Viglen Remote Management Tool User Guide

Support Motherboard:
- ➢ Viglen Vig800S
- ➢ Viglen Vig700S

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Recommended Settings

Before using the Viglen RMT the settings listed below will need to be applied.

1. The Viglen Remote Management Tool (RMT) is designed to work with systems configured with Vig700S and Vig800S motherboards.

2. Below is a list of supported operating systems.

   - Windows 7 32bit & 64bit
   - Windows 8 64bit

3. The Viglen RMT works only in the local area connection (LAN). All systems must be part of the local area network.

4. Windows Firewall by default blocks inbound connections to the RMT. Add port or program exceptions in Windows Firewall to overcome this. (This guide shows how to do this).

   Note: If a different firewall is used, please refer to its guide for instructions on how to add exceptions.

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Windows Firewall Settings

The server that you will be installing the RMT Tool needs to be configured to allow inbound connections on the chosen port. The default port is set to 3333.
Below are the instructions for doing this.

1. Select **'Start'**, **'Administrative Tools'** and then **'Windows Firewall with Advanced Security'** to open the window.
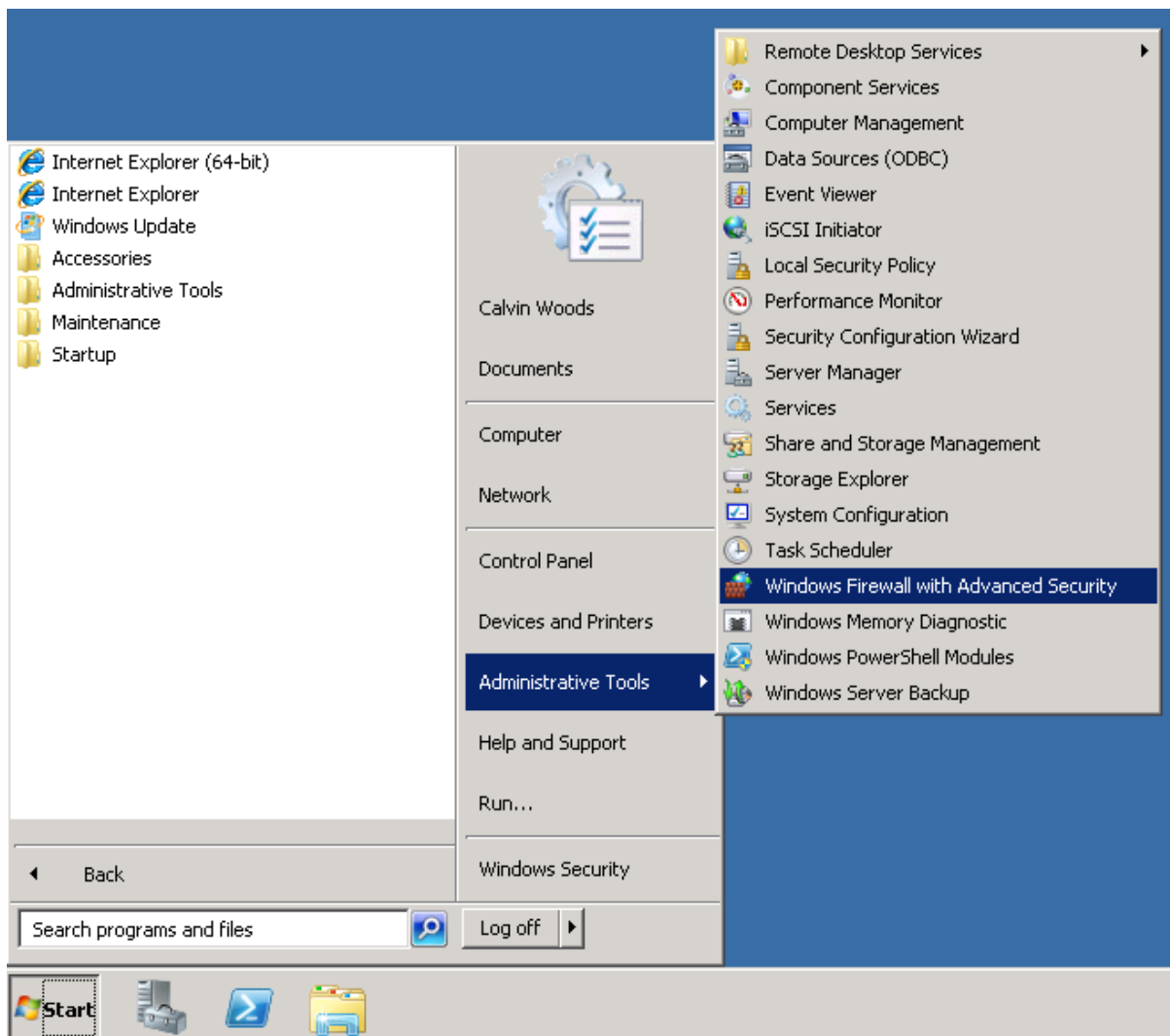

Figure 1: Selecting the Windows Firewall with Advanced Security option

2. Select **'Inbound Rules'** in the left window pane and then select **'New Rule'** in the Actions pane on the right.
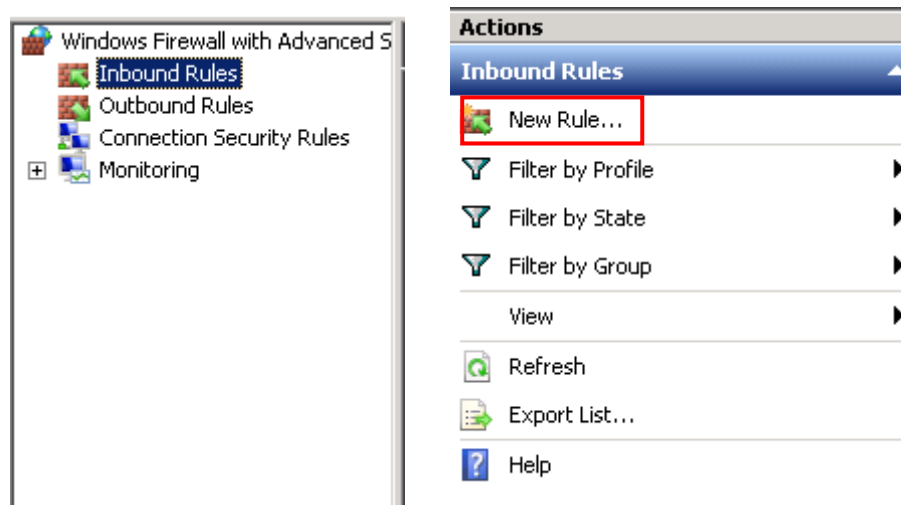

Figure 2: Creating a new rule for inbound connections

3. The new inbound rule wizard will appear. Select the **'Port'** option and select **'Next'**
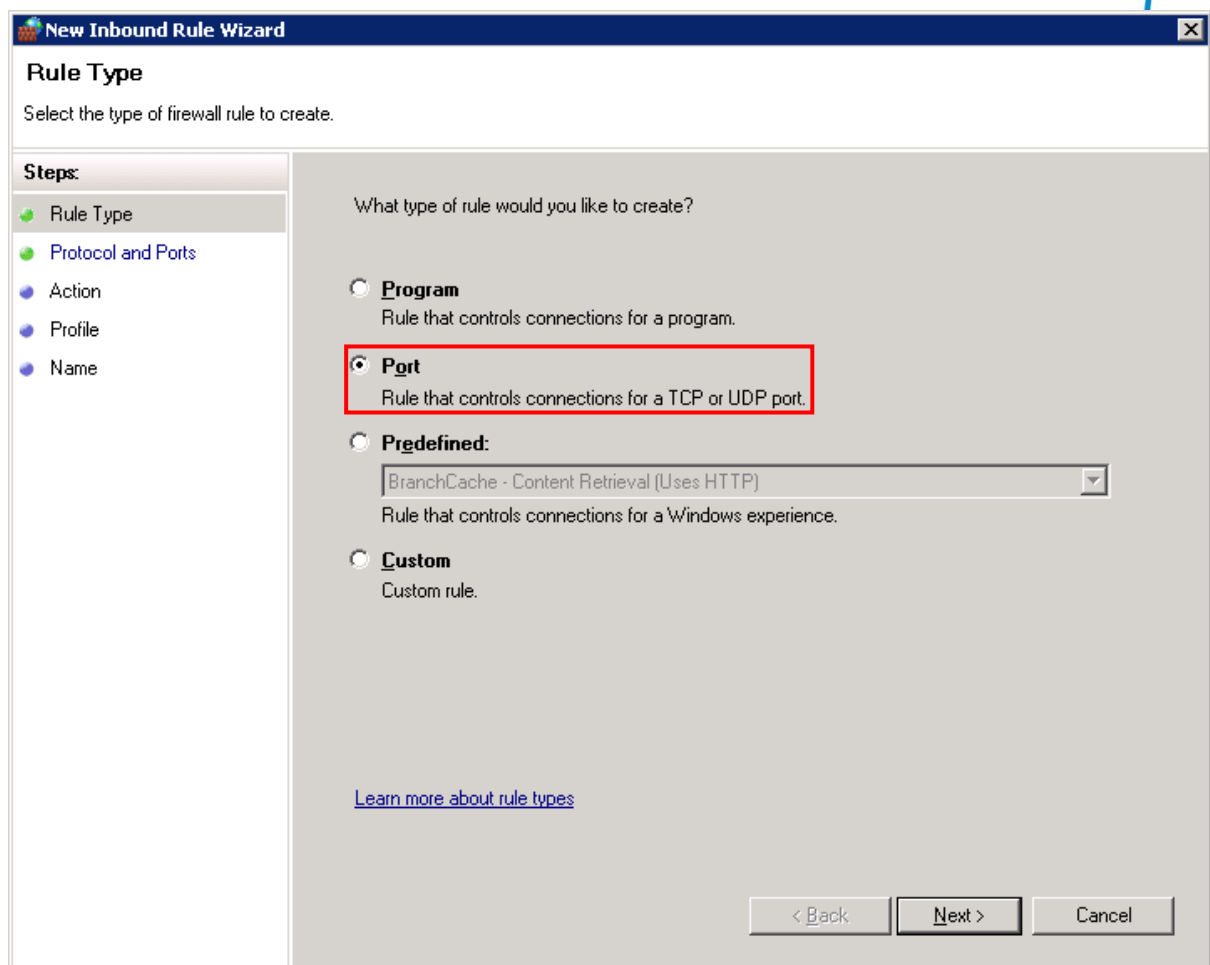

Figure 3: Selecting the Port option

4. Select the **Transmission Control Protocol 'TCP'** option for the rule to apply to these connections. Then select the **'Specific local ports'** option and enter the port number you would like the inbound commands to come through. Select **'Next'** once the port number has been entered.
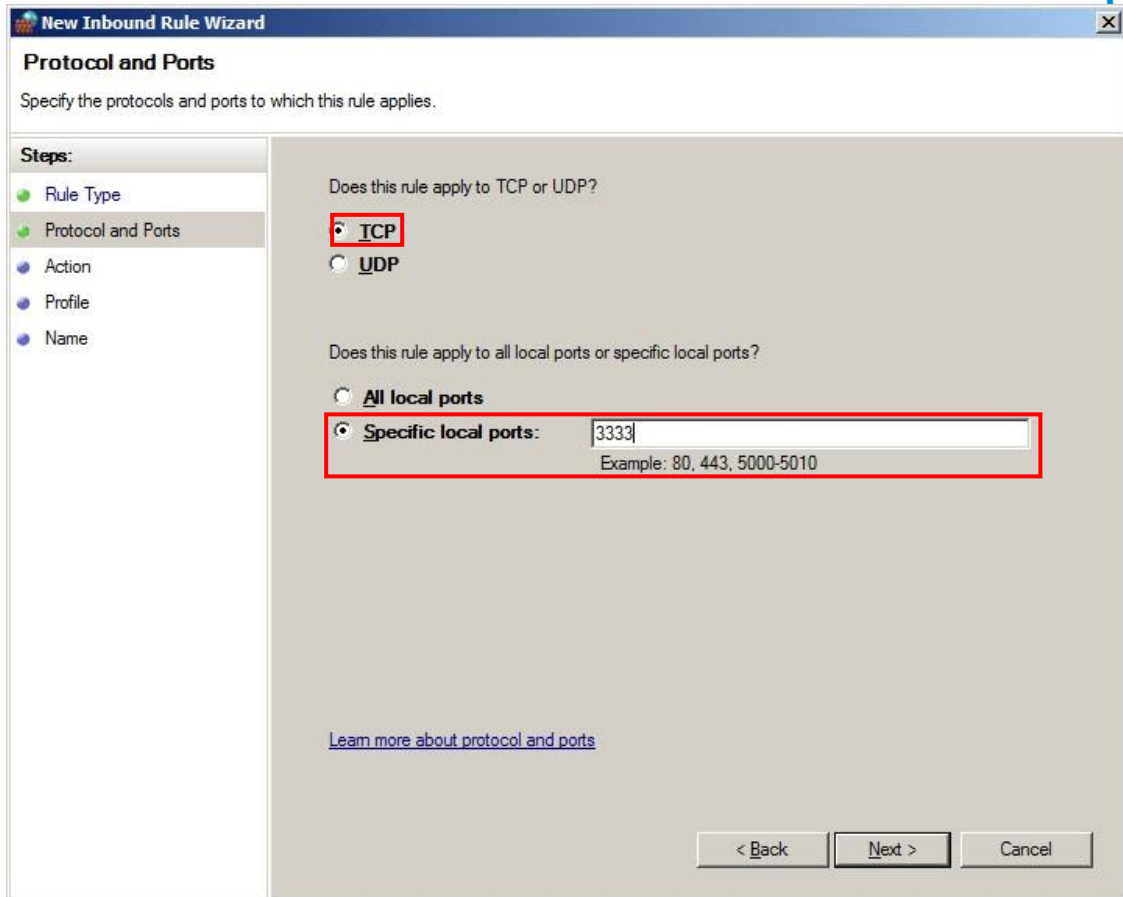
The default port number is set to 3333.

Figure 4: Setting TCP port number

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5. Select **'Allow the connection'** option to allow all connections through this port and then select **'Next'**.
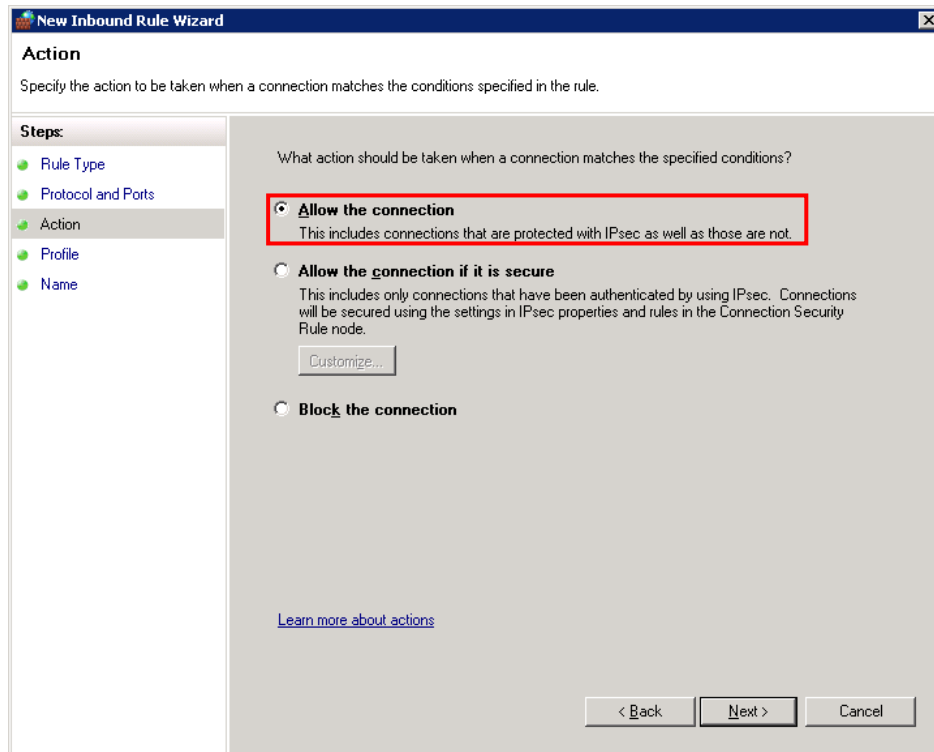

Figure 5: Allow connections option

6. Select the appropriate profile for the type of network the server is connected to. In this case they have all been selected.
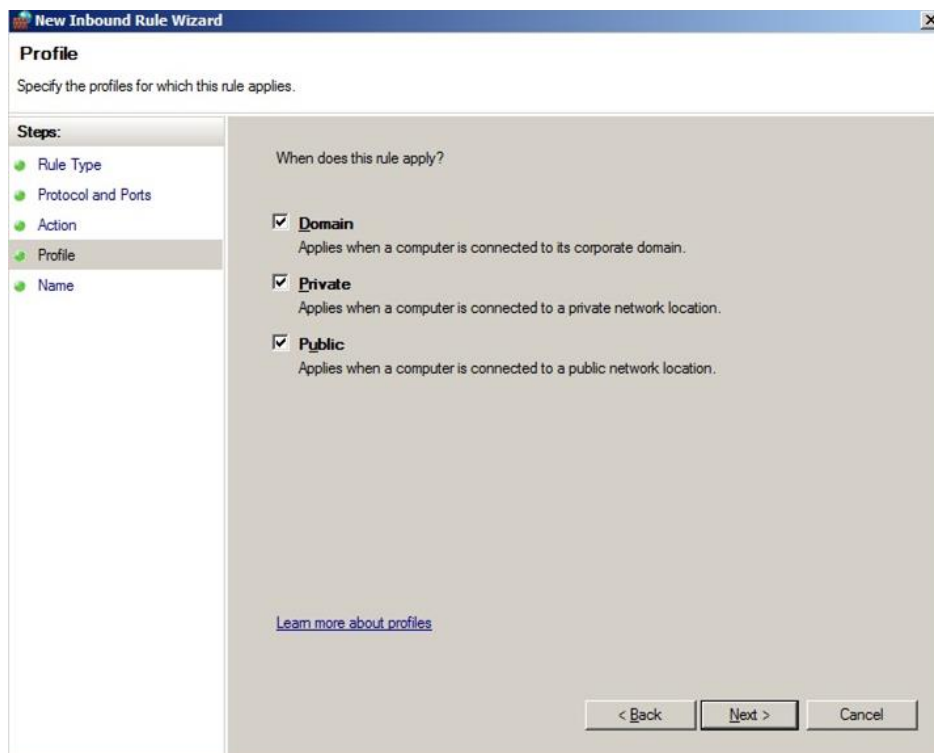

Figure 6: Selecting appropriate network profile

7. Enter the name of the rule and select **'Finish'**. You can also enter a description for the rule, but this is optional.
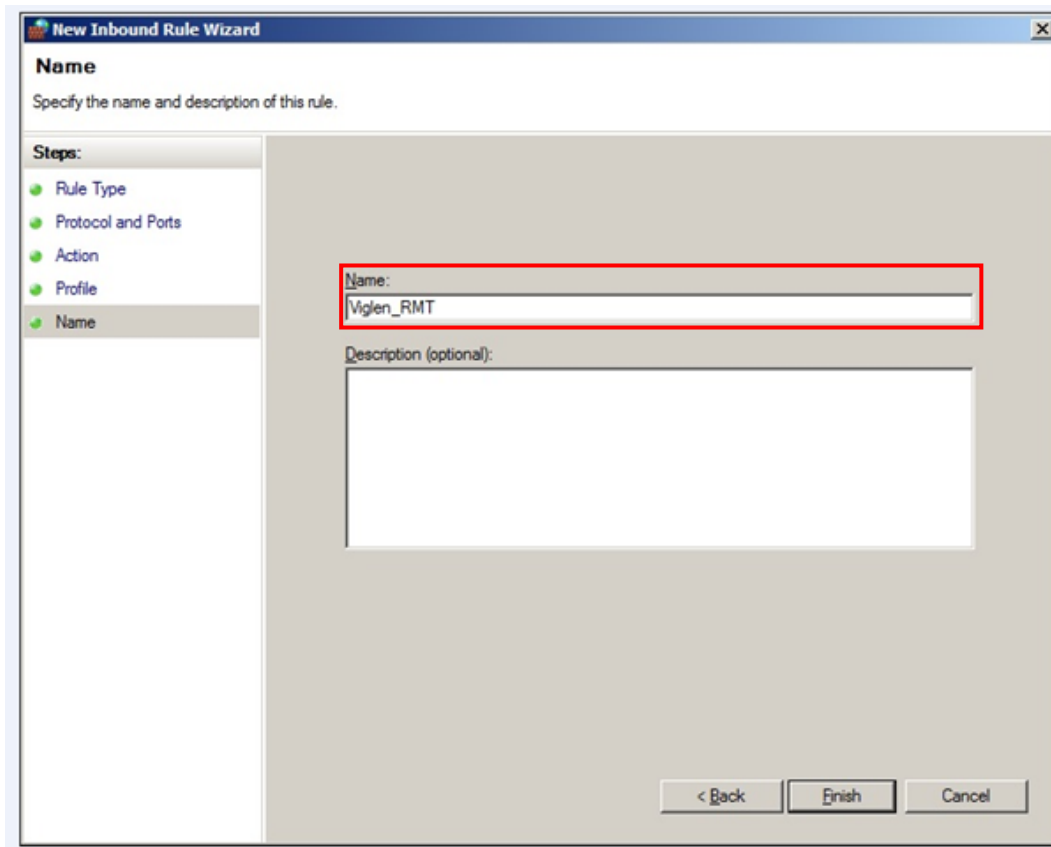

Figure 7: Entering a name for the inbound rule

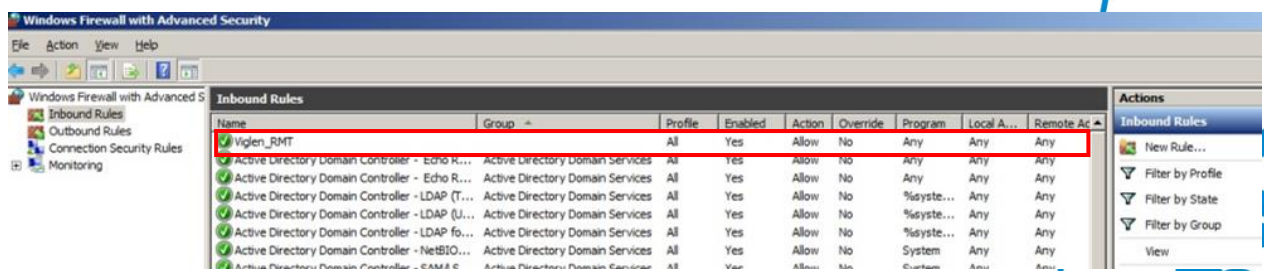8. After you have clicked **'Finish'**, you will see the new rule added to the list.

Figure 8: New rule appears in the Inbound Rules list

When the above has been finished, the Viglen RMT is ready to be set up.

Server Setup

The following steps will guide you through the necessary changes in order to set up your system as the server.

1. Open Viglen RMT folder and copy the folder **'Server_0.0.4'** into your system.
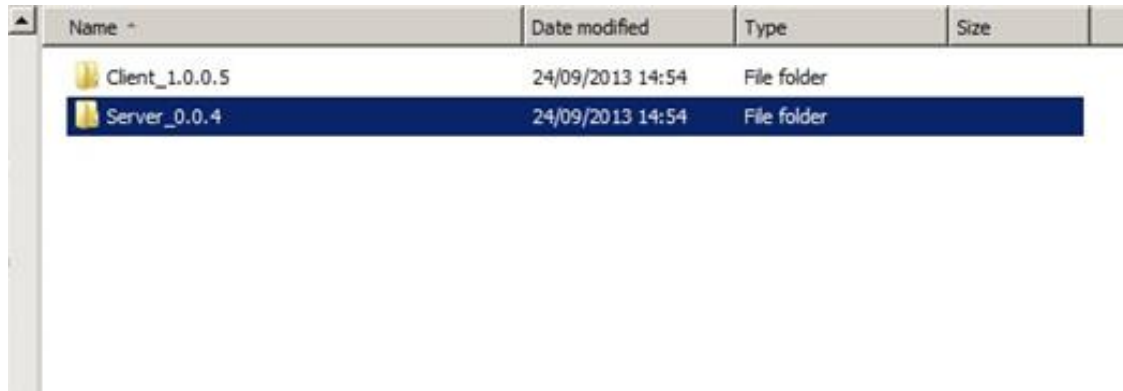

Figure 9: Locating Server folder in Viglen RMT

2. Open the **'Server_0.0.4'** folder to find a list of folders and files, the files that will need to be edited are located here.
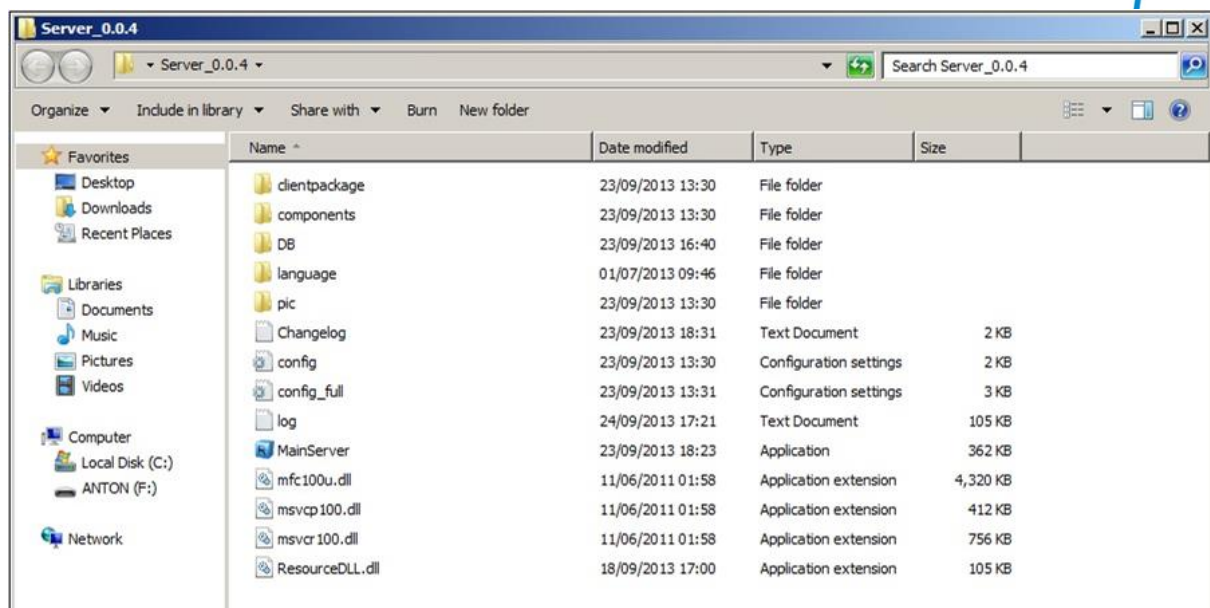

Figure 10: Contents of Server folder in Viglen RMT

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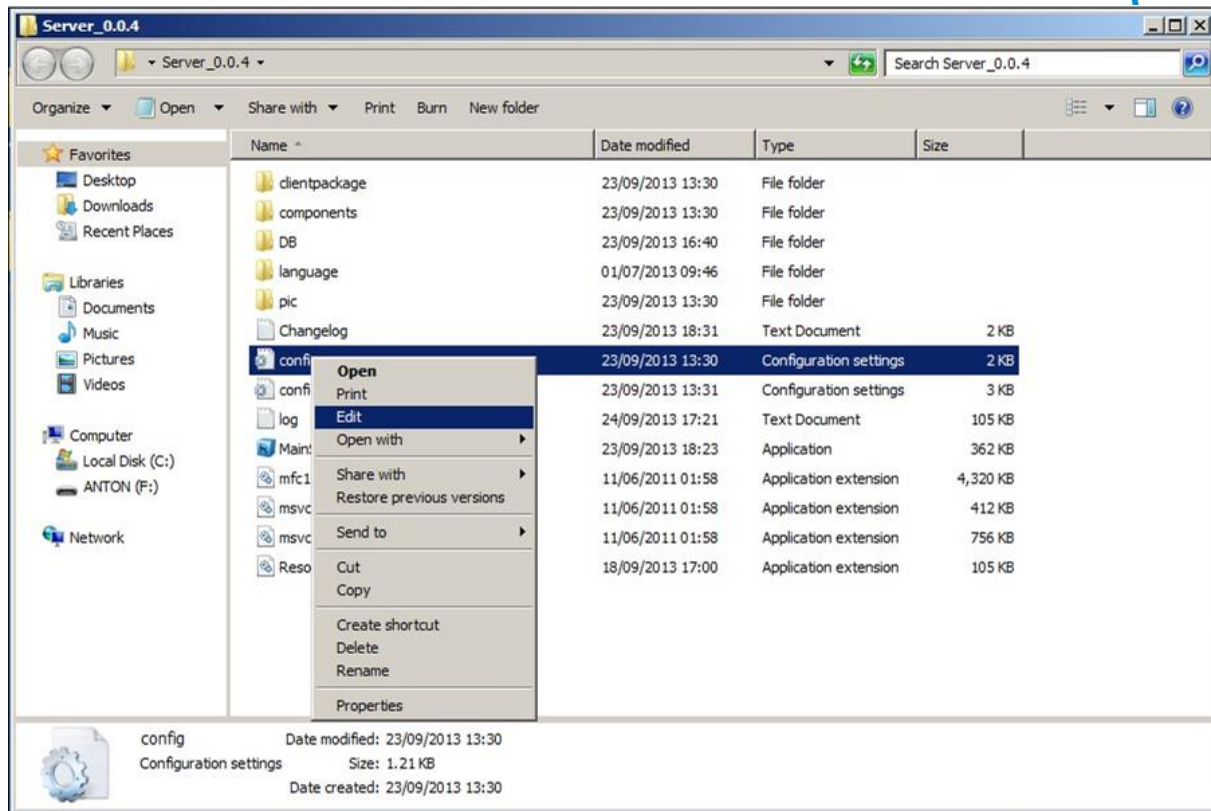3. Right click on **'config'** (may also be represented as **'config.ini'**) and select **'Edit'** as seen below.

Figure 11: Right click on config

4. Locate the **'SERVER_IP'** line and change the default IP to the IP of the server system you are currently using. Locate **'SERVER_PORT'** line and change the default port to a port of your choice between 1024 and 65535 (Default port is 3333).
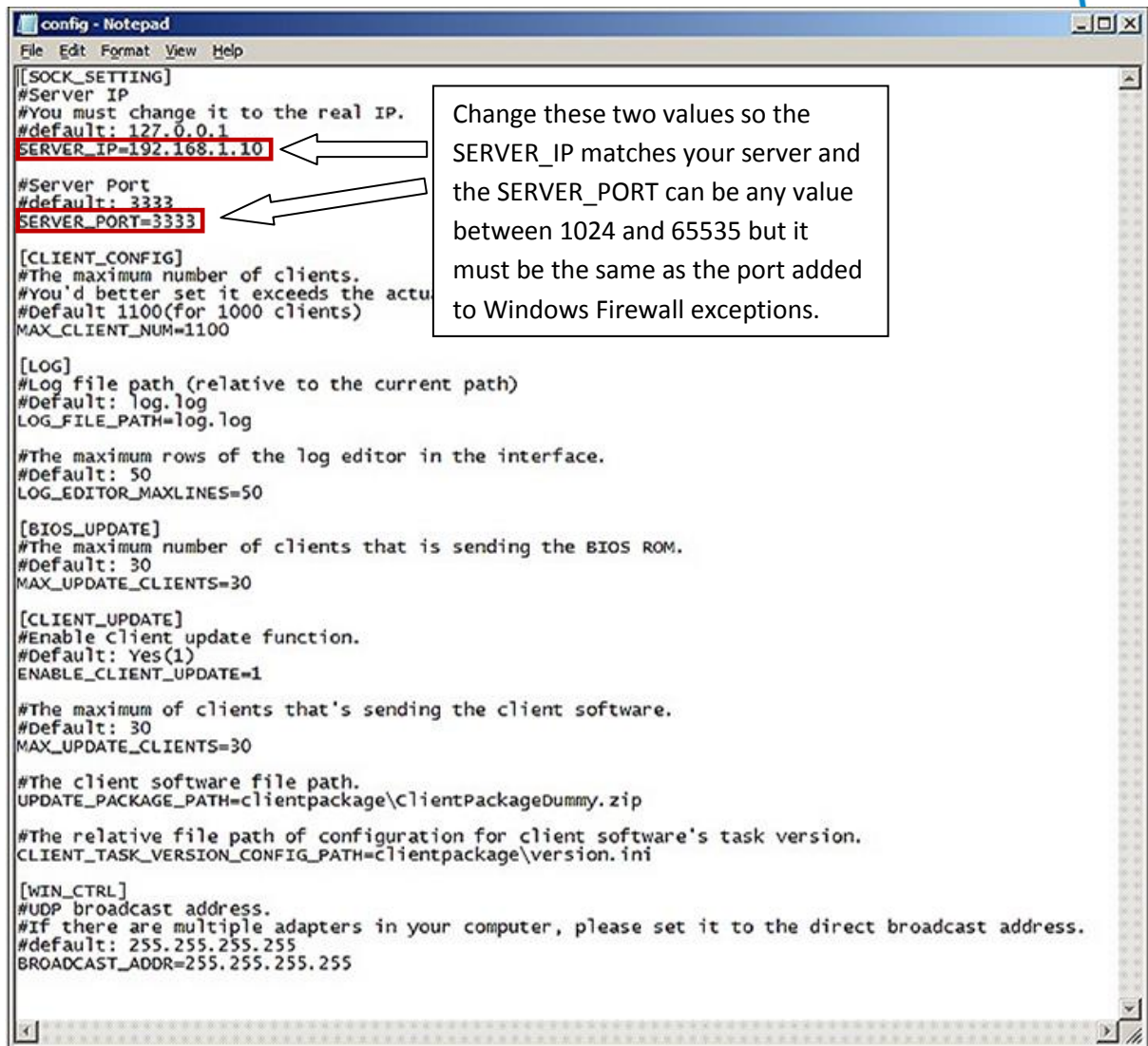

Figure 12: Config opened in notepad
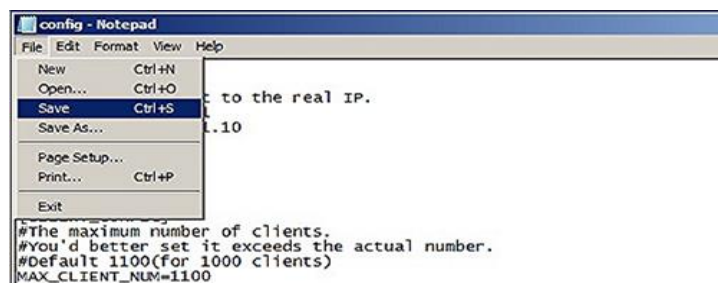
5. Save the file and close it.

Figure 13: Saving changes made to Config

Once all the above steps are completed, the server has been set up.

Client Setup

The following steps will guide you through the necessary changes in order to setup a system as the client.

1. Open Viglen RMT folder and copy **'Client_1.0.0.5'** folder into your system being used as the client.
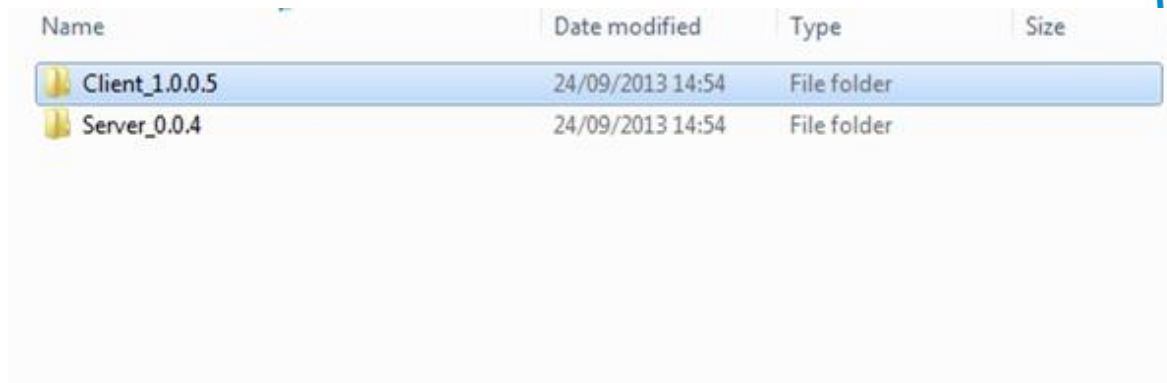

Figure 14: Copying Client folder to system

2. Open the **'Client_1.0.0.5'** folder and locate the file called '**install'** with the file type **Registration Entries**. Right click on this and select edit. (This file may also be represented as **'install.reg'**).
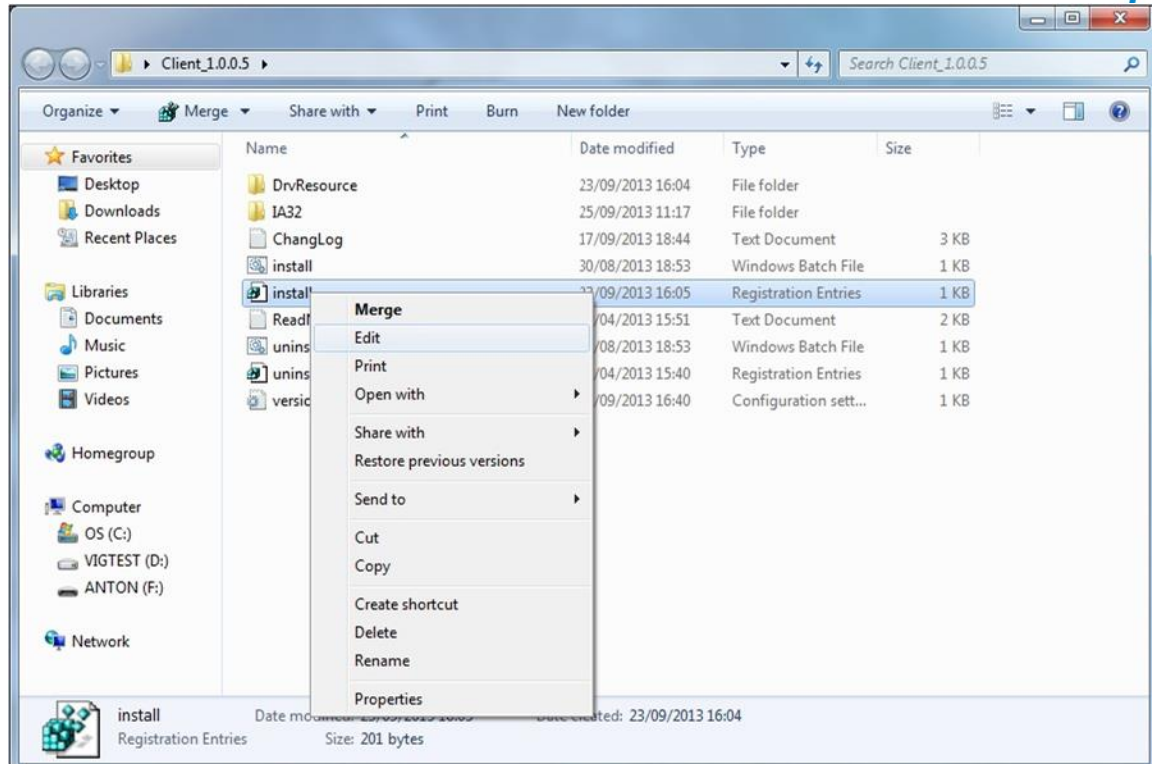

Figure 15: Right click on install.reg

3. The file should be opened in notepad. Change **'ServerIP'** to the IP of the server you set up. Change '**ServerDomain**' to the domain your server is located in. Save and exit.
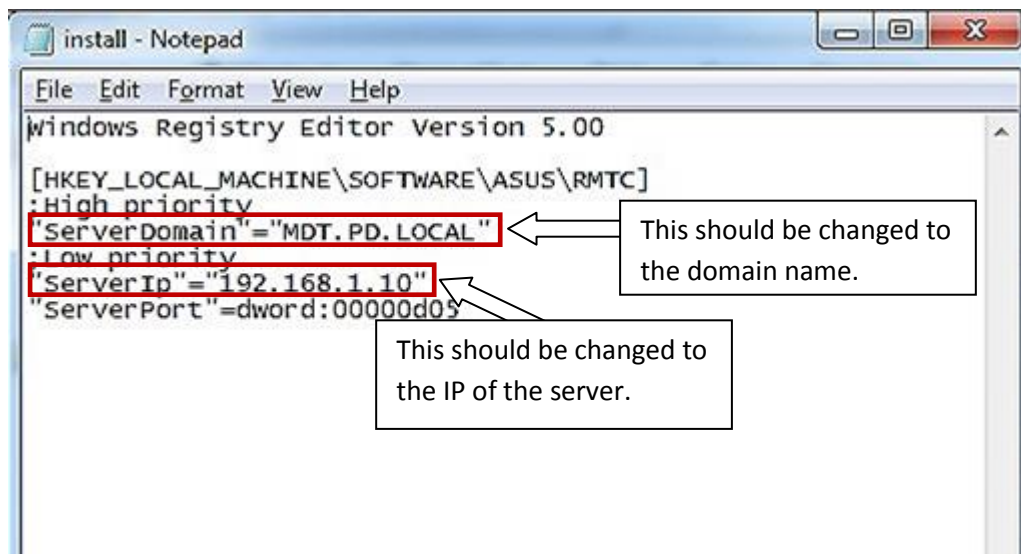

Figure 16: Changes to be made to install file

4. Locate the other **'install'** file which is a batch file. Right click on it and select **'Run as Administrator'**, if asked to allow program to make changes, select Yes. (This file may also be represented as **'install.bat'**)
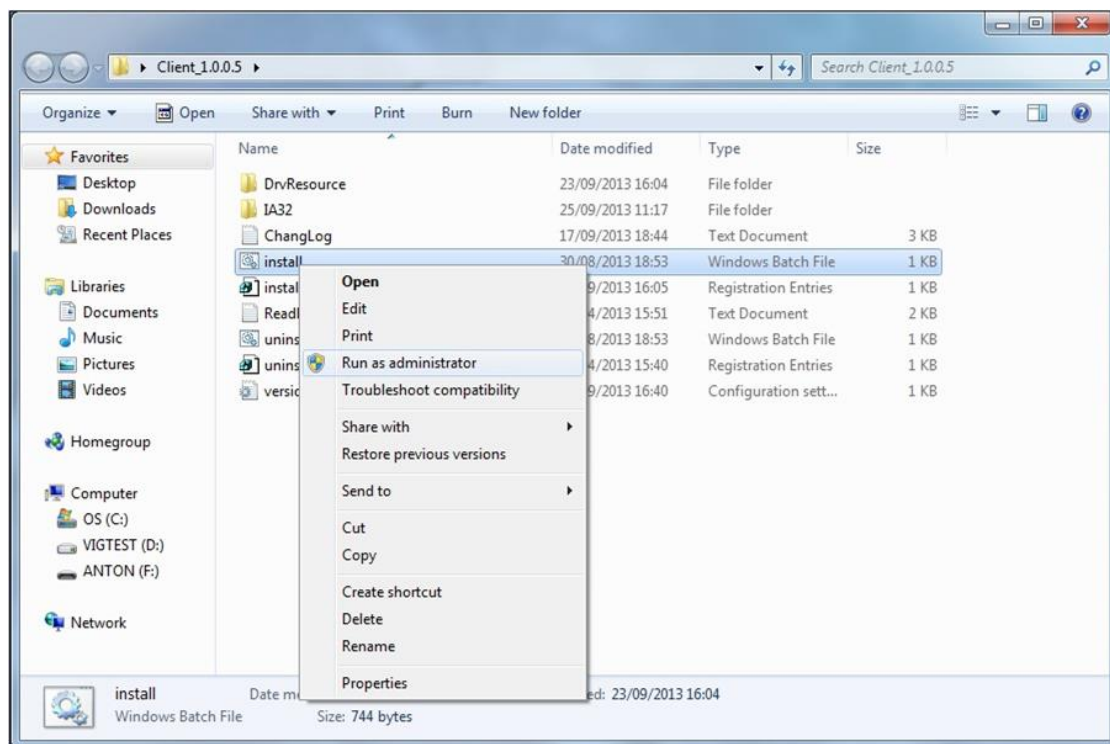

Figure 17: Running install batch file

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5. Once that has been done, you will see a window appear which will verify that the installation has occurred. This window will open and close automatically.
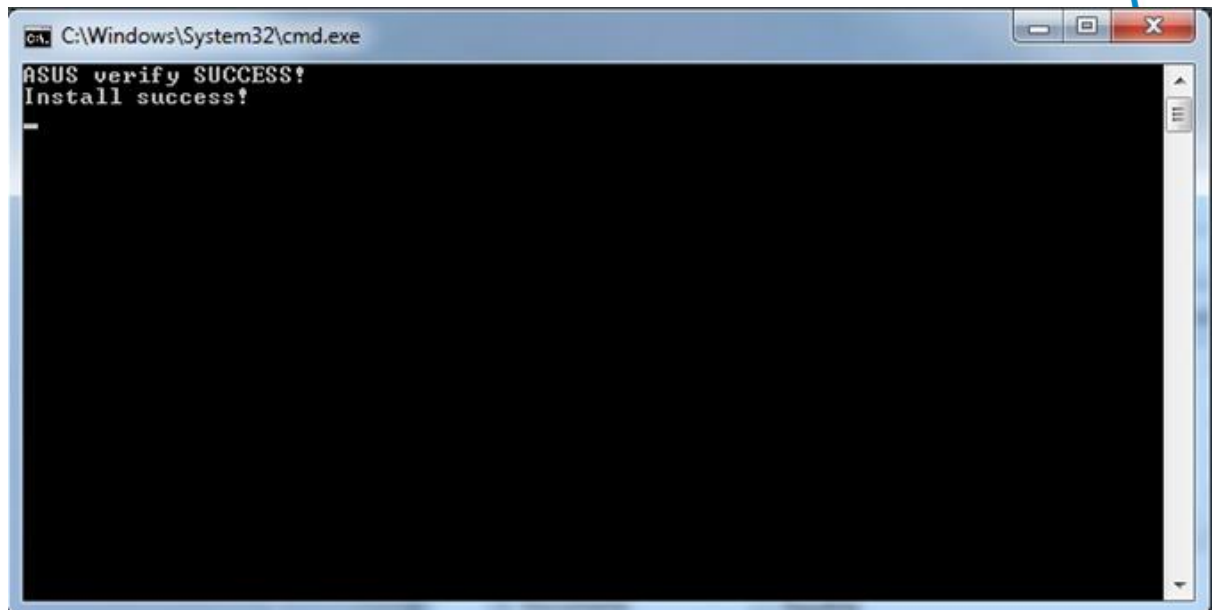

Figure 18: Results of installation on client

When this has been done, the Viglen RMT has been installed and set up. The client setup stage should be repeated on all systems being used as clients.

Using the Viglen RMT

This section will guide you through using the Viglen RMT and its features. The server and all client systems must be on the same local network for the tool to work.

Connecting Server to Clients

To start using the Viglen RMT locate the **'MainServer'** application in the Viglen RMT folder and open it, when the application has opened, you will see the list of clients which you can connect to on the right hand side. Press **'Connect'** on the bottom right hand side of the screen to connect the server to the clients. Once connected you will be able to select which clients you wish to remotely control by ticking them. In order to remotely control a client they must be ticked.
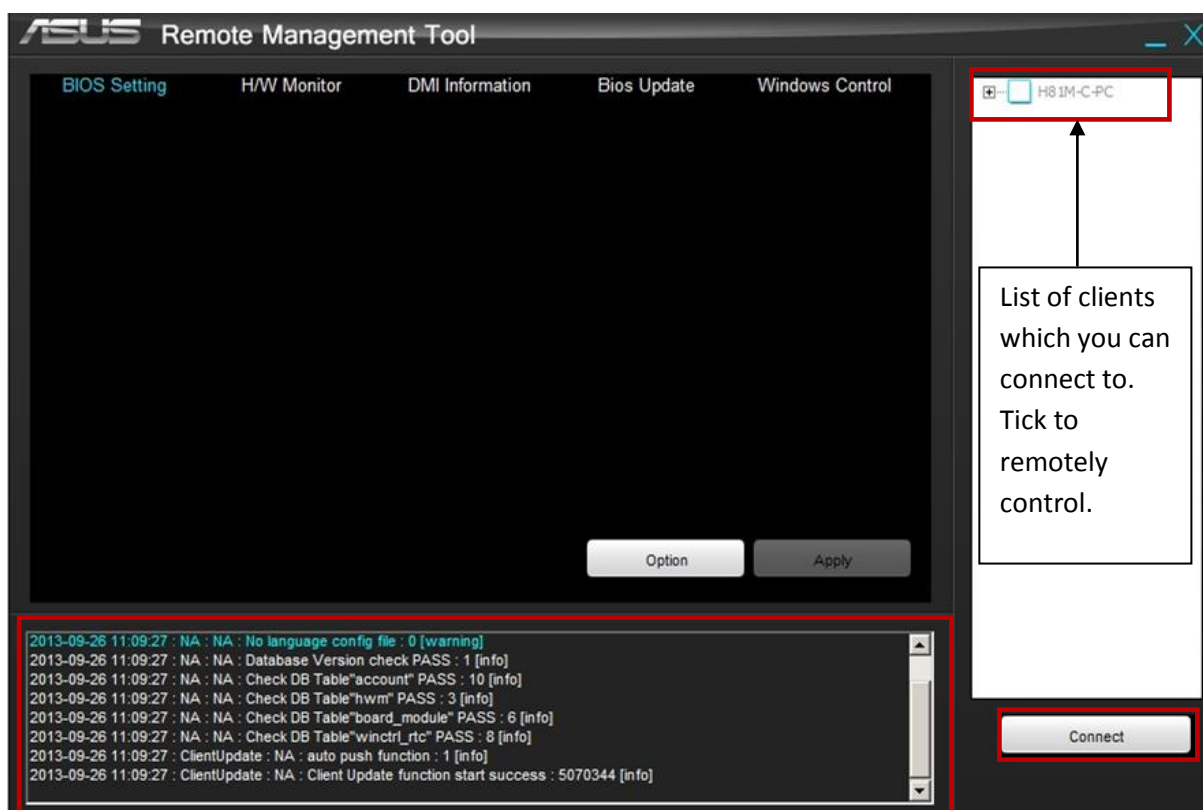

Figure 19: Connecting to clients and log

This section is the log. It keeps track of the actions being performed and displays this to the user. It also shows warnings. This log can also be found in a txt file in the Viglen RMT folder which is created when you first open the application and is automatically updated as the application is used.
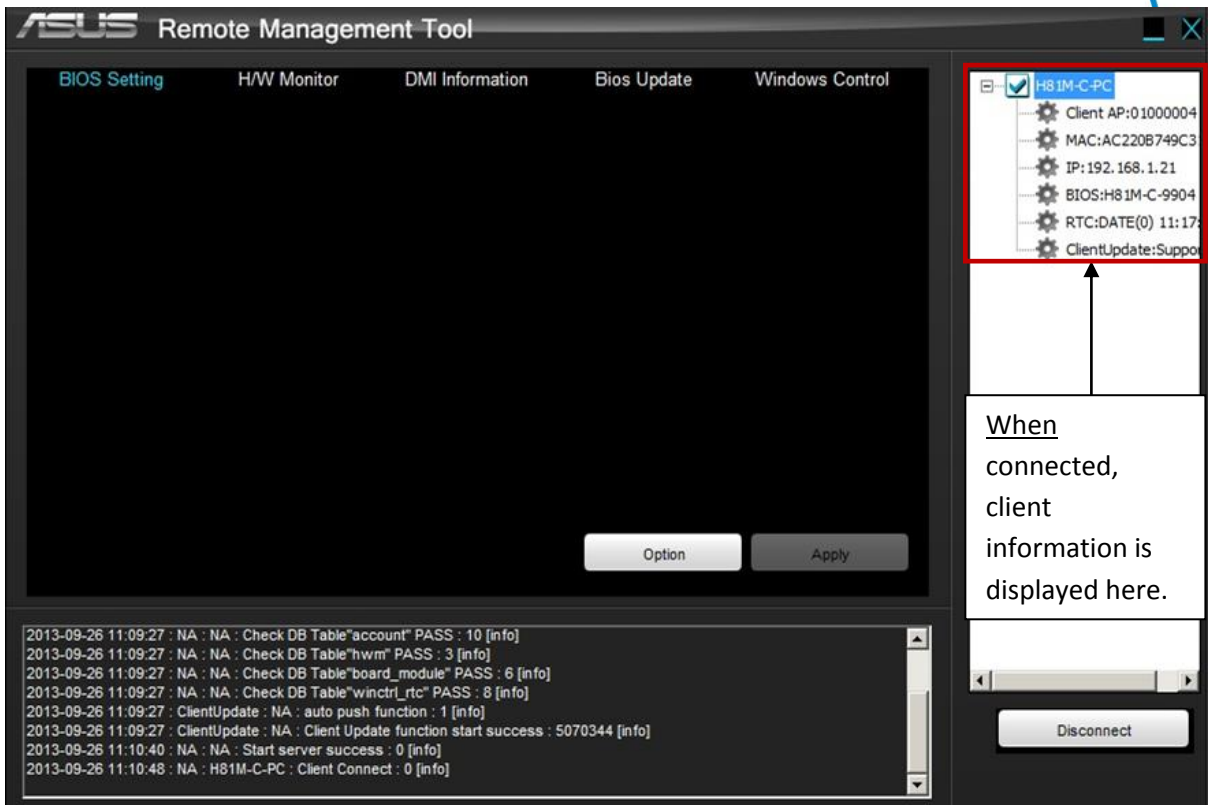
Figure 20: Client information after connecting
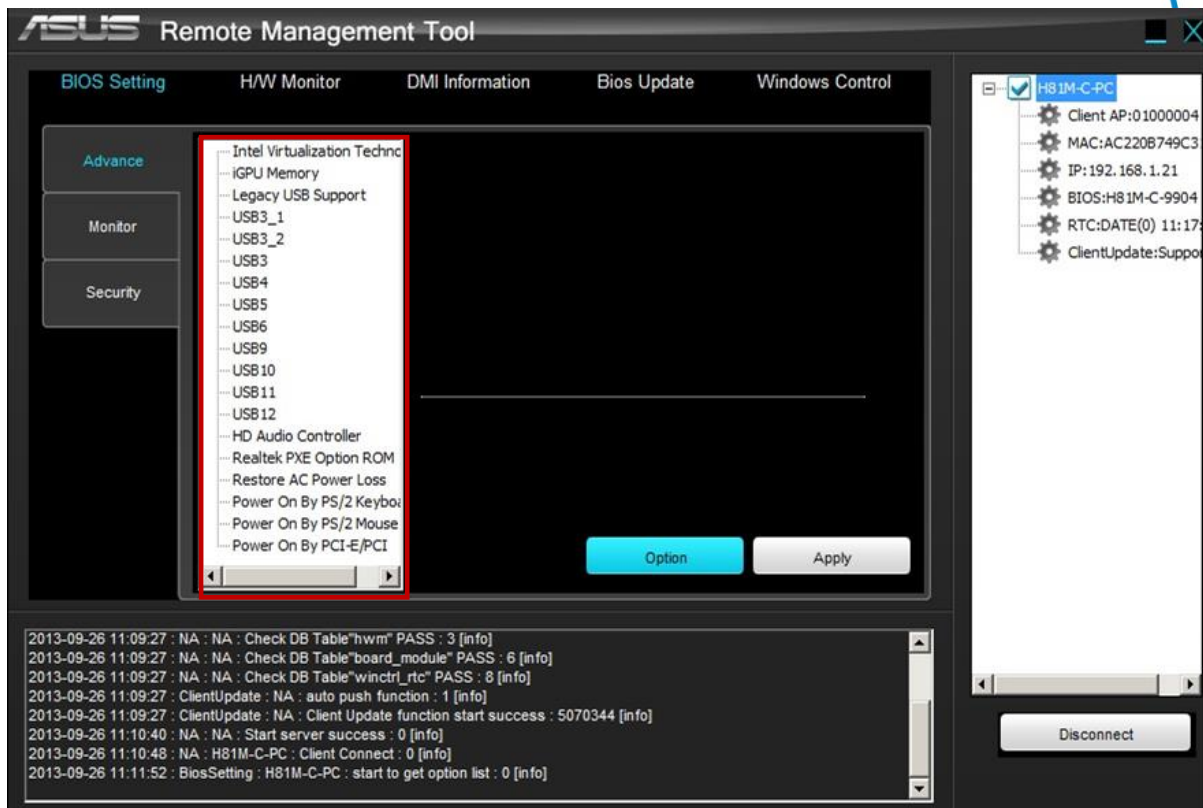
BIOS Settings – Advanced

Figure 21: BIOS Settings Advanced Menu

The **'Advanced'** Menu allows you to make changes to the BIOS of the client, such as enabling/disabling USB ports and power on options.
For example to enable one of the settings listed, click on it and the option to enable it appears as a drop down list.

To get the list of settings press **'Option'**. This will display the settings seen on the left.
To apply any changes press **'Apply'**.

BIOS Settings – Monitor

The **'Monitor'** section of the BIOS gives you the option of changing fan and anti-surge settings. These can be edited by selecting the appropriate setting and changing its value. Once changes have been made press **'Apply'** to save.
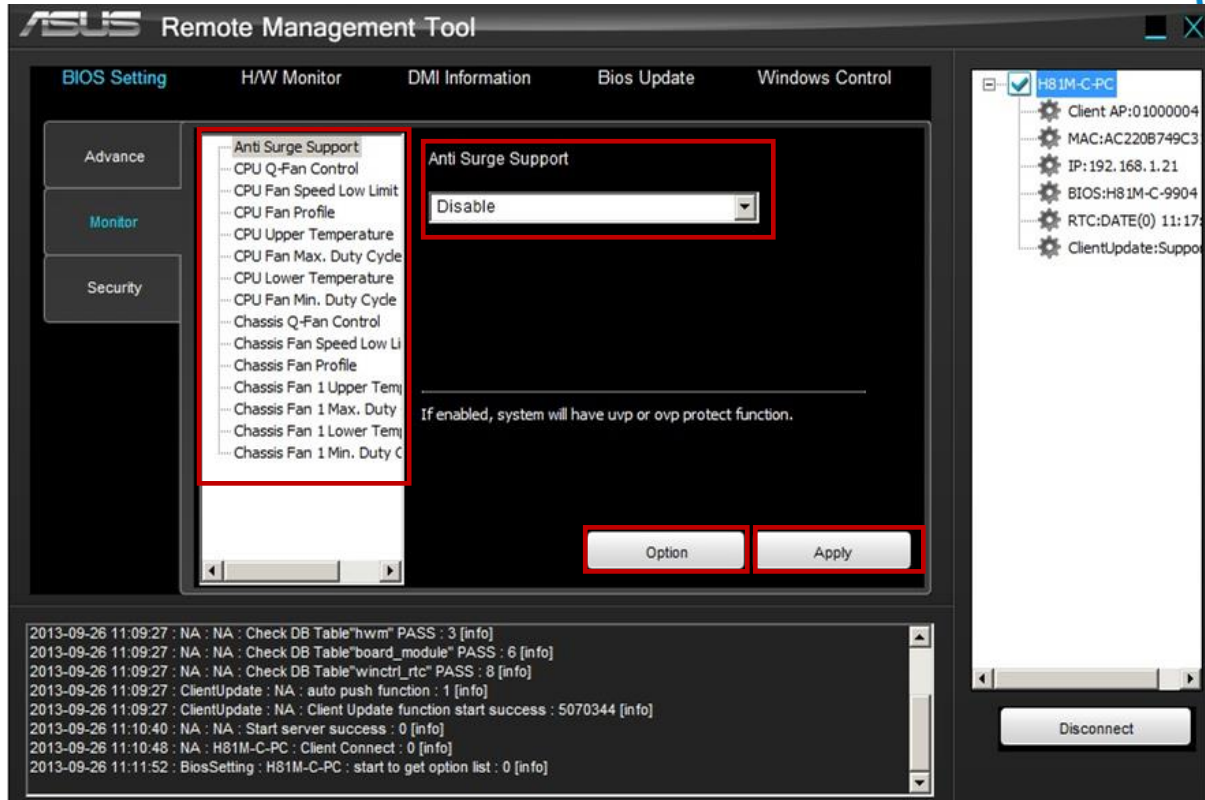

Figure 22: BIOS Settings Monitor Menu

BIOS Settings – Security

This section allows you to set a password for the BIOS. To do this, select either **'Admin Password'** or **'User Password'** and type in the password and confirm it underneath. Press **'Confirm'** and then **'Apply'** for the password to be set.
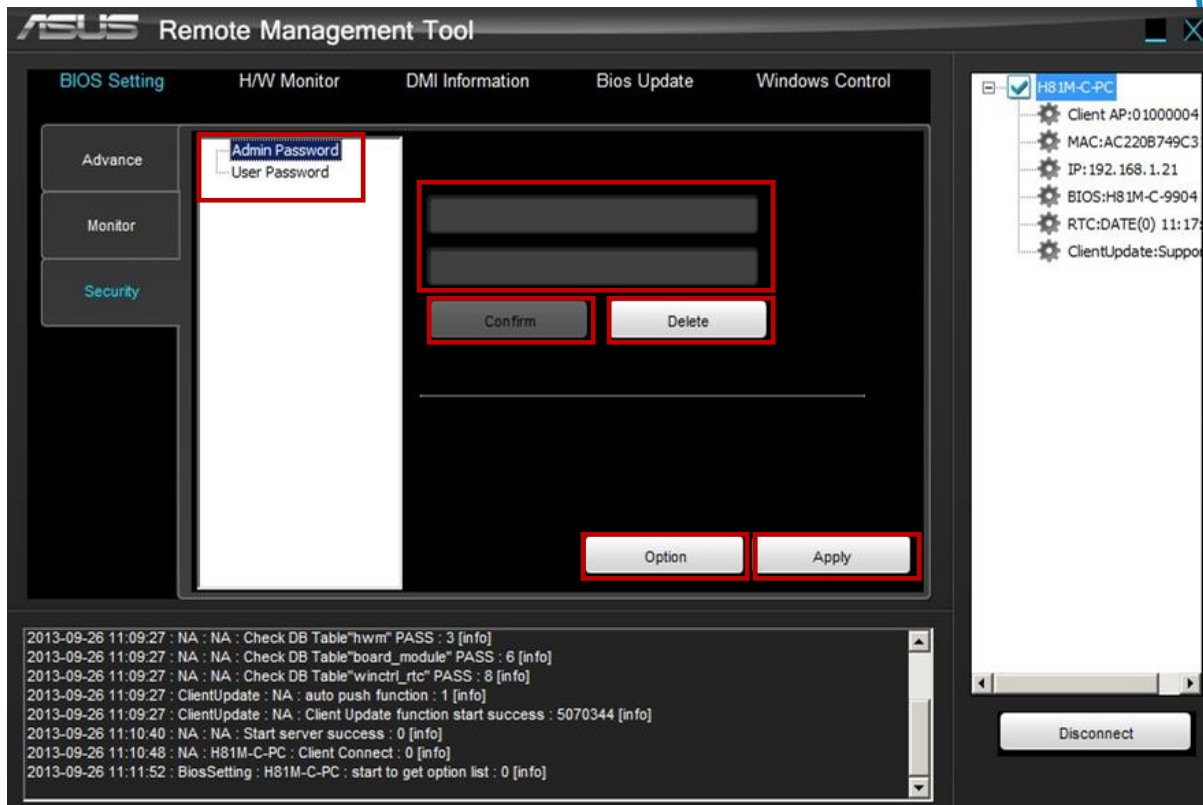

Figure 23: BIOS Settings Security Menu

If removing a password, enter the password used to access BIOS, confirm it below and press **'Delete'** then **'Apply'**.

H/W Monitor

The **'H/W Monitor'** (Hardware Monitor) displays a number of different things such as temperatures and fan speeds. To correctly display this information, click on **'Add'** so that the client which is being controlled can be added to the list and monitored. Clicking **'Remove'** will remove the data provided for the chosen client. If there are any readings which are incorrect, for example the maximum speed for the CPU fan has been exceeded, that particular reading will be highlighted.

Figure 24: Hardware Monitor displaying client readings

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DMI Information

The DMI Information section is blank until you load information relating to the client being controlled.
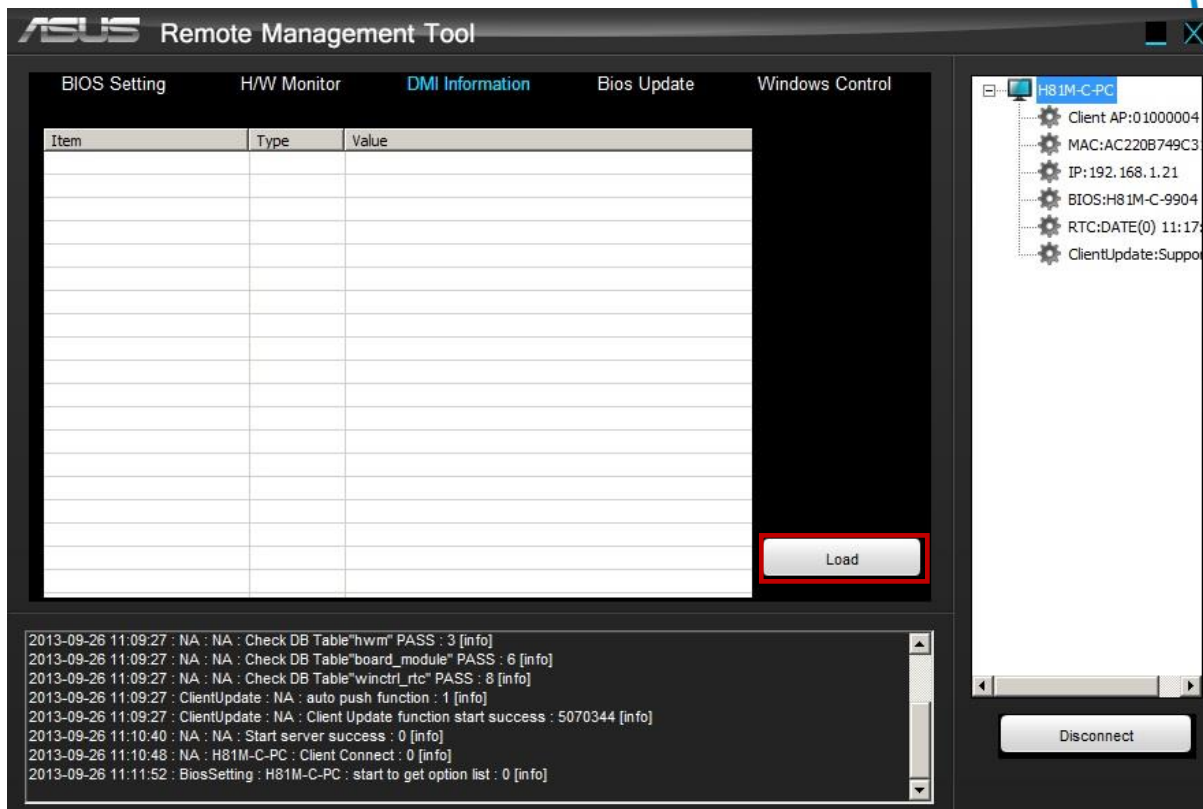

Figure 25: DMI Information not yet loaded

To load client information press **'Load'**. This will then display DMI information for the chosen client. To get information for another client, select that client from the client list on right hand side of the screen. Fields shaded in white can be edited. To edit a specific field, select that field, type in the information and press **'Enter'** on the keyboard, you must press enter to save changes.
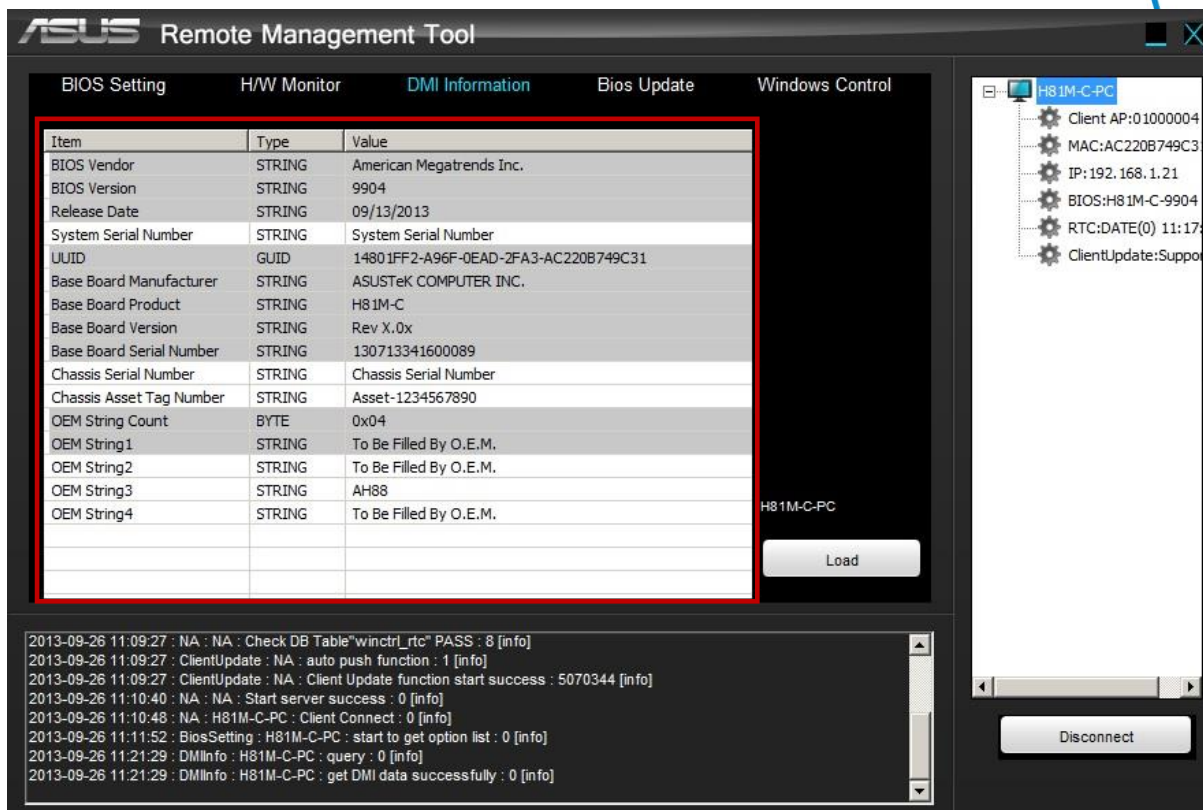
Figure 26: DMI Information client loaded

Note: This function only displays information for one client at a time and only fields shaded in white can be edited.

BIOS Update

A BIOS update can be performed on a maximum of 30 clients at the same time. All clients being updated must share the same BIOS. Clients that do not share the same BIOS cannot be updated at the same time. If you choose incorrect BIOS the Viglen RMT will prohibit you from updating the BIOS by not loading any clients.

In order to update the BIOS on a client, press the button containing the **'three dots (browse button)'** to select the desired BIOS. The file path will then appear.

To get the list of clients that will accept that BIOS, press **'Get Clients'**. If the BIOS you are choosing to flash is an upgrade, client list should appear. If BIOS is a downgrade or the same version, check **'Forced Update'** before pressing **'Get Clients'**. If no clients appear after these steps the chosen BIOS will not be accepted by the any of the clients.
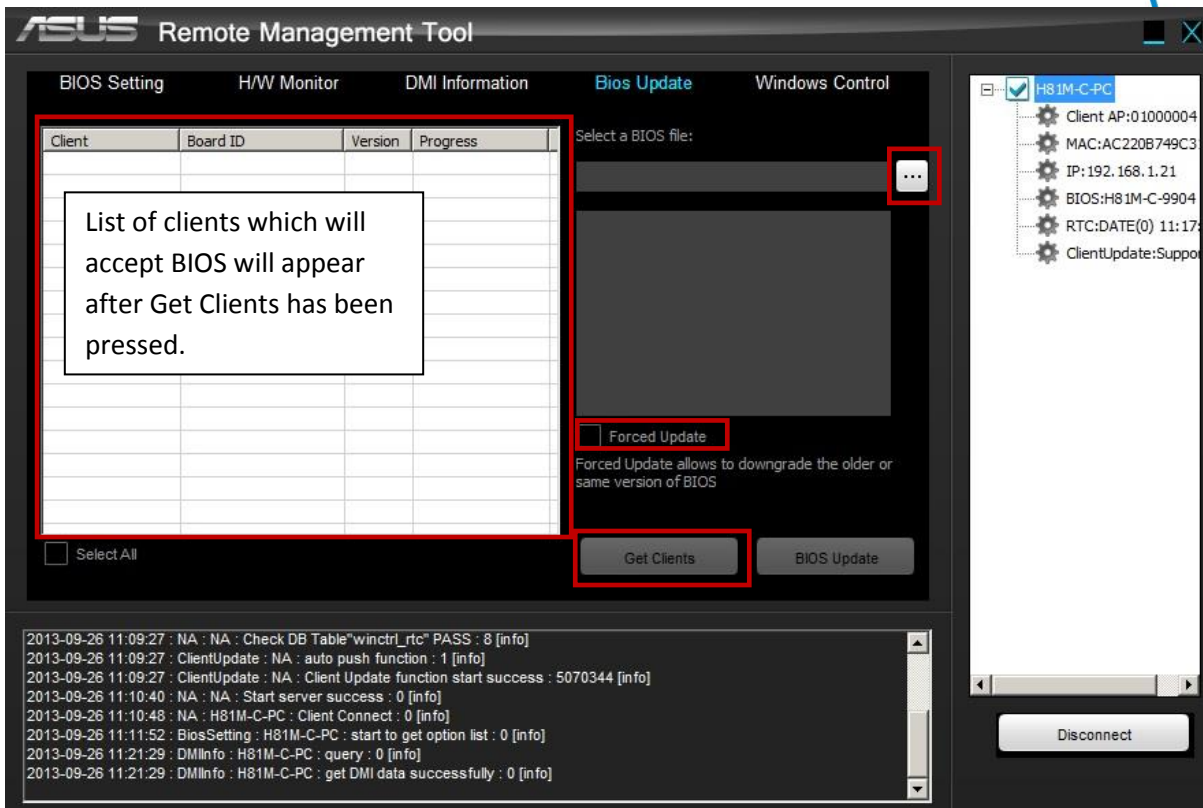
Figure 27: BIOS Update not loaded screen

When the list of clients has appeared you can check and uncheck clients to determine which clients receive the BIOS, you can check **'Select All'** which will check all clients to be flashed.

When clients have been chosen press **'BIOS Update'**, the process will then start and progress will be shown. Client will restart automatically during update process. When the client has loaded back into Windows, the BIOS has been flashed and the system is ready to be used normally.

Note: Multiple client BIOS update can only be applied to clients with same motherboard model or clients that share the same BIOS.

List of clients that will accept BIOS has appeared and client has been checked. Press BIOS Update to start process.
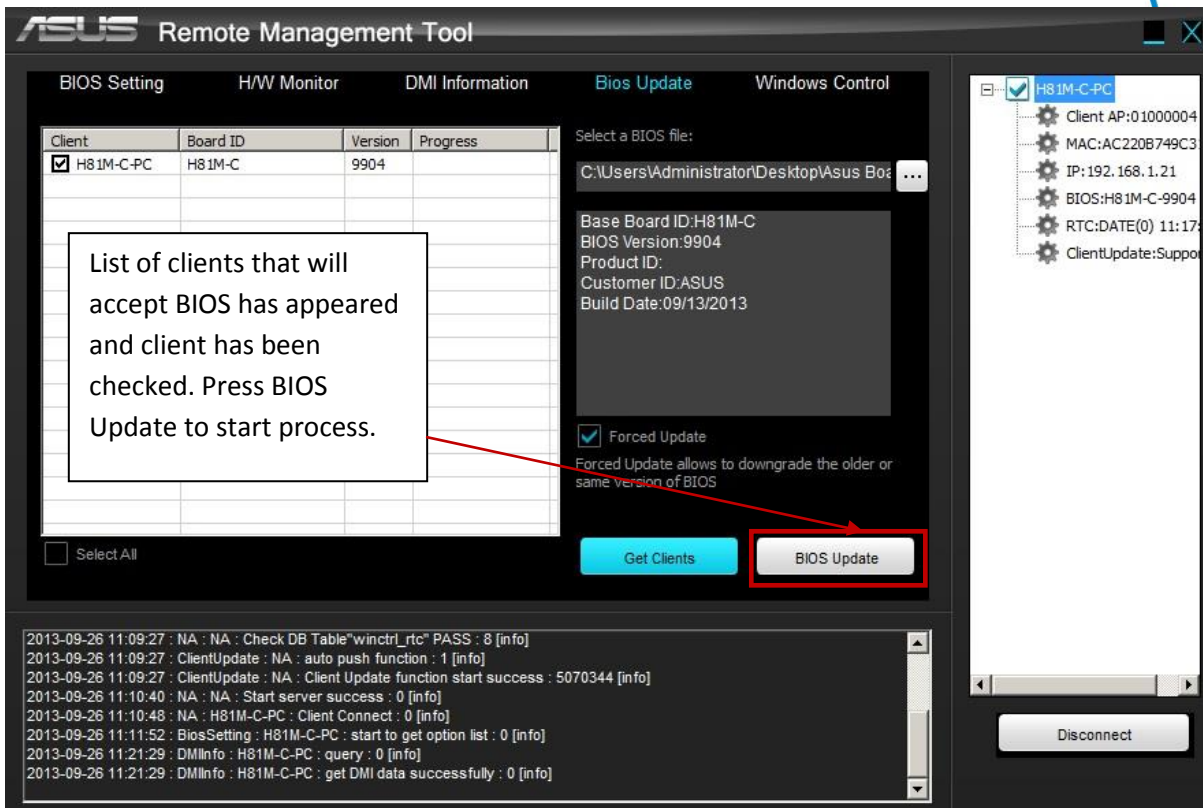
Figure 28: BIOS Update ready to be applied to client

Windows Control

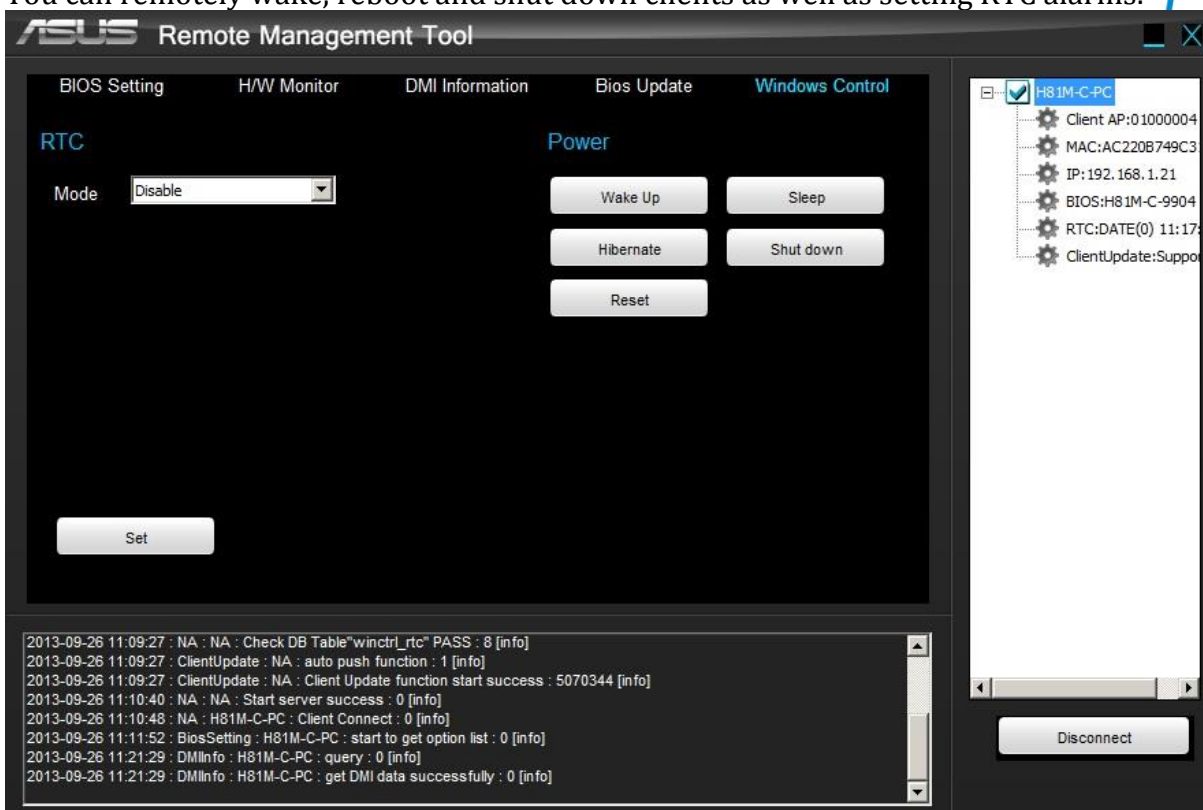You can remotely wake, reboot and shut down clients as well as setting RTC alarms.

Figure 29: Windows Control Menu screen

'RTC' lets you set an RTC alarm to wake the system. RTC can be set for a specific date or specific days in a week.

In **'Date'** mode select the specific date and time and press **'Set'** to set the RTC alarm.
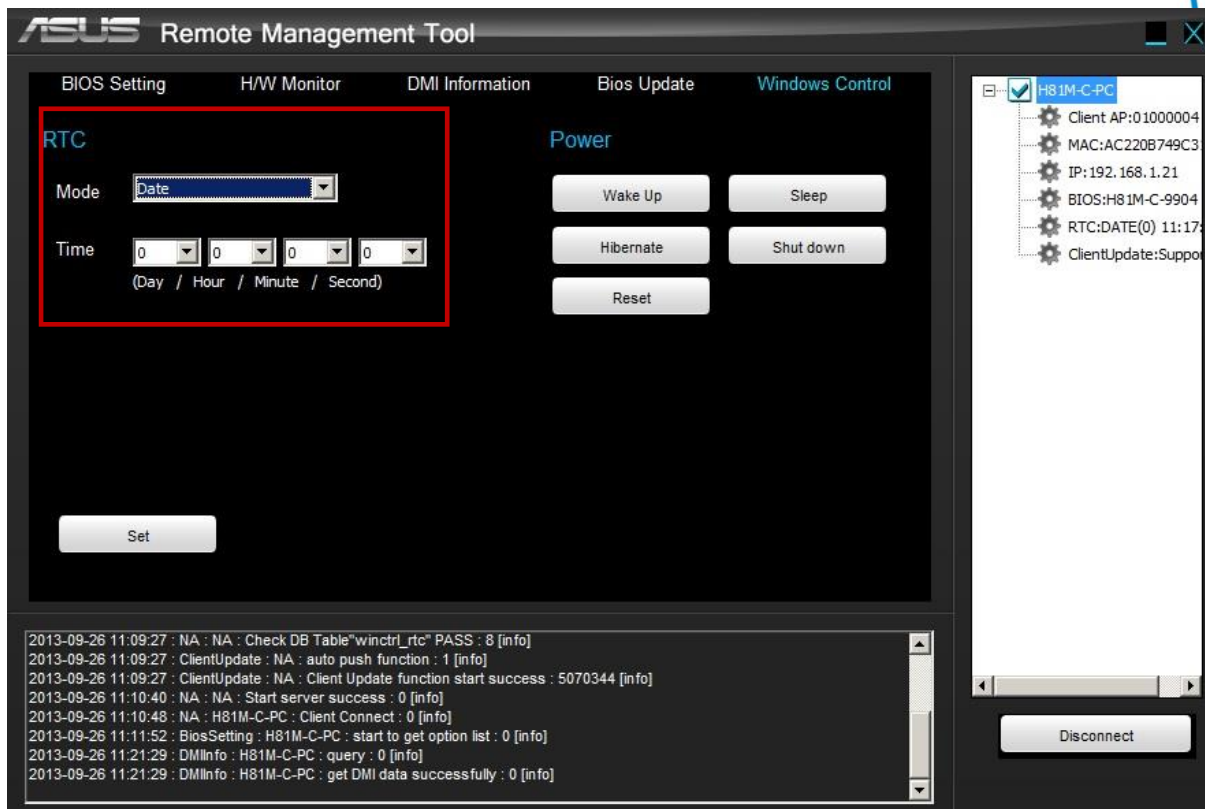

Figure 30: RTC Setting in Date Mode

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In **'Week'** mode select the specific days of the week by checking them and the specific time and press **'Set'** to set the RTC alarm.
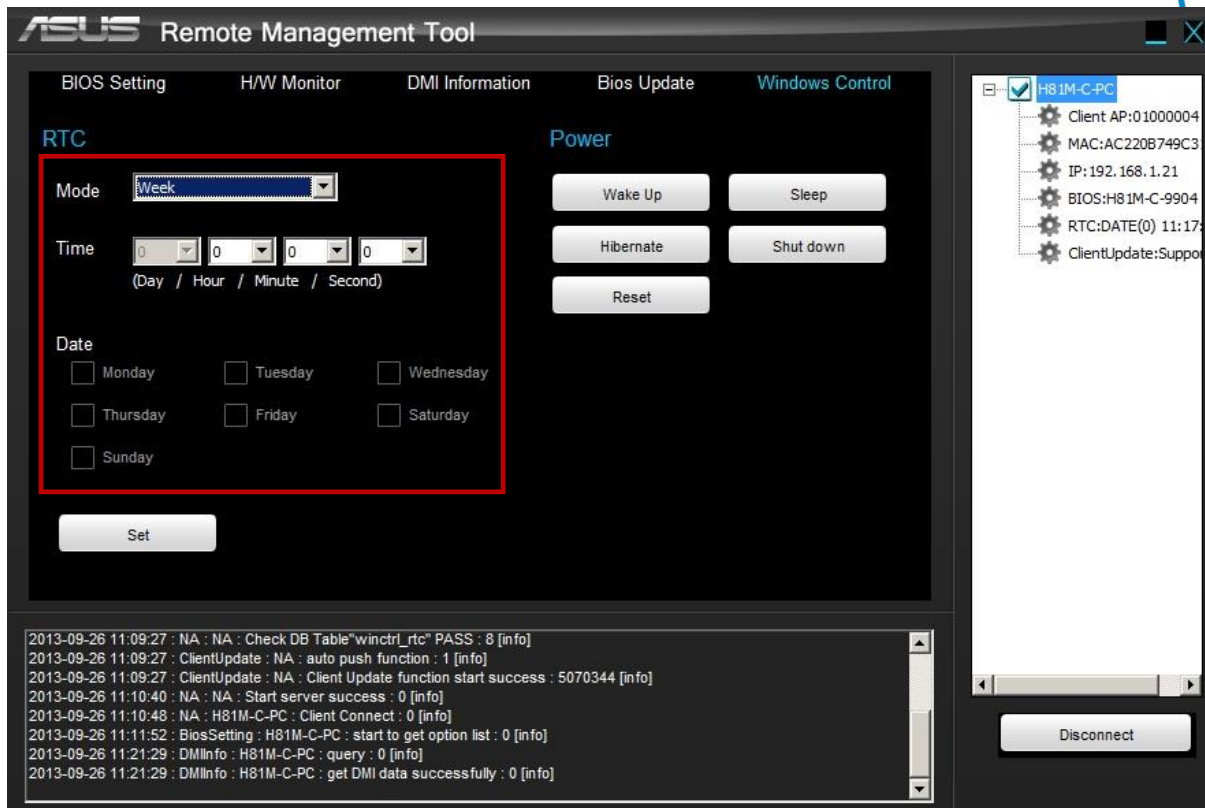

Figure 31: RTC Setting in Week Mode

Note: **'Power on by PCI-E/PCI'** in the BIOS must be enabled in order for RTC to function.

'**Power'** lets you shut down, reboot, wake up the system as well as putting it to sleep or hibernate. Press any of the buttons to perform the corresponding action.
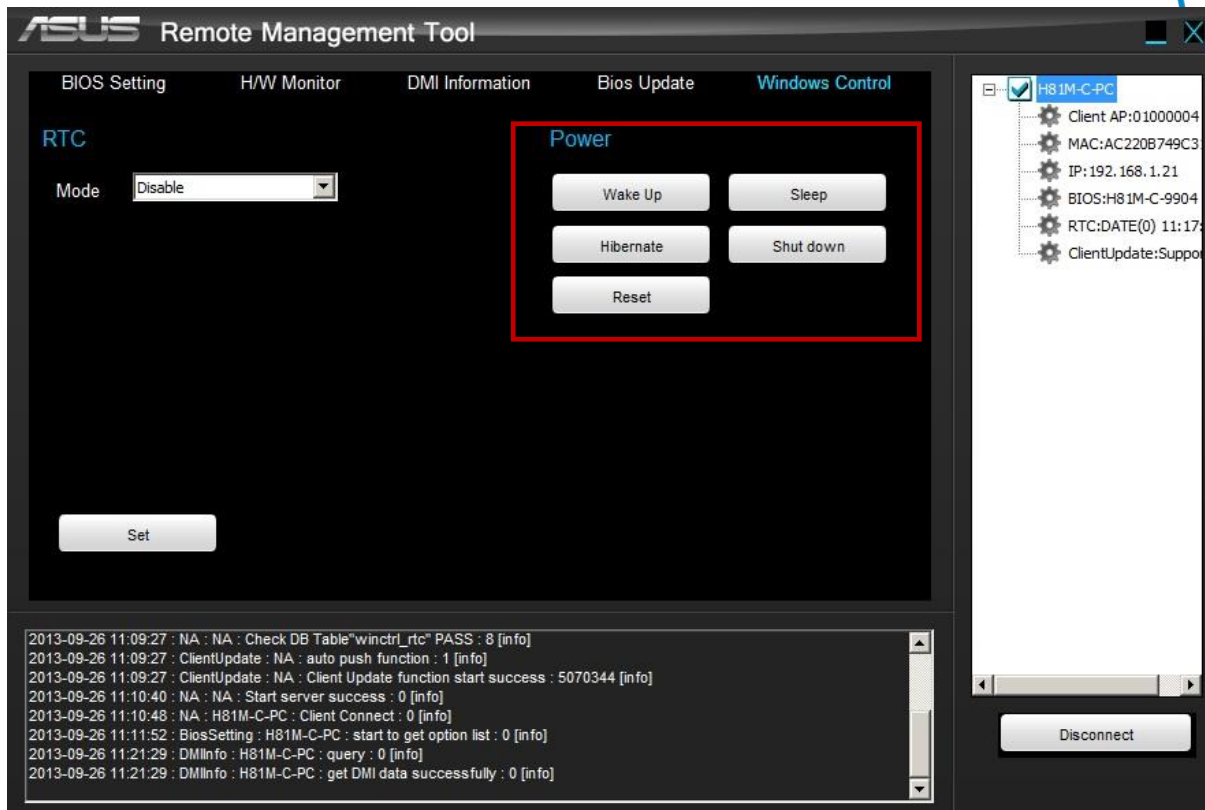

Figure 32: Remotely control client power options

Wake Up – start system from off, sleep or hibernate
Sleep – system enters sleep state
Hibernate – system enters hibernate state
Shut Down – turn off system
Reset – reboot the system