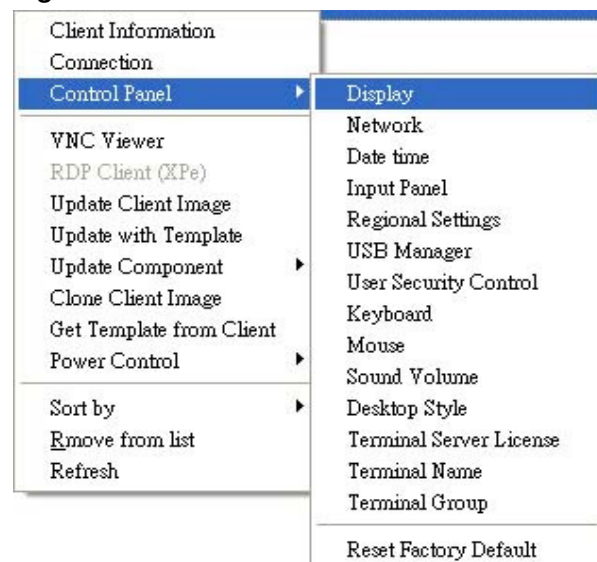
Component	Version
Remote Desktop Connection	5.2
Citrix ICA Client	9.0
Internet Explorer	6.0
Media Player	9.0
JScript	5.6
VBScript	5.6
LPD	2.0
RM Agent	6.0
System Info	1.0
Thin Printer	4.02
Ping	1.0
Power Button	2.0
FTP Update	3.0
Terminal Emulation	2.40

Note : You also can see these information by clicking Control Panel→System Info

8.3. Control Panel

- The Control Panel lets you configure your client's function. Right click the client and you will see the all function list of control panel for CE.

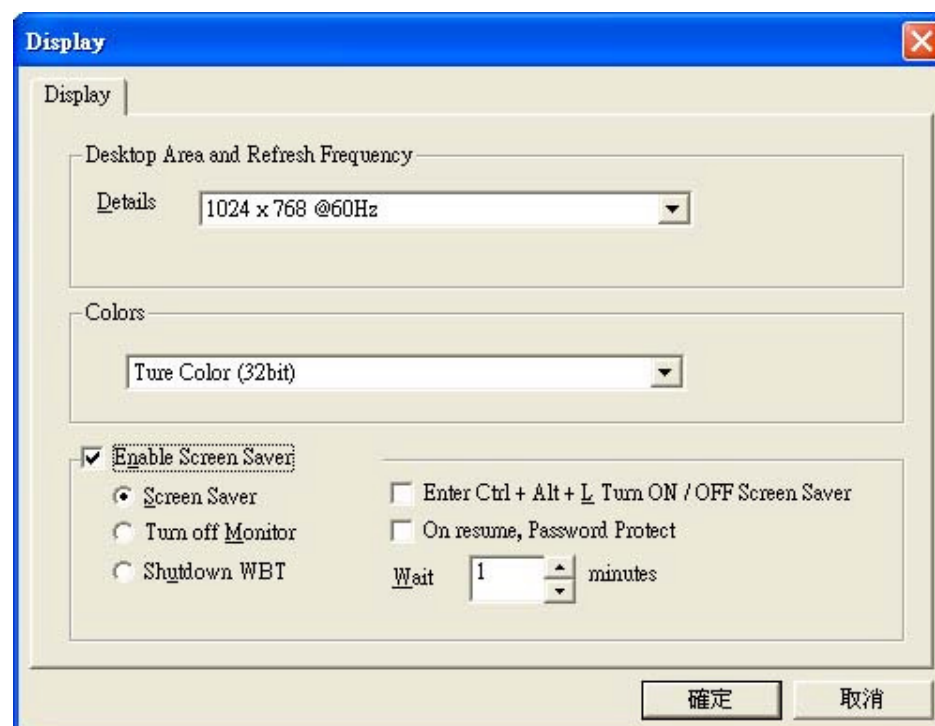
Figure 8.13



8.3.1 Display

- You can use this function to remote change client's Display settings.

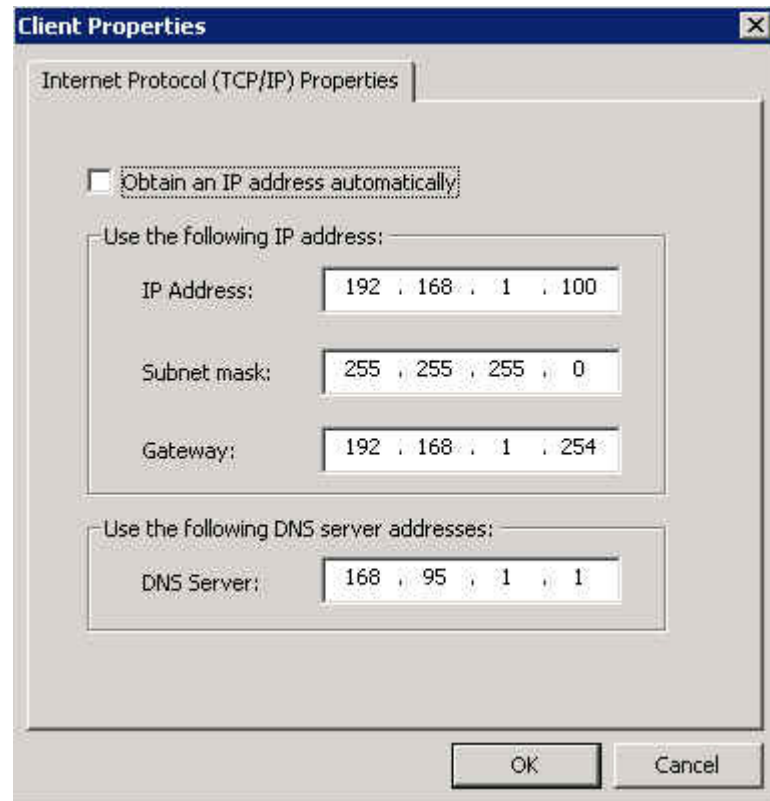
Figure 8.14



8.3.2. Network

- You can use this function to remote change client's IP address.

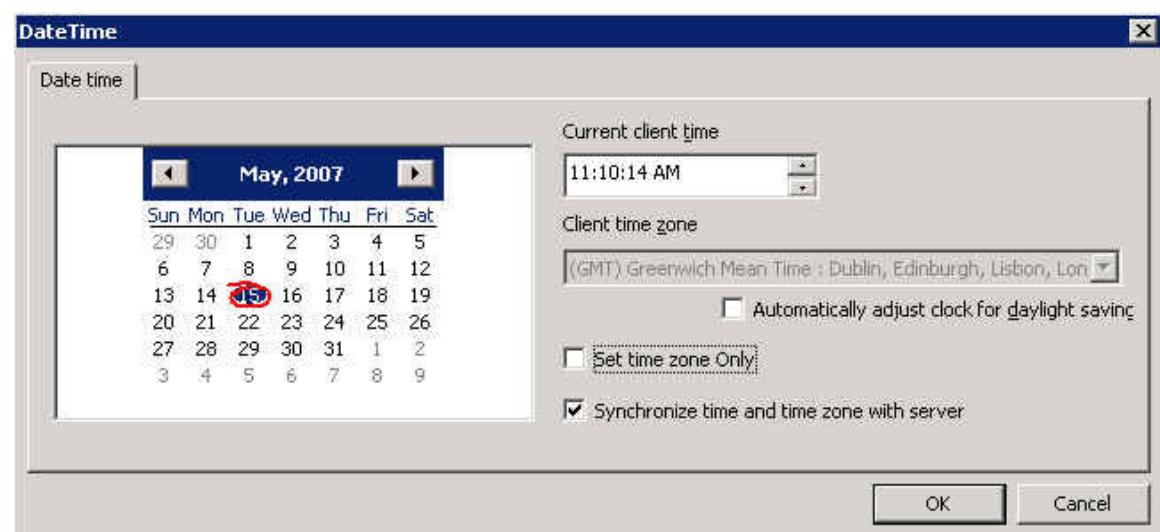
Figure 8.15



8.3.3. Date Time

- You can set up date time for this client.

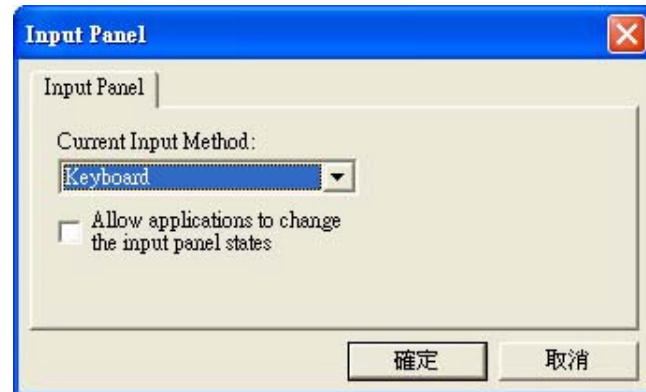
Figure 8.16



8.3.4. Input Panel

- You can set up the current input method.

Figure 8.17



8.3.5. Regional Settings

- You can set up the default input language.

Figure 8.18



8.3.6. USB Manager

- You can let USB storage device ON or OFF and Read-only or Write-able.

Figure 8.19



8.3.7 User Security Control

- By the User Security Control, an Administrator can customize a User-Mode operation environment with few time.

Figure 8.20



Figure 8.21



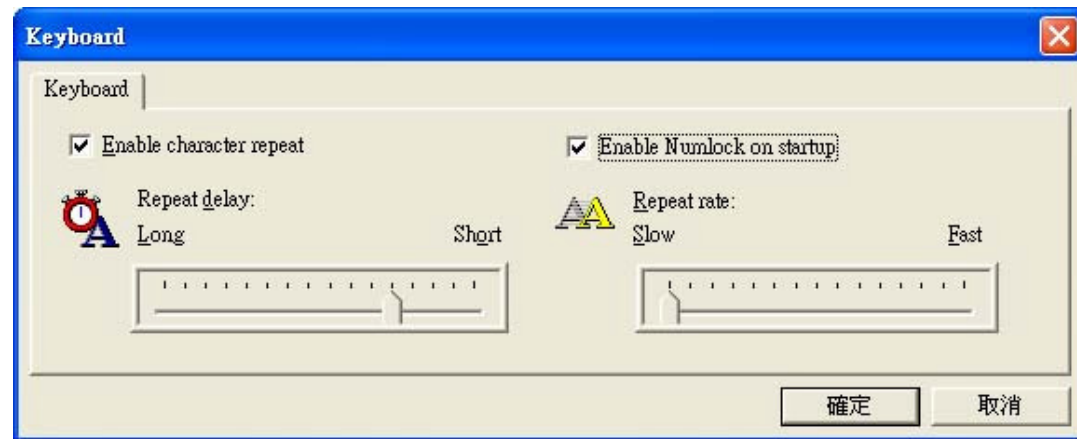
Figure 8.22



8.3.8 Keyboard

- You can set the keyboard repeat delay and rate.

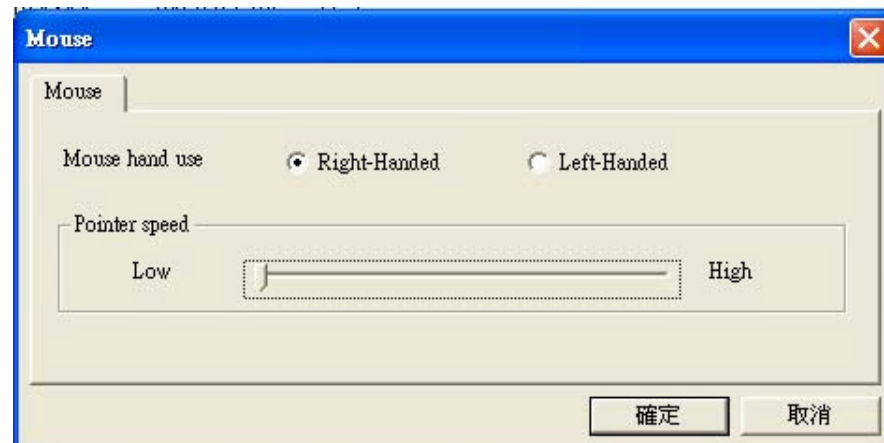
Figure 8.23



8.3.9 Mouse

- You can set the mouse hand use and pointer speed.

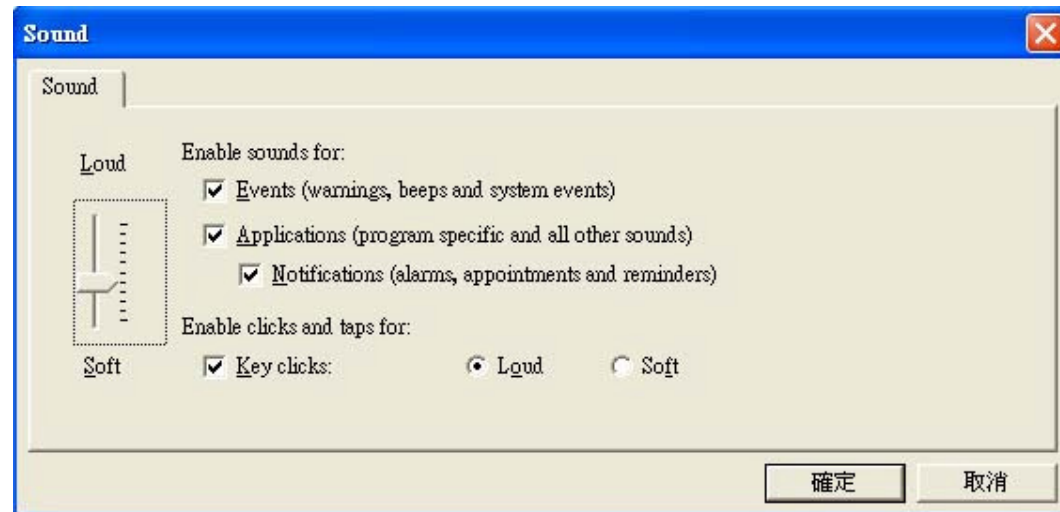
Figure 8.24



8.3.10 Sound Volume

- You can set the sound volume.

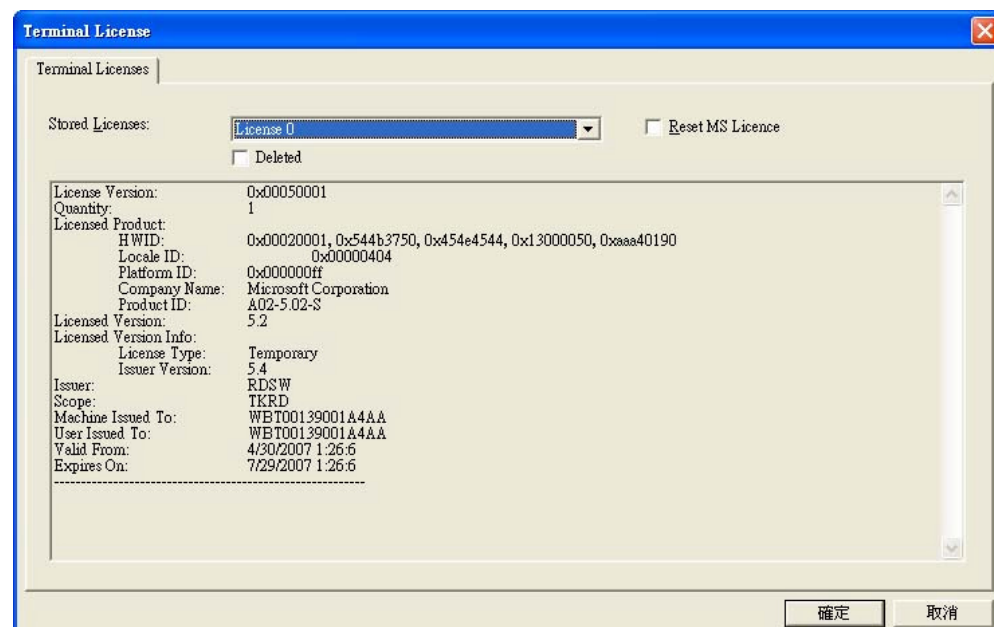
Figure 8.25



8.3.11 Terminal Server License

- You can view or delete the Terminal Server License.

Figure 8.26



8.3.12 Terminal Name

- You can view or edit the Terminal Name.

Figure 8.27



8.3.13 Terminal Group

- You can view or edit the Terminal Group.

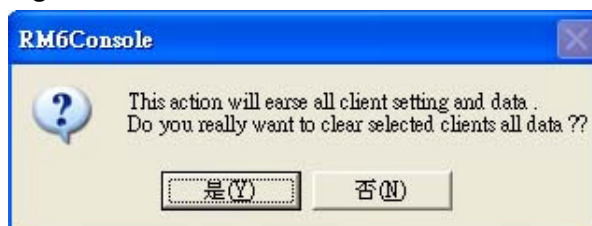
Figure 8.28



8.3.14 Reset Factory Default

- You can reset the client CE with the factory default settings.

Figure 8.29



8.4. Image Update/Backup

- You can use RMS to update or backup CE client. Don't need any FTP server.
- Right click the client and select "Back-Up Client Image".

Figure 8.30

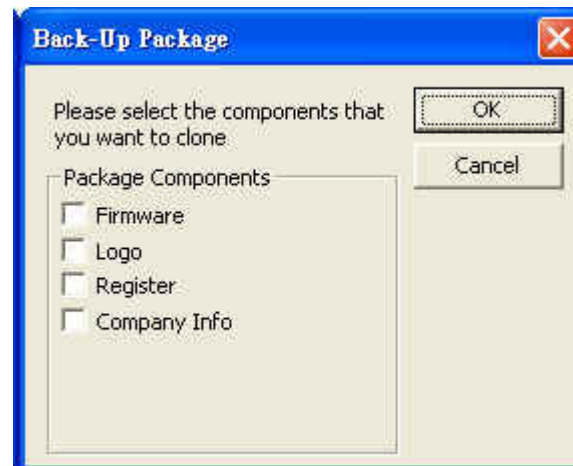
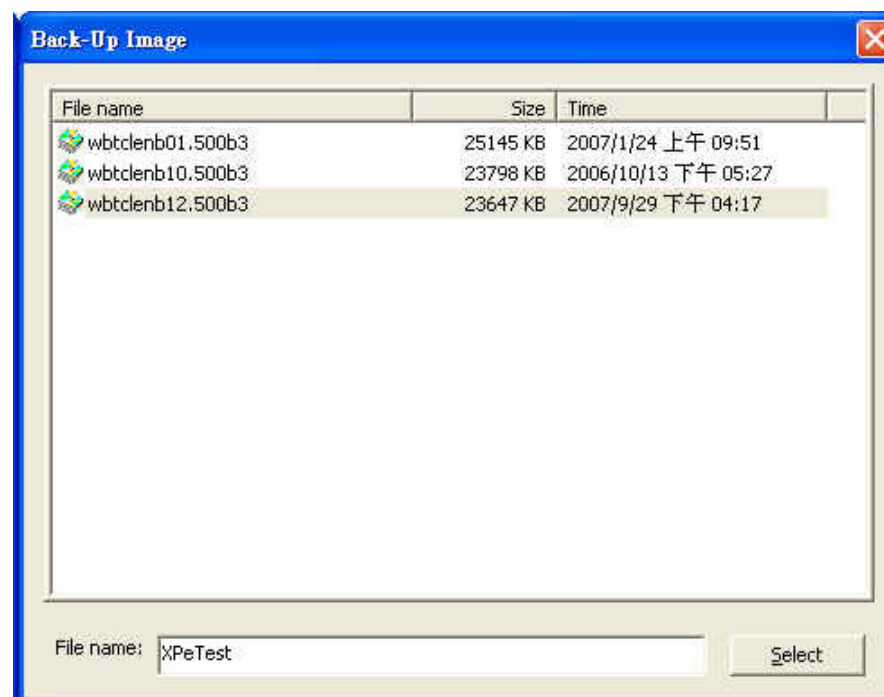
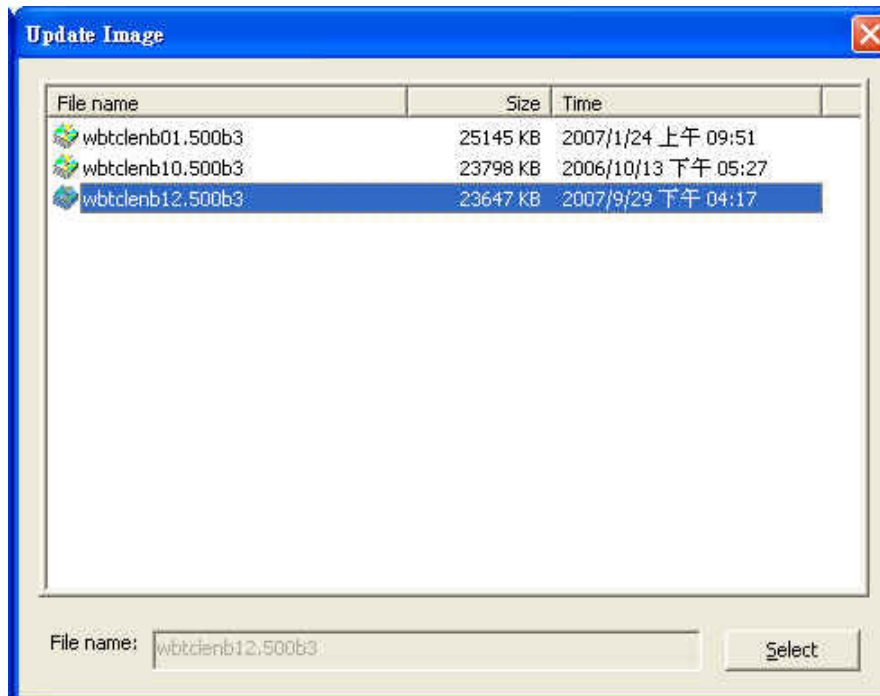


Figure 8.31



- Right click the client and select “Update Client Image”.
Select which image file you want to update.

Figure 8.32



Note : The whole image files are stored in **C:\Program Files\RM6\ClientImage\CE**.

8.5. Get/Apply Template

- According to many clients have their special settings. We make the template for you to save those special settings. When next time you want to use the settings, you can load the template files.

Of course, if you have many special configuration type and don't want to configure these clients one by one (maybe here are a huge amount of clients). You can also use the template function to make your work easier. You can setup a whole group of clients with one template file.

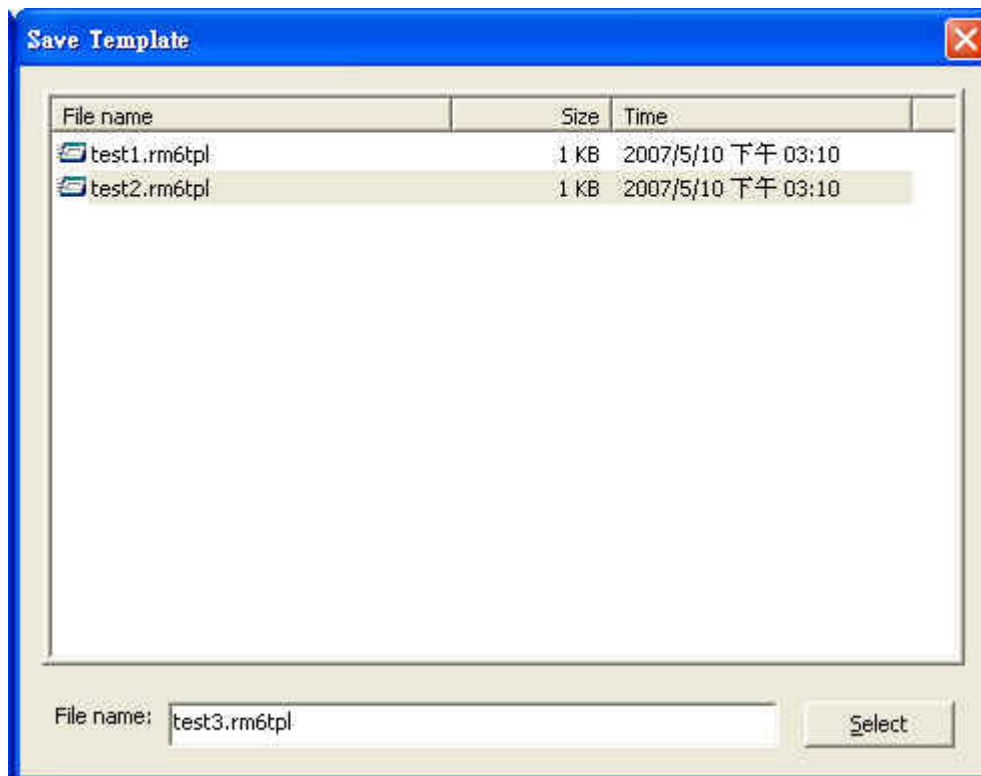
The template function for CE include the following items

1. **Connection**
2. **Terminal Group**
3. **Display**
4. **Keyboard**
5. **Mouse**
6. **Sound**
7. **Regional Settings**
8. **User Security Control**
9. **USB Manager**
10. **Input Panel**

So you can get these setting and apply to other clients.

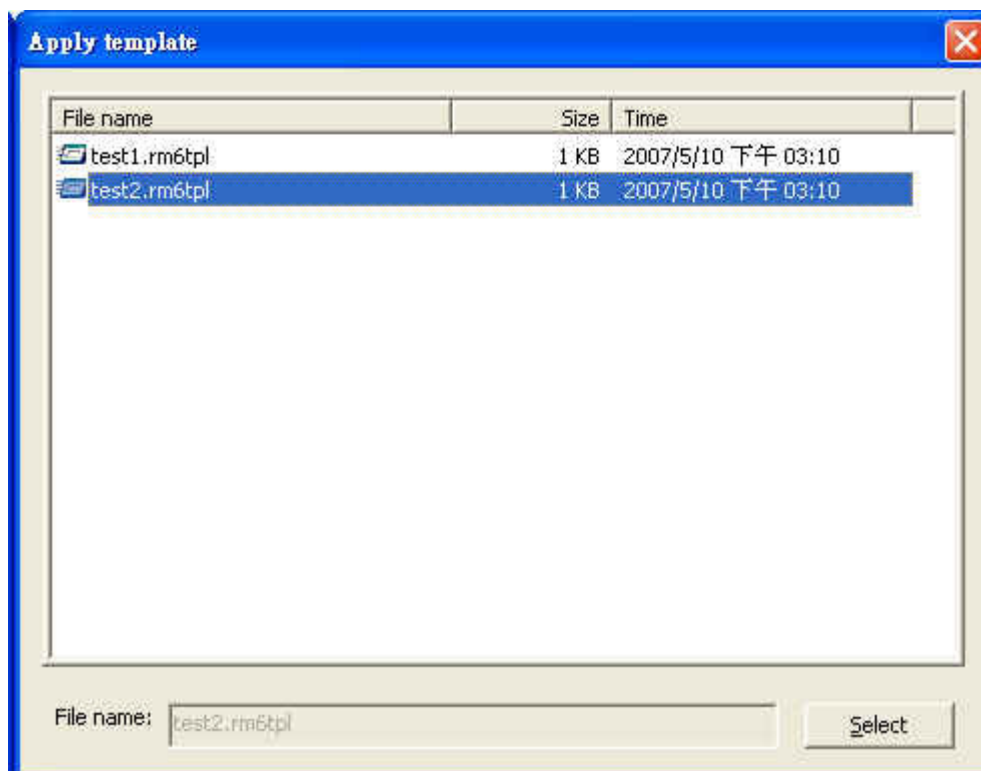
- Right click the client and select “Get Template from Client”.

Figure 8.33



- Right click the client and select “Apply Template to Client”.

Figure 8.34

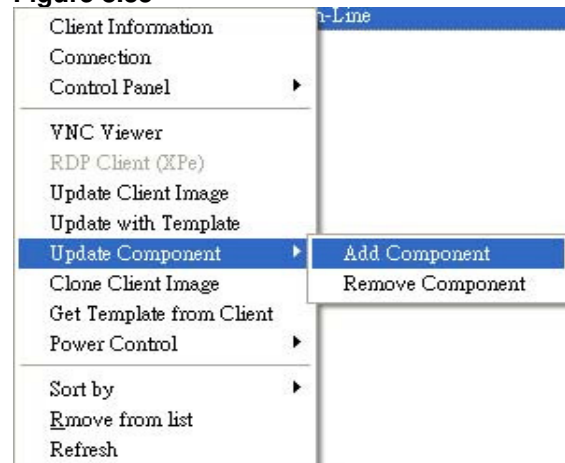


Note : All template files are stored in **C:\Program Files\RM6\Template\CE**

8.6. Component Update

- We support the component update for Windows CE. The Component Update provide the ability to add and remove applications packed as a CAB file.

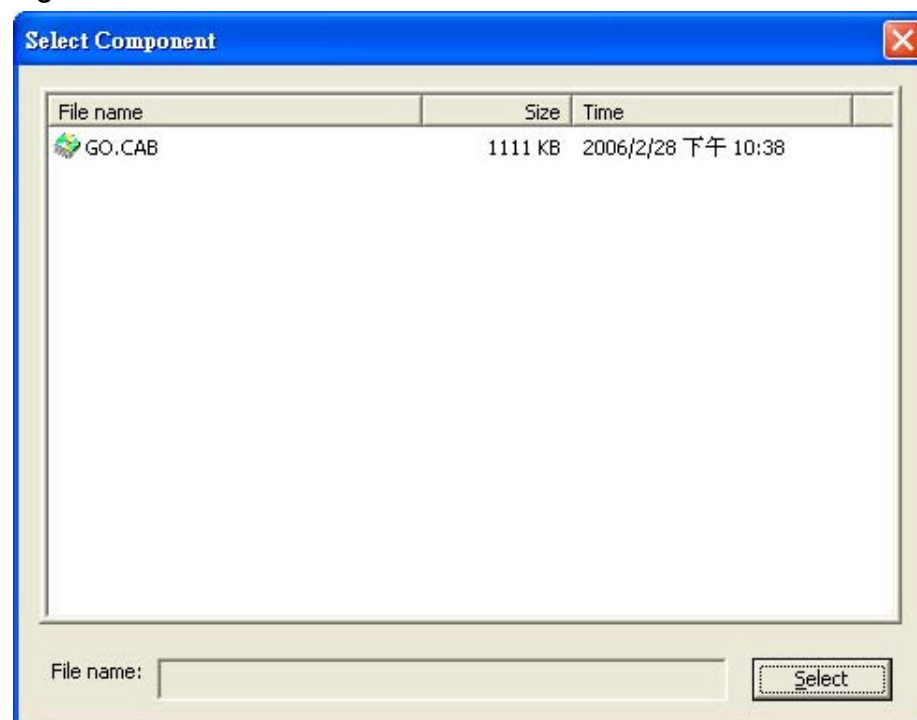
Figure 8.35



8.6.1 Add Component

- Basically, we will provide the necessary component patch files for customer on our web site. You can download it and save in **C:\Program Files\RM6\ClientComponent\CE**. Right the client and select “**Add Component**” and you will see the all component files list.

Figure 8.36



8.6.2 Remove Component

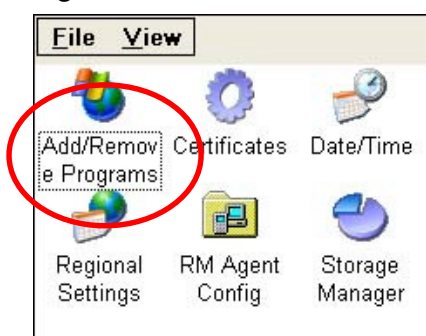
- Right the client and select “**Remove Component**” and you will see all the applications installed in the client CE.

Figure 8.37



- One can also find the Add Component/ Remove Component in the Control Panel in the client CE.

Figure 8.38



8.7. Shadowing Remote Control

- A Shadowing Remote Control Tool is a network application that allows users to manage and control PCs or networks from a remote location.

In our Windows CE, we have two ways to remote control the client.

8.7.1 VNC Viewer

Right click the client and select “VNC Viewer”. There will pop-up a “VNC Authentication” dialog. You have to enter the password. (Default password is “**password**”).

So you can login client and remote control it.

Figure 8.39

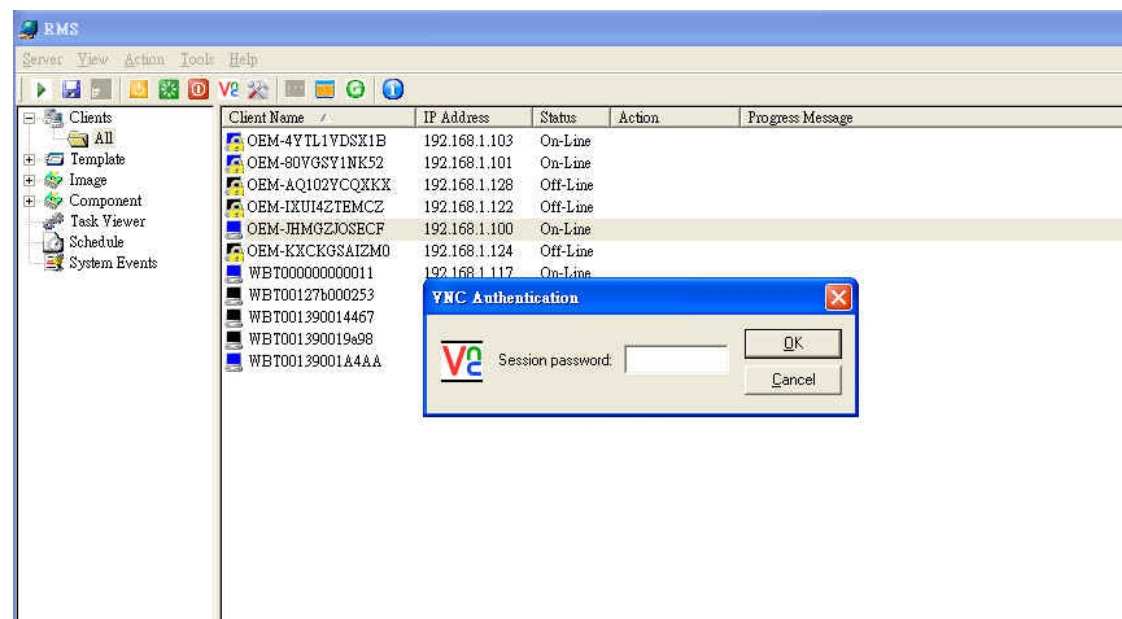
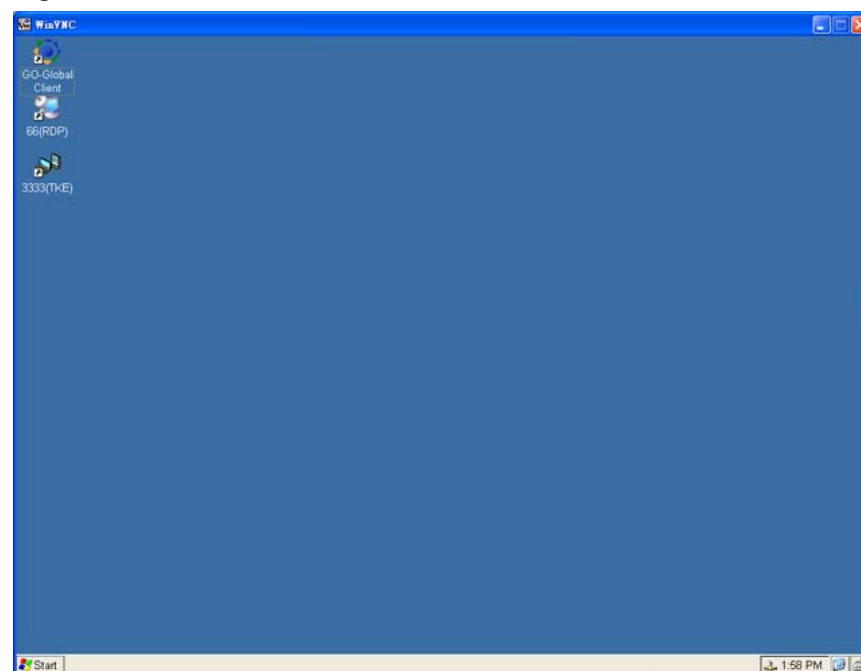
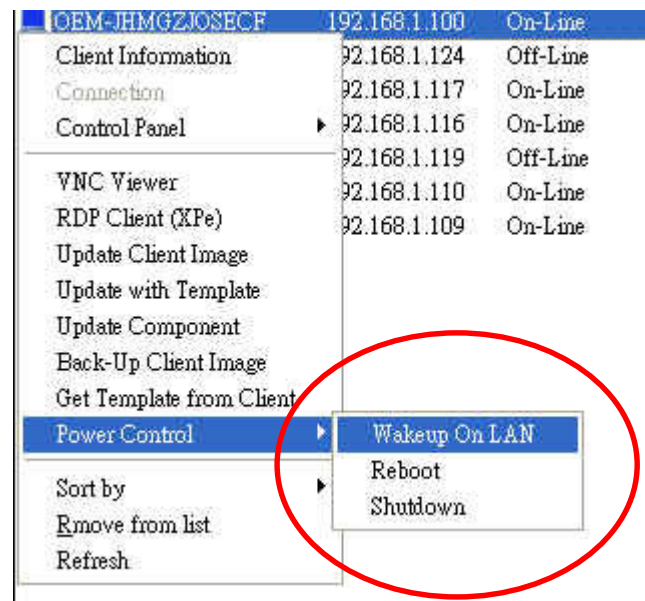


Figure 8.40



8.8. Power Control

Figure 8.41



8.8.1. Wakeup on LAN

- Select one or more destination(s), and then right click, select “Power Control” and select “Wakeup On LAN” to power on the appliance(s).
You can wake up a client with “Wake on LAN” enabled on LAN.
If you want to wake up a client on WAN (on another subnet), you have to set the router to pass the wake up packet by enable UDP broadcasting.
For more details regarding router setting, please check the router’s user manual.



The monitor color on the client list is in BLUE when it's on.

8.8.2. Reboot

- Select one or more destination(s), and then right click, select “Power Control” and select “Reboot” to reboot the appliance(s).

8.8.3. Shutdown

- Select one or more destination(s), and then right click, select “Power Control” and select “Shutdown” to power off the appliance(s).
The monitor color on the client list will turn from blue to black after the appliance (s) shutdown.

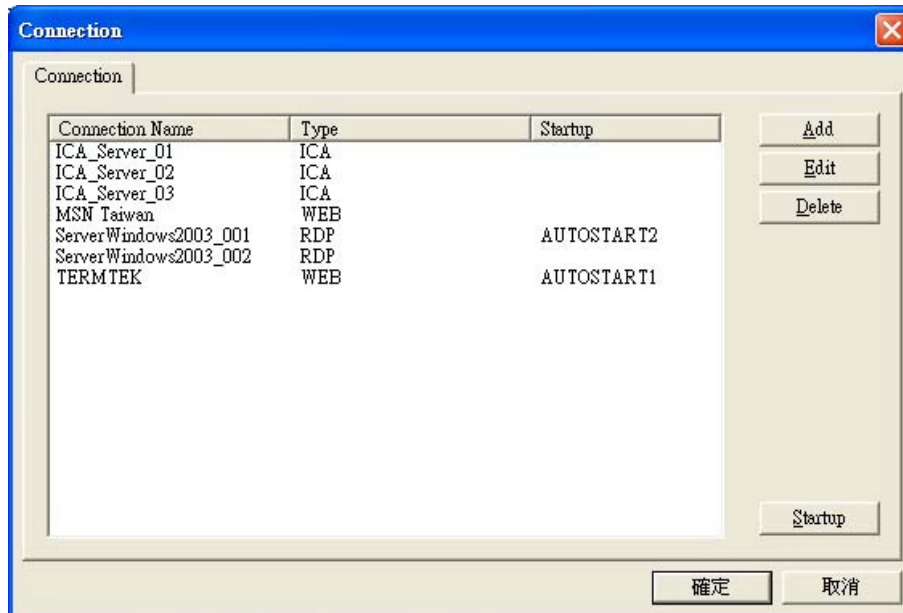


The monitor color on the client list is in BLACK when it's off.

8.9. Connection

- This function provides the ability to manage connections on the Client Windows CE. One can efficiently add, edit, and delete connections.

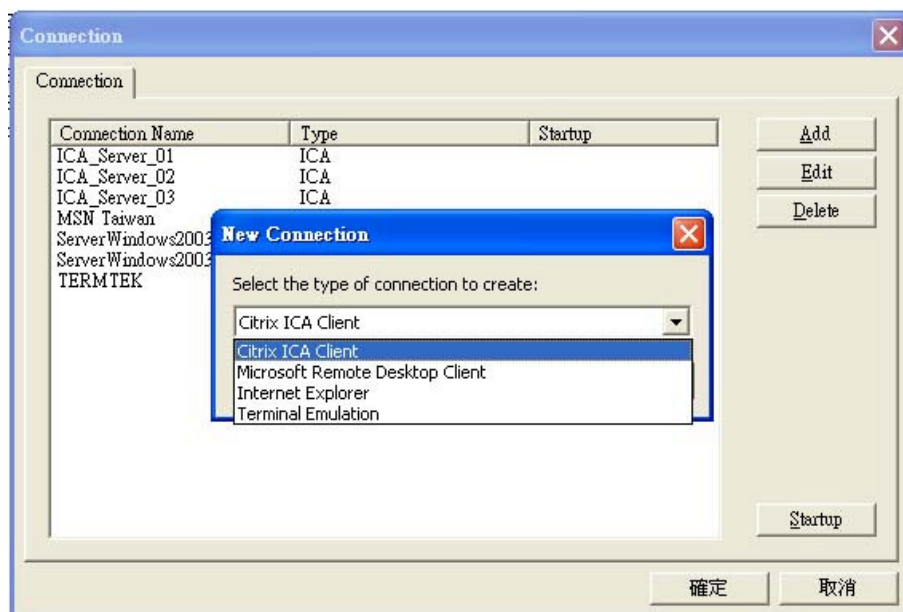
Figure 8.42



8.9.1. Add

- One can add all the types of connections provided in the Client side.

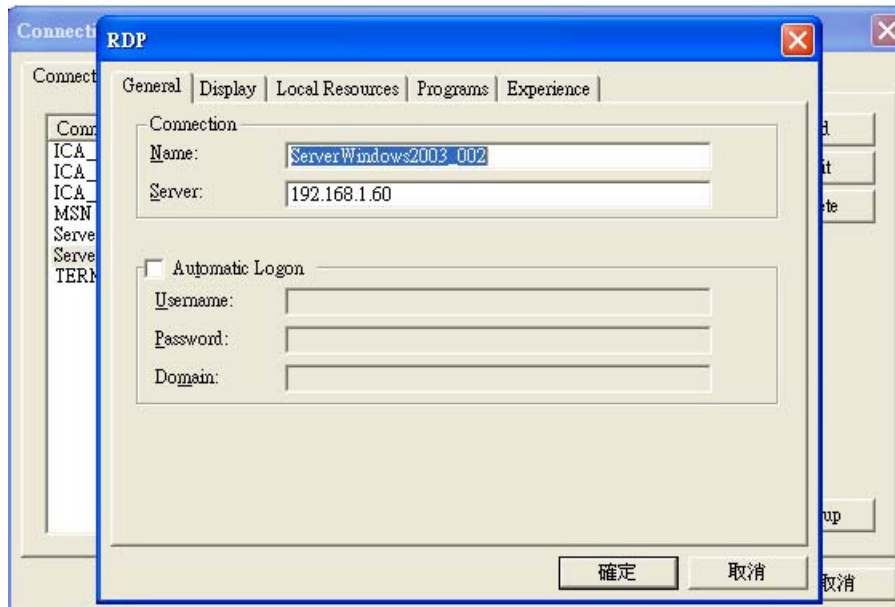
Figure 8.43



8.9.2. Edit

- One can edit the connections existing in the Client Side. Figure 8.44 shows the edit dialog for the RDP type of connections.

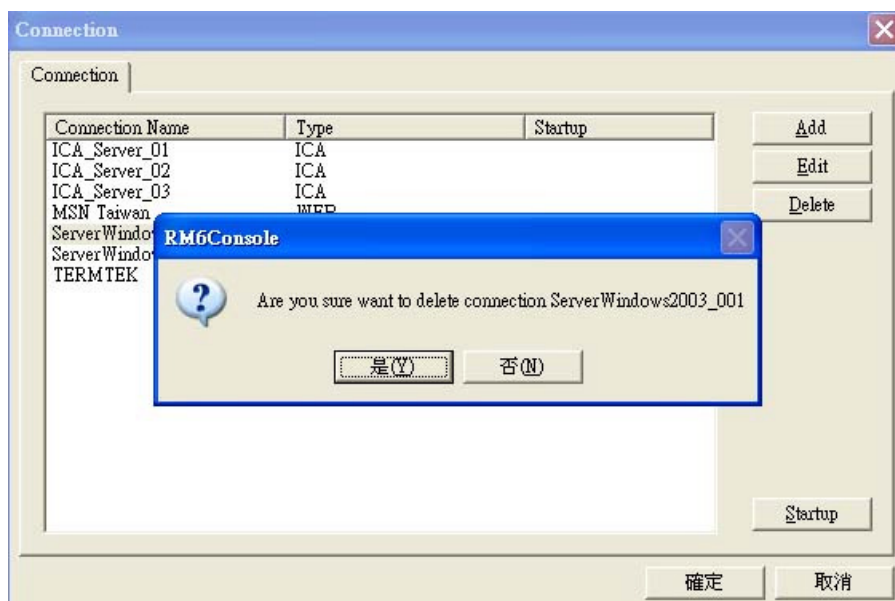
Figure 8.44



8.9.3. Delete

- One can delete the connections existing in the Client Side.

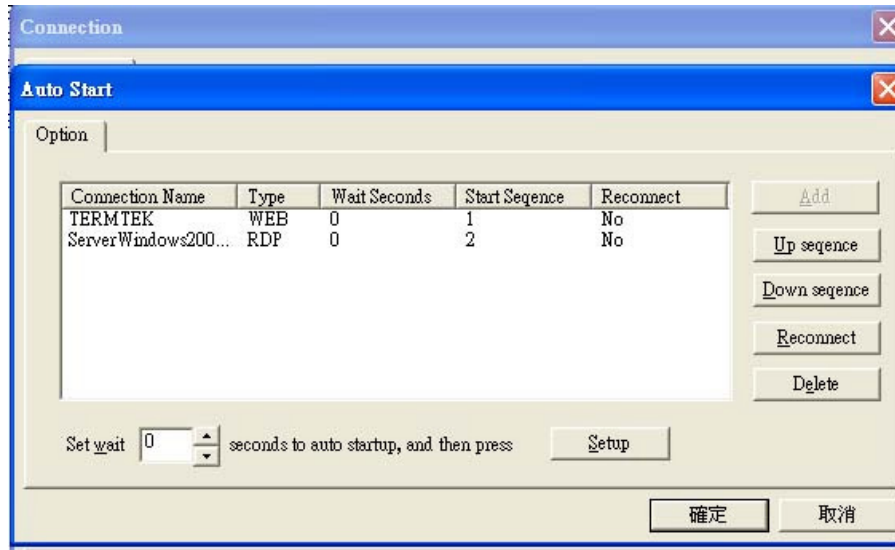
Figure 8.45



8.9.4. Startup

- One can add any connections existing in the Client side to Auto-Startup list. The connections added to Auto-Startup list will automatically start when the client system boots up.

Figure 8.46



Chapter 9.

Using Remote Manage System to Control Linux Embedding

9.1. Authorization

- The process of granting or denying access to a client. When RM server starts first time, each client is locked or not authorized. See the figure 8.1.
The option with authorization will be displayed when you right click the client.
So you have to authorize first if you want to remote control client.

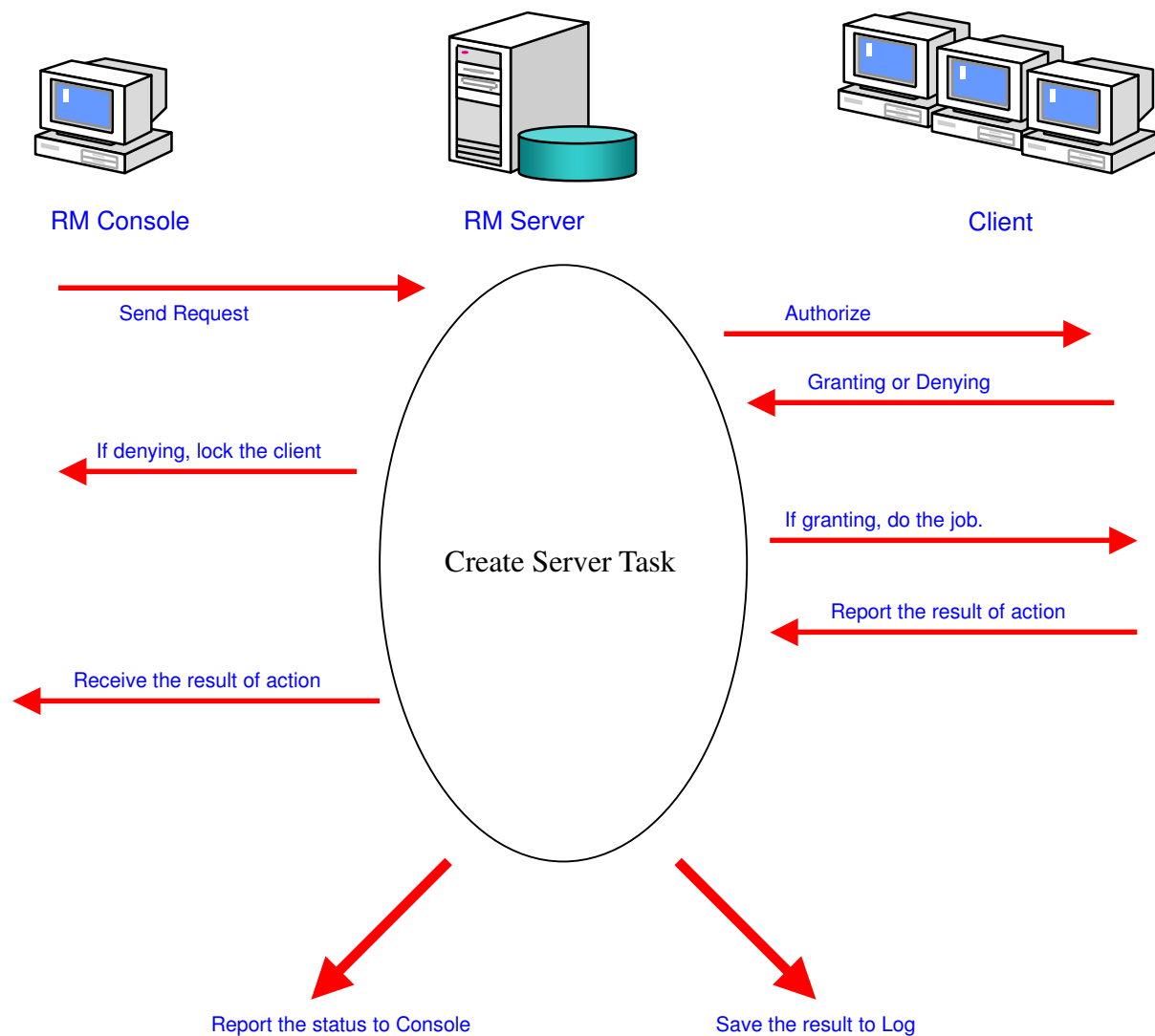
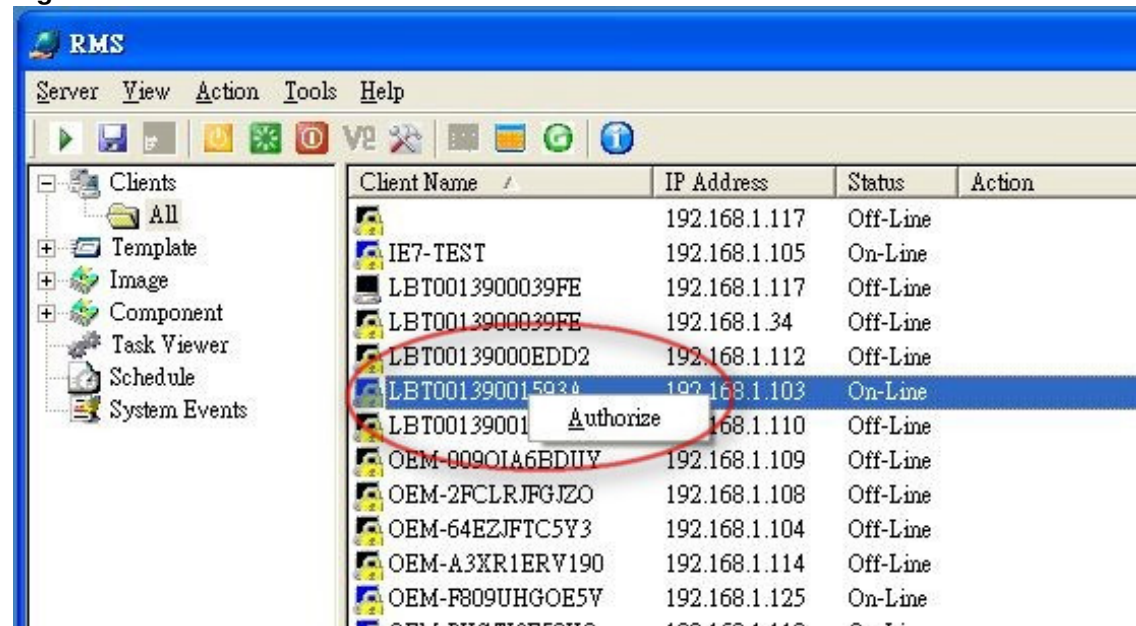
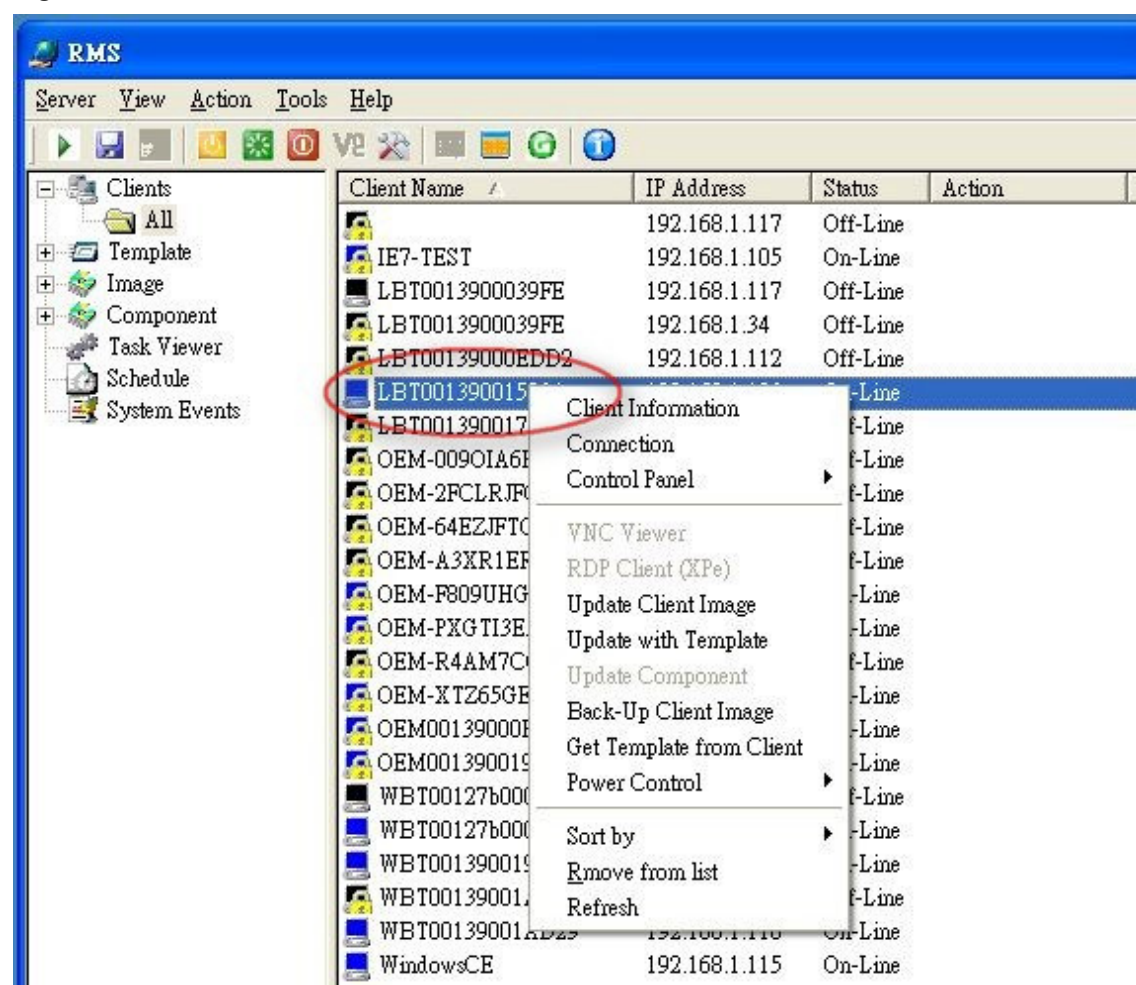


Figure 9.1



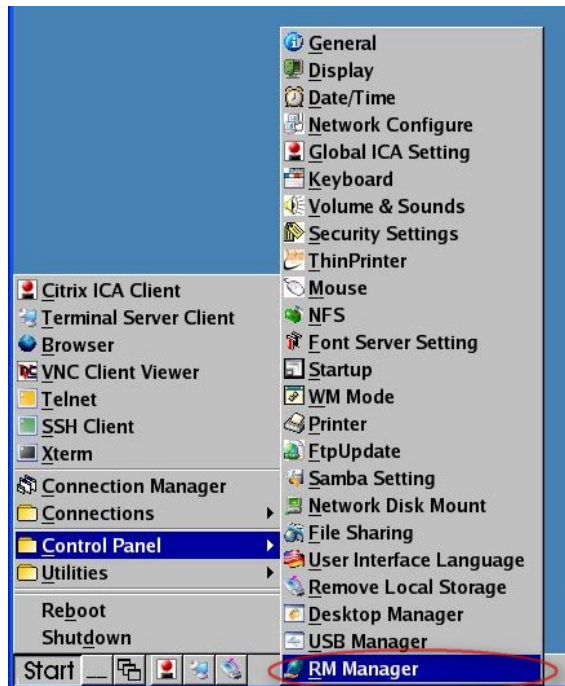
- If the authorization is passed, the client will be unlocked. And you can start to control the client.

Figure 9.2



- The setting of authorization **is based on client (Linux)**.
You can go to Control Panel→ RM Manager

Figure 9.3



- You can change the settings by click the Authentication Page.

Figure 9.4



Note : We don't set any password with default settings. So the authorization will be passed always.

- Client Password

Figure 9.5



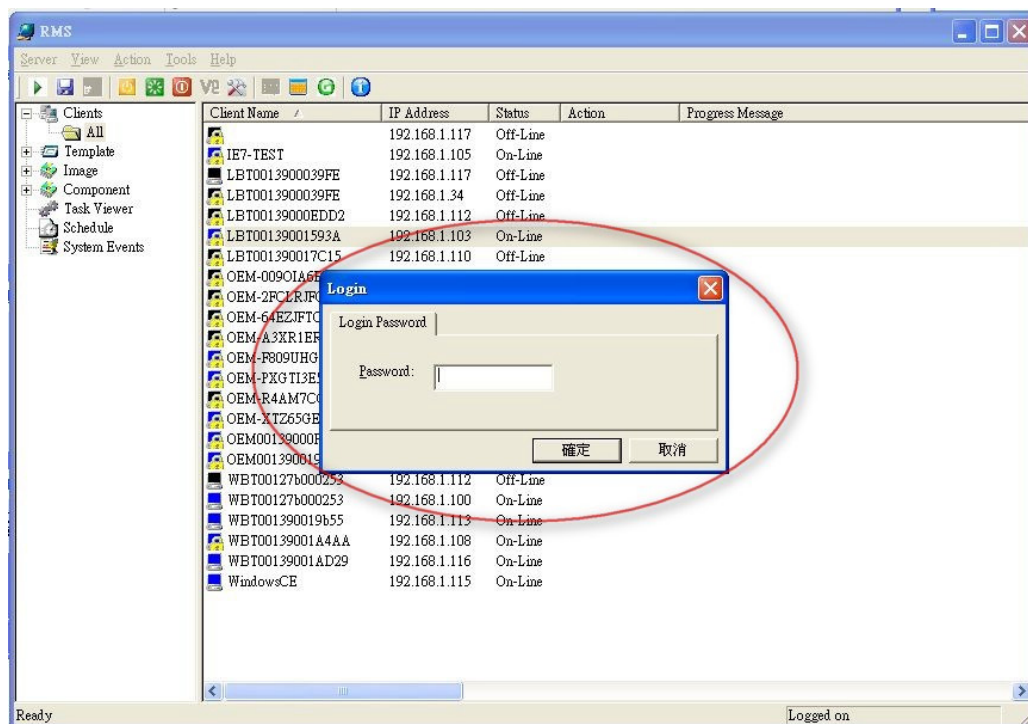
- Prompt local user to accept connection
 If you click this option, there will pop up a message box on client when the server wants to connect to client.
So the client can decide to grant or deny the server.

Figure 9.6



- When you set the client password for authorization, there will pop up a **Login** dialog for you to enter password.

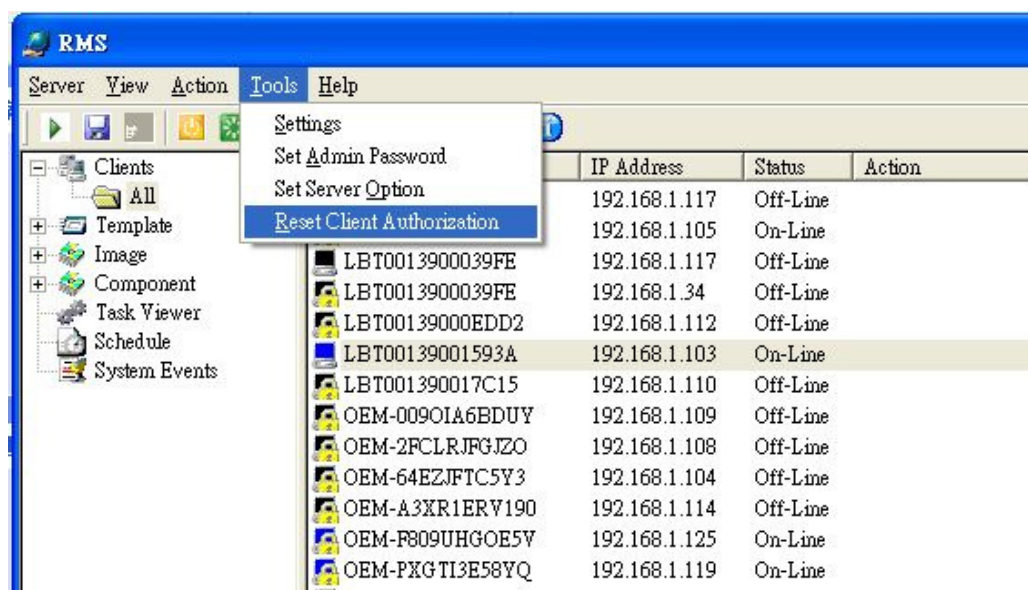
Figure 9.7



9.1.1. Reset Client Authorization

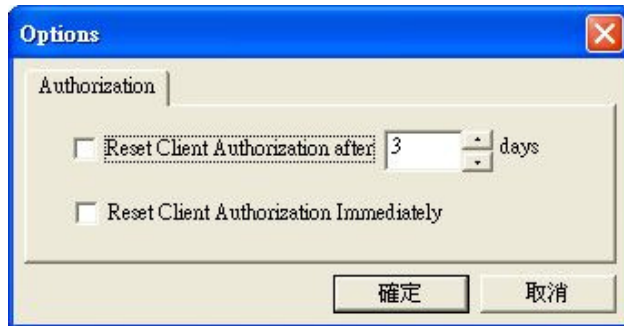
- When the client had been authorized, server will keep the settings and never authorize again until RM server restart. So we add a function to reset client authorization. For example, if you change the client password for authorization and want to re-authorize again, you don't need to restart server. Just select Tools→Reset Client Authorization. You will see the picture as follows.

Figure 9.8



- Click it and there will be two options for choosing.
 - **Reset Client Authorization after some days**
You can select how many days later do you want to re-authorize again.
 - **Reset Client Authorization Immediately**
Re-authorize immediately.

Figure 9.9



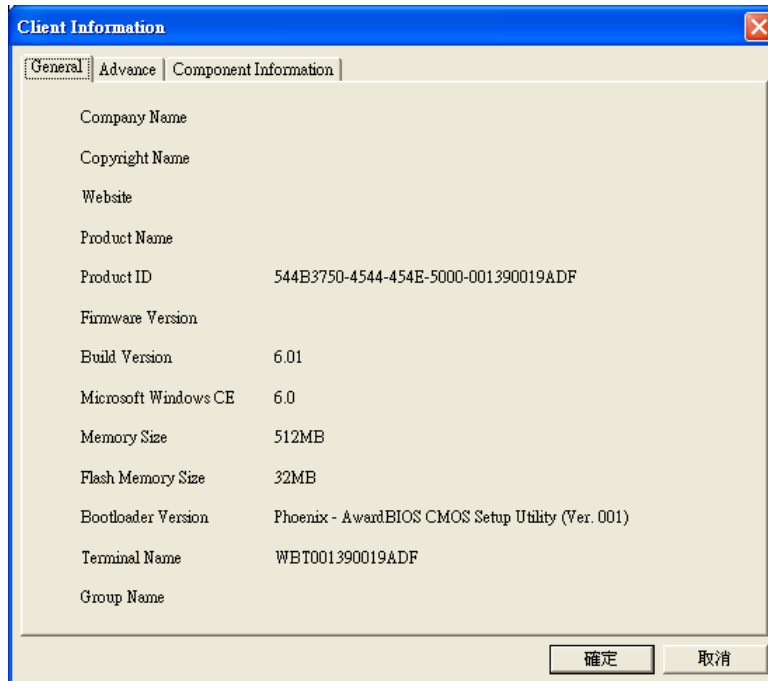
Note : When you decide to reset the client authorization, RM server will start to check the authorization in background process when you want to control the client. If authorized failed, the client will be un-locked again.

9.2. Client Information

9.2.1. General

- This Page describes product information, such as Copyrights, Product Name, Product ID, Software Version etc.

Figure 9.10



The screenshot shows a window titled 'Client Information' with three tabs: 'General', 'Advance', and 'Component Information'. The 'General' tab is selected. It contains a list of fields with their corresponding values:

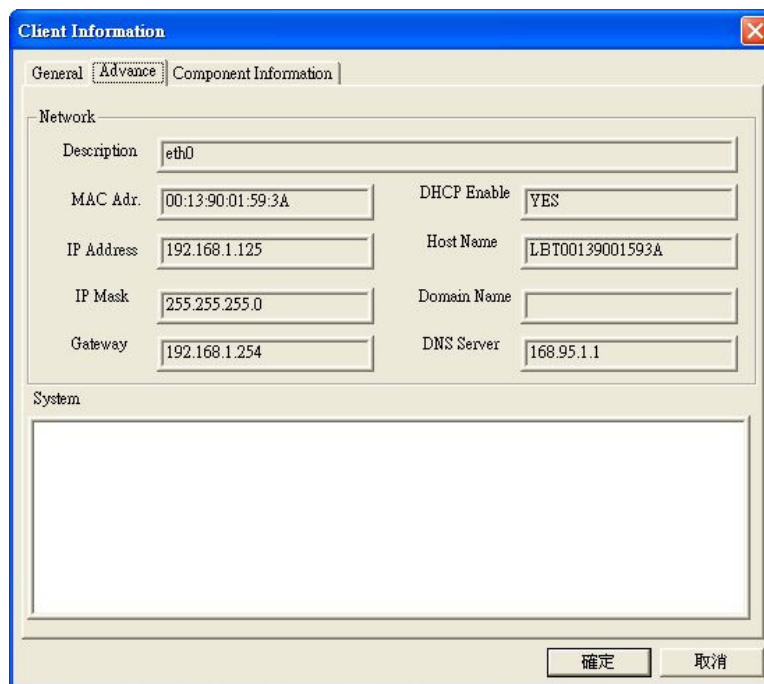
Field	Value
Company Name	
Copyright Name	
Website	
Product Name	
Product ID	544B3750-4544-454E-5000-001390019ADF
Firmware Version	
Build Version	6.01
Microsoft Windows CE	6.0
Memory Size	512MB
Flash Memory Size	32MB
Bootloader Version	Phoenix - AwardBIOS CMOS Setup Utility (Ver. 001)
Terminal Name	WBT001390019ADF
Group Name	

At the bottom right of the dialog box are two buttons: '確定' (OK) and '取消' (Cancel).

9.2.2. Advance

This Page describes network information, such as IP Address, MAC Address, Gateway, etc.

Figure 9.11



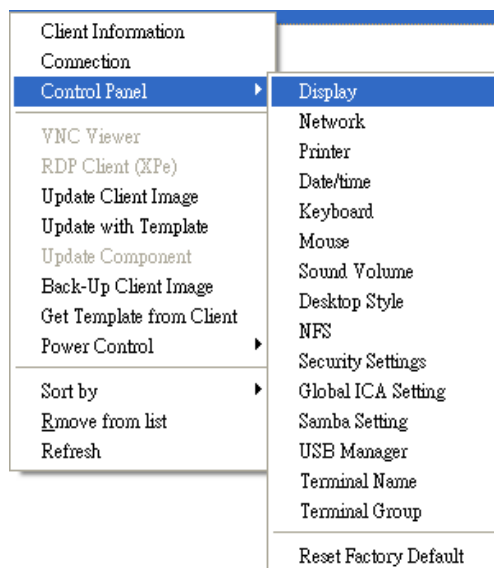
The image shows a 'Client Information' dialog box with three tabs: 'General', 'Advance', and 'Component Information'. The 'Advance' tab is selected. It contains two sections: 'Network' and 'System'. The 'Network' section has fields for Description (eth0), MAC Adr. (00:13:90:01:59:3A), DHCP Enable (YES), IP Address (192.168.1.125), Host Name (LBT00139001593A), IP Mask (255.255.255.0), Domain Name, Gateway (192.168.1.254), and DNS Server (168.95.1.1). The 'System' section is empty. At the bottom are '確定' (OK) and '取消' (Cancel) buttons.

Note : You also can see these information by clicking Control Panel→System Info

9.3. Control Panel

- The Control Panel lets you configure your client's function. Right click the client and you will see the all function list of control panel for Linux Embedding

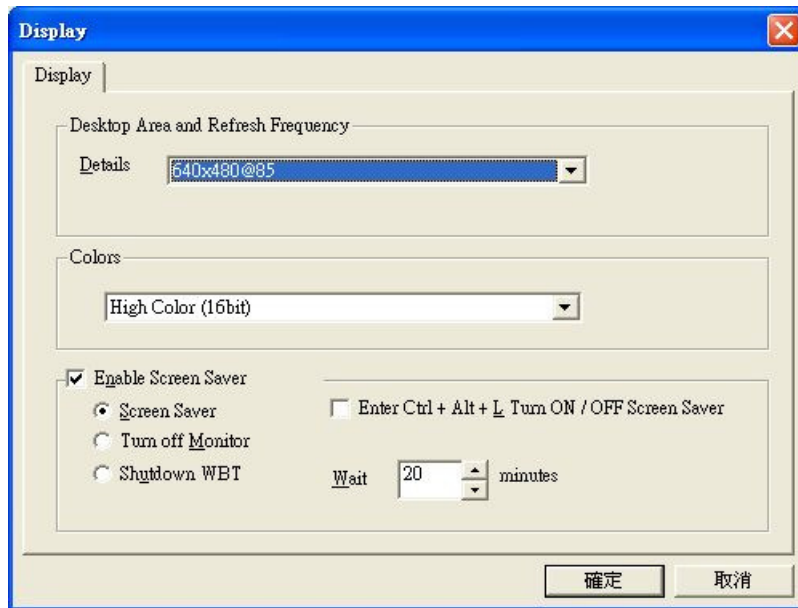
Figure 9.12



9.3.1 Display

- You can use this function to change settings of the client's display which are Desktop Area, Refresh Frequency, Colors and Screen Saver

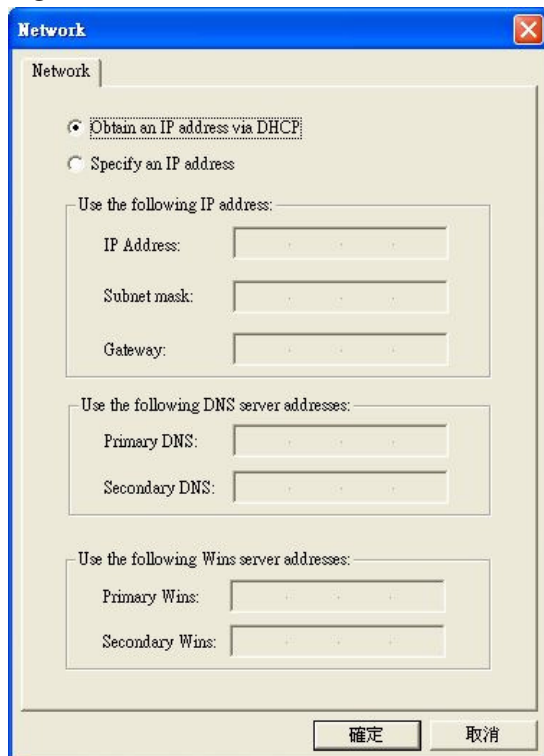
Figure 9.13



9.3.2. Network

- You can use this function to change client's IP address and obtain it via DHCP also you can specify by yourself.

Figure 9.14



9.3.3. Printer

- You can use this function to change settings of client's printers. Click the Add button the figure 9.14 appears and it can add printer. Click the Edit button the figure 9.14 appears and it can edit existed printer item. Click the Delete button can delete existed printer item.

Figure 9.15

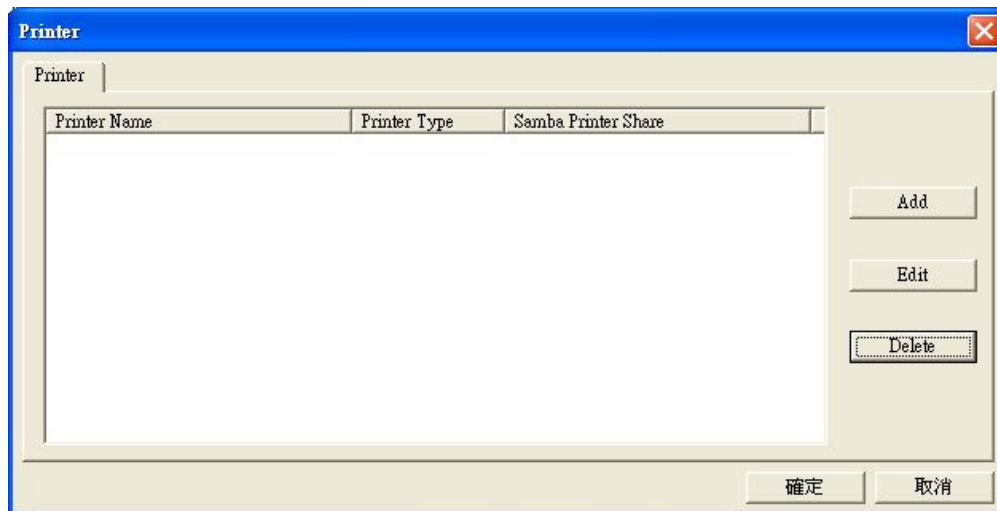
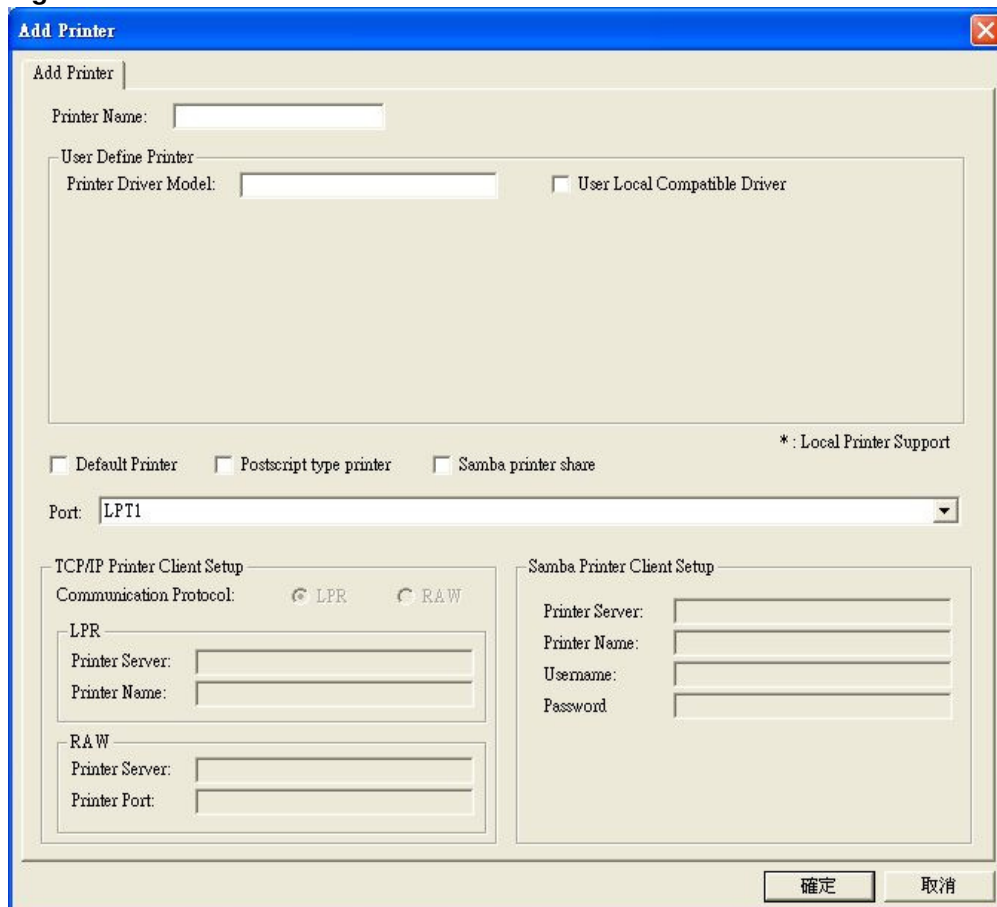


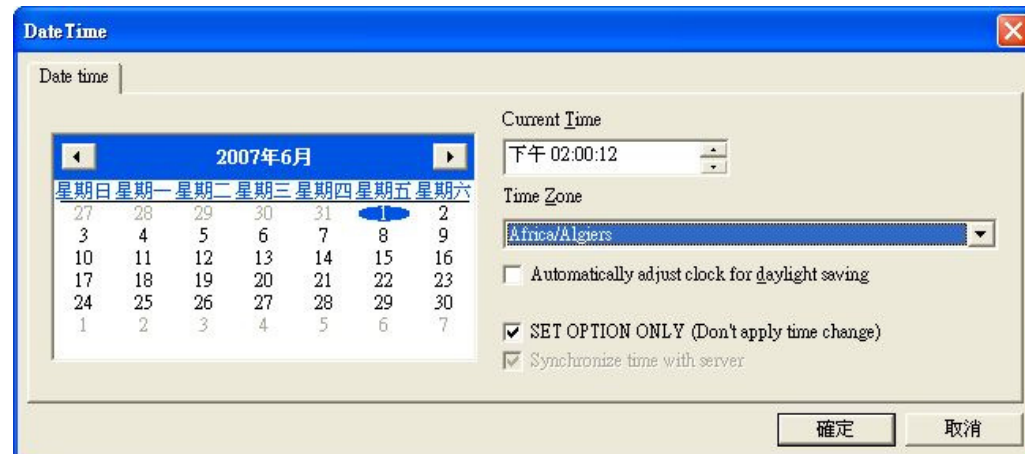
Figure 9.16



9.3.4. Date Time

- You can use this function to change settings of client's Time Zone.

Figure 9.17



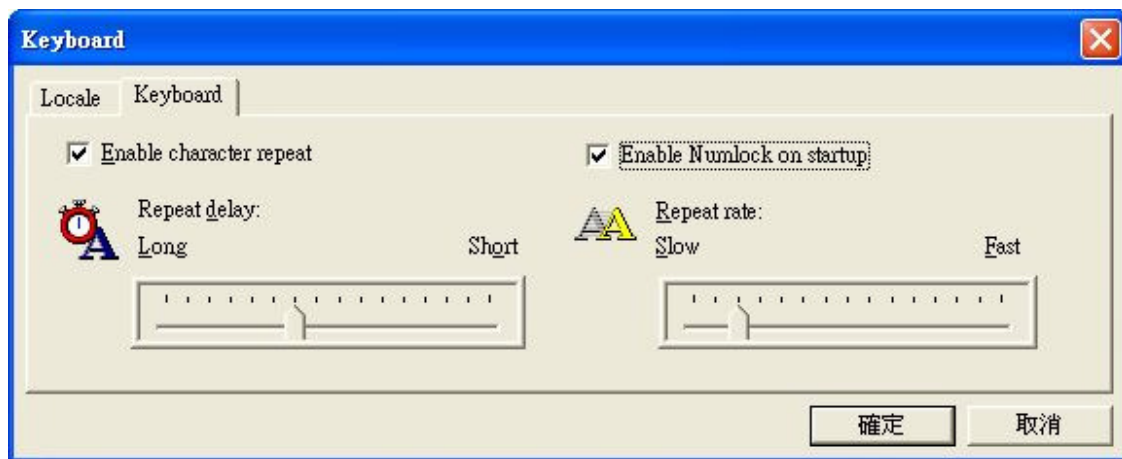
9.3.5. Keyboard

- You can use this function to change settings of client's keyboard which are keyboard locale, repeat delay, repeat rate and enable Numlock on startup.

Figure 9.18



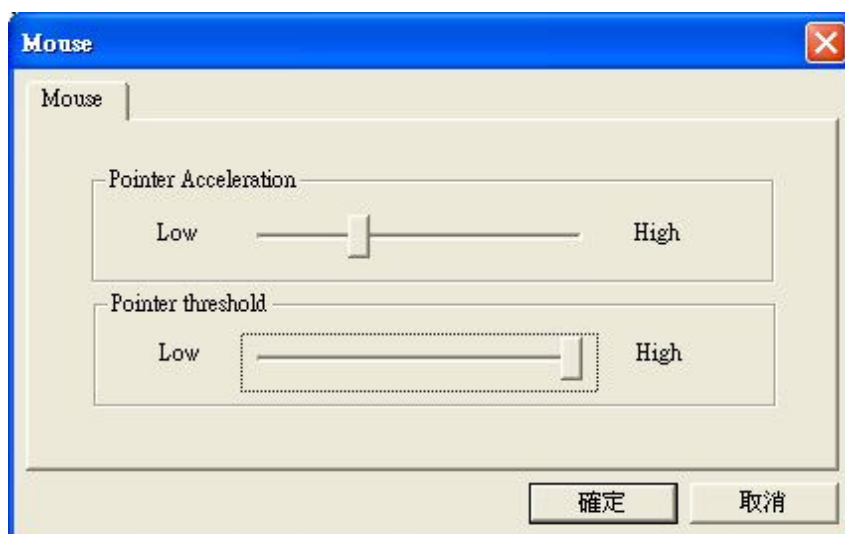
Figure 9.19



9.3.6. Mouse

- You can use this function to change settings of client's mouse which are pointer acceleration and point threshold.

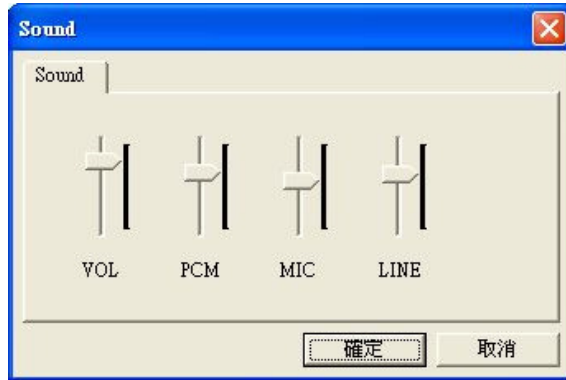
Figure 9.20



9.3.7 Sound Volume

- You can use this function to change settings of client's sound.

Figure 9.21



9.3.8 Desktop Style

- You can use this function to change settings of client's desktop style.

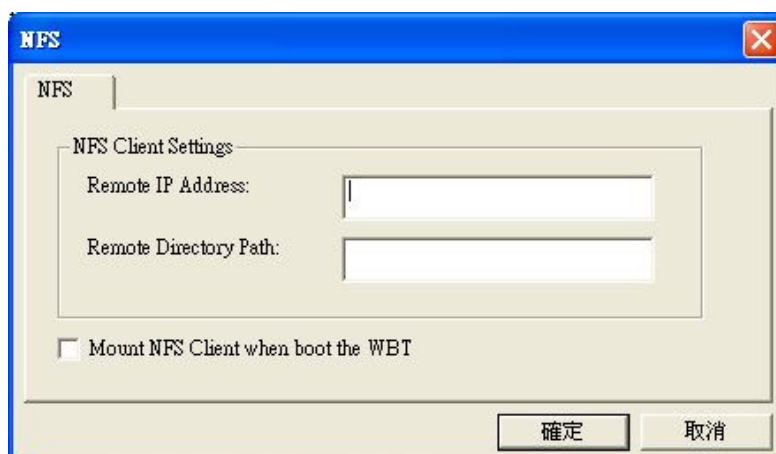
Figure 9.22



9.3.9 NFS

- You can use this function to set the NFS.

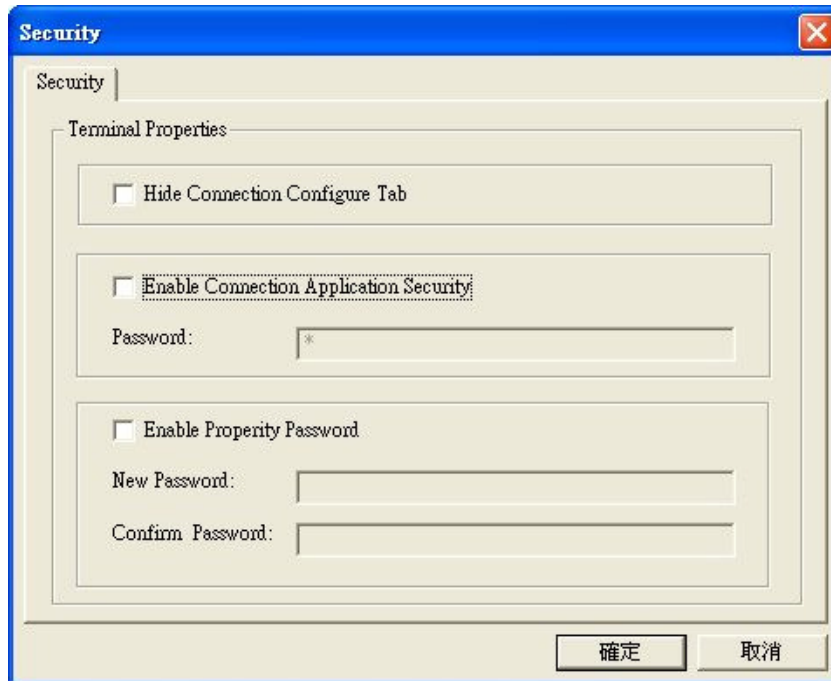
Figure 9.23



9.3.10 Security Setting

- You can use this function to change settings client's security which are terminal properties and connect properties.

Figure 9.24



9.3.11. USB Manager

- You can use this function to change settings client's USB managers which are USB human interface, USB storage and USB printer device.

Figure 9.25



9.3.12 Terminal Name

- You can view or edit the Terminal Name.

Figure 9.26



9.3.13 Terminal Group

- You can view or edit the Terminal Group.

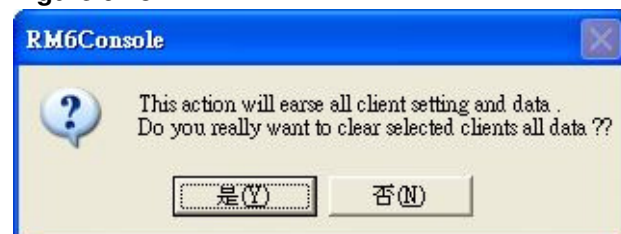
Figure 9.27



9.3.14 Reset Factory Default

- You can reset the client CE with the factory default settings.

Figure 9.28



9.4. Get/Apply Template

- According to many clients have their special settings. We make the template for you to save those special settings. When next time you want to use the settings, you can load the template files.

Of course, if you have many special configuration type and don't want to configure these clients one by one (maybe here are a huge amount of clients). You can also use the template function to make your work easier. You can setup a whole group of clients with one template file.

The template function for Linux include three items

- 1 **Control Panel**
 - 1.1 **Display**
 - 1.2 **Network**
 - 1.3 **Printer**
 - 1.4 **Date Time**
 - 1.5 **Keyboard**
 - 1.6 **Mouse**
 - 1.7 **Desktop Style**
 - 1.8 **NFS**
 - 1.9 **Security Setting**
 - 1.10 **Global ICA Setting**
 - 1.11 **Samba**
 - 1.12 **USB Manager**
- 2 **Connection**
 - 2.1 **ICA**
 - 2.2 **RDP**
 - 2.3 **Web**
 - 2.4 **Power Term**
 - 2.5 **RAS**
 - 2.6 **TKE**
 - 2.7 **TKIBM**
 - 2.8 **TEC**
 - 2.9 **Mplayer**
 - 2.10 **GGW**
 - 2.11 **Telnet**
 - 2.12 **SSH**
 - 2.13 **RSH**
 - 2.14 **Tarantella**
 - 2.15 **VNC**

So you can get these setting and apply to other clients.

- Right click the client and select "Get Template from Client".
- Click Select the Template Options appears as figure 9.31 and you can select that you want to template options

Figure 9.29

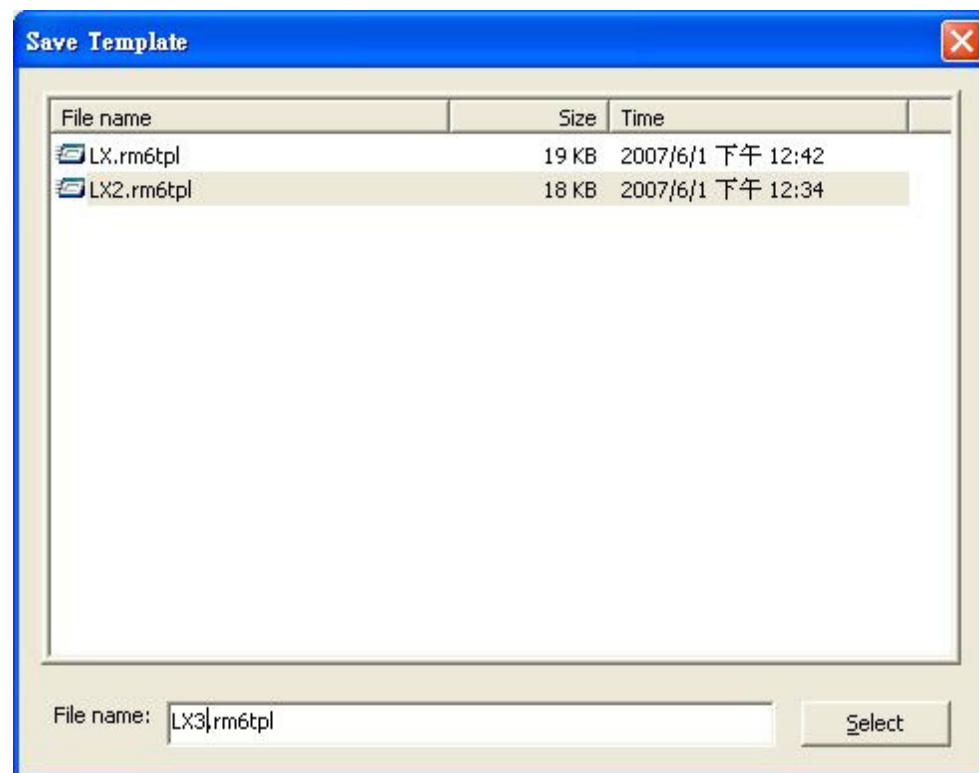
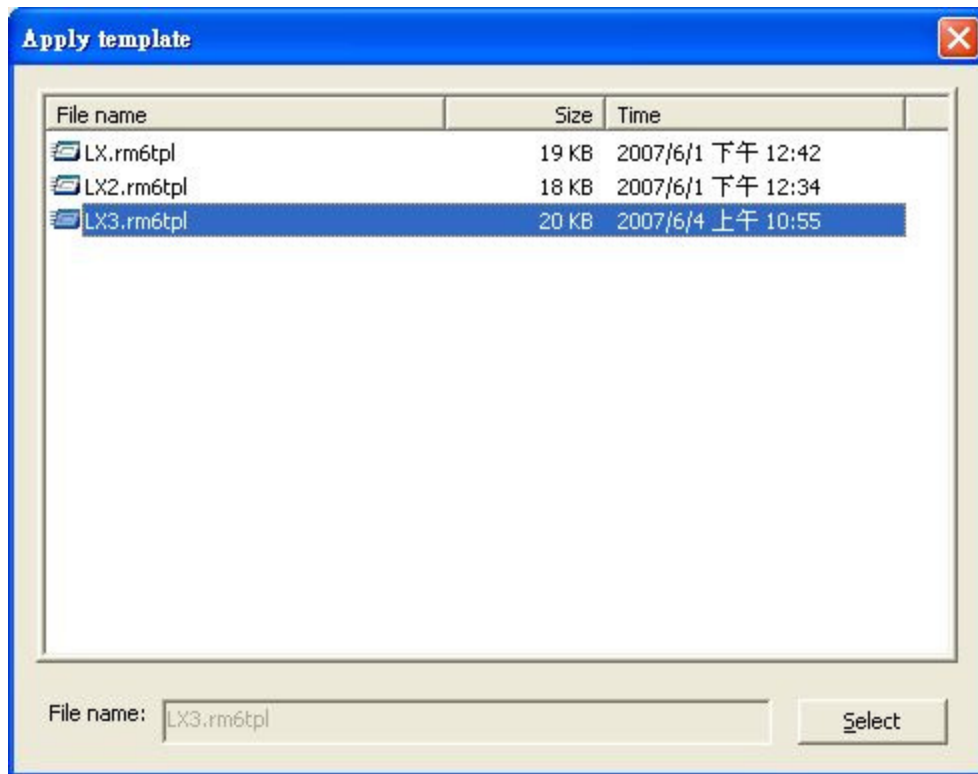


Figure 9.30



- Right click the client and select “Apply Template to Client”.

Figure 9.31



Note : All template files are stored in **C:\Program Files\RM6\Template\LX**

9.5. Shadowing Remote Control

- A Shadowing Remote Control Tool is a network application that allows users to manage and control PCs or networks from a remote location.

In our Linux Embedding, we have two ways to remote control the client.

9.5.1 VNC Viewer

Right click the client and select “VNC Viewer”. There will pop-up a “VNC Authentication” dialog. You have to enter the password. (Default password is “**password**”).

So you can login client and remote control it.

Figure 9.32

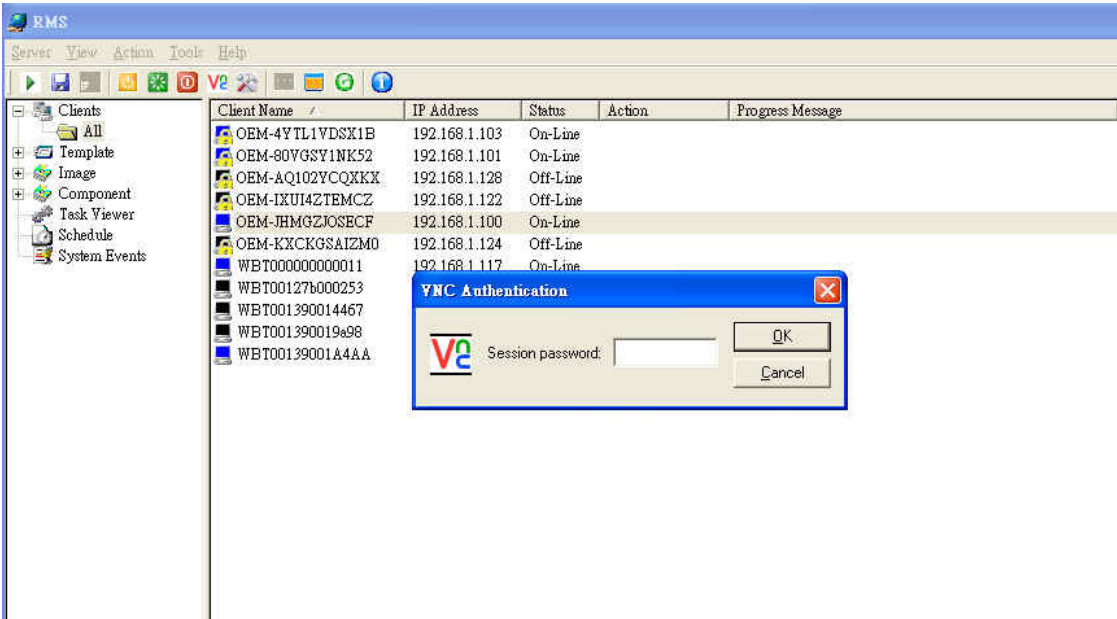
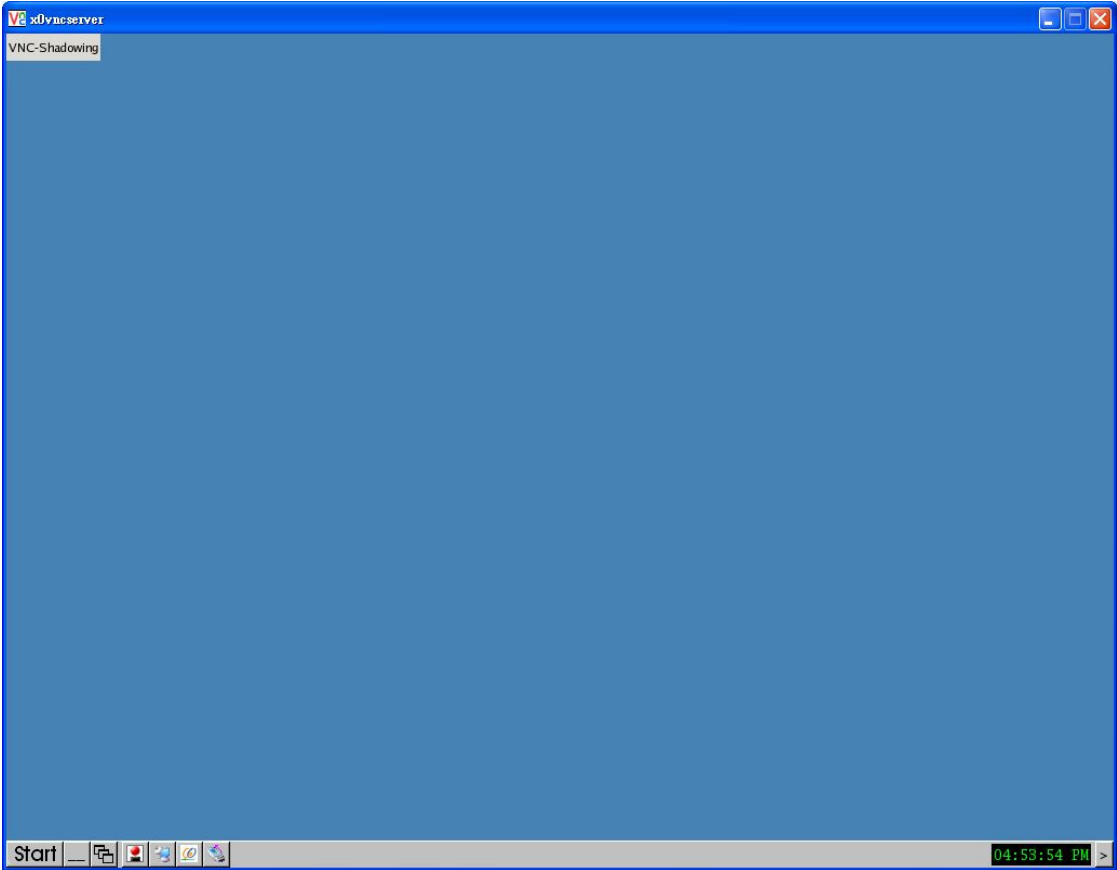
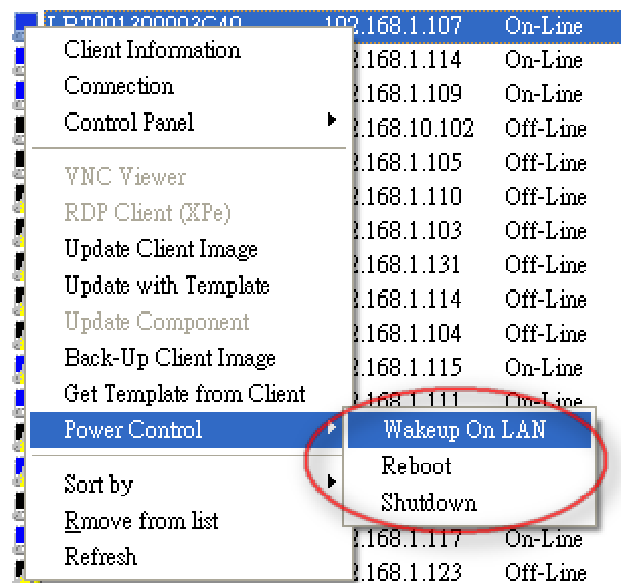


Figure 9.33



9.6. Power Control

Figure 9.34



9.6.1. Wakeup on LAN

- Select one or more destination(s), and then right click, select “Power Control” and select “Wakeup On LAN” to power on the appliance(s).
You can wake up a client with “Wake on LAN” enabled on LAN.
If you want to wake up a client on WAN (on another subnet), you have to set the router to pass the wake up packet by enable UDP broadcasting.
For more details regarding router setting, please check the router’s user manual.



The monitor color on the client list is in BLUE when it's on.

9.6.2. Reboot

- Select one or more destination(s), and then right click, select “Power Control” and select “Reboot” to reboot the appliance(s).

9.6.3. Shutdown

- Select one or more destination(s), and then right click, select “Power Control” and select “Shutdown” to power off the appliance(s).
The monitor color on the client list will turn from blue to black after the appliance (s) shutdown.

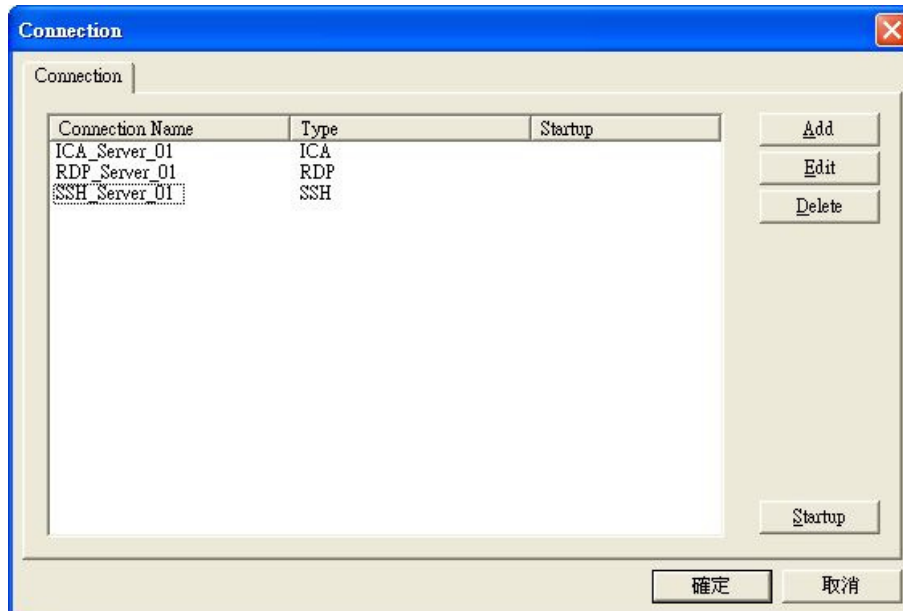


The monitor color on the client list is in BLACK when it's off.

9.7. Connection

- This function provides the ability to manage connections on the Client Linux Embedding. One can efficiently add, edit, and delete connections.

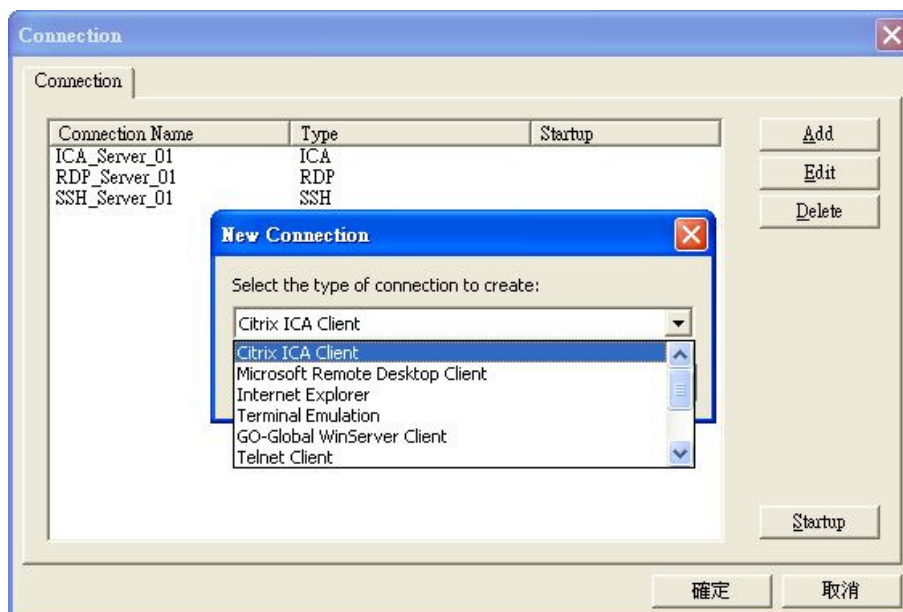
Figure 9.35



9.7.1. Add

- One can add all the types of connections provided in the Client side.

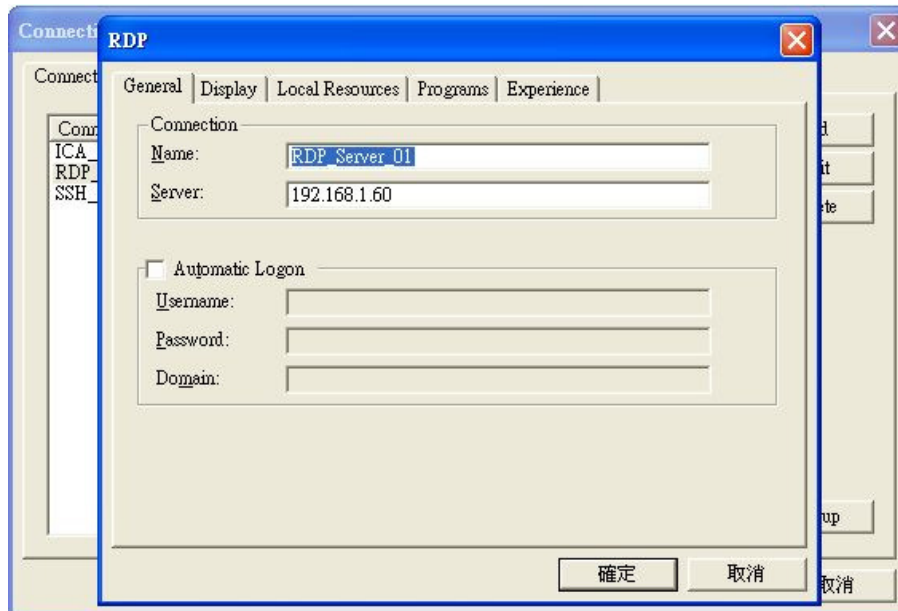
Figure 9.36



9.7.2. Edit

- One can edit the connections existing in the Client Side. Figure 9.38 shows the edit dialog for the RDP type of connections.

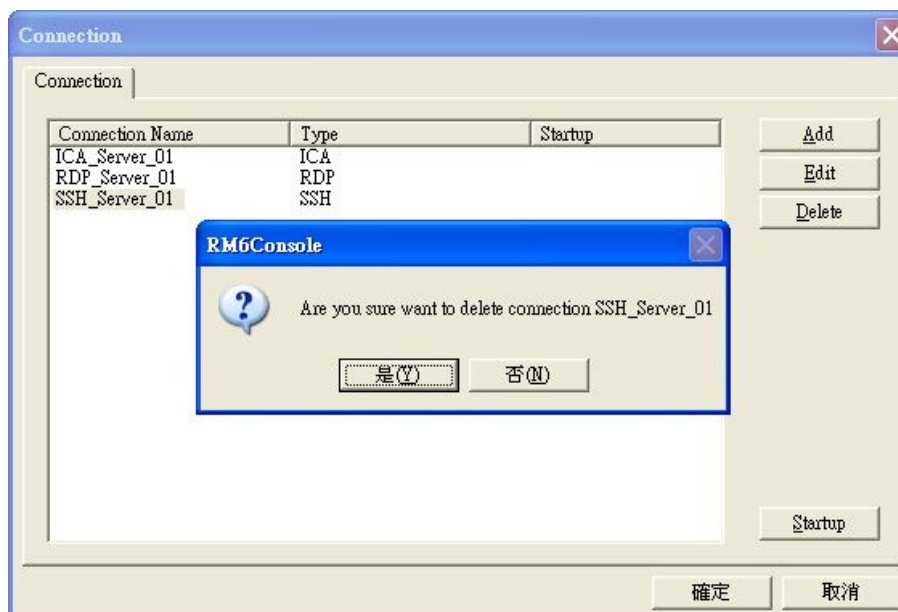
Figure 9.37



9.7.3. Delete

- One can delete the connections existing in the Client Side.

Figure 9.38



9.7.4. Startup

- One can add any connections existing in the Client side to Auto-Startup list. The connections added to Auto-Startup list will automatically start when the client system boots up.

Figure 9.39

