IP Admin Tool
User's Manual

U D P

Technology

Table of Contents

1. IP Admin Tool

IPAdminTool is a utility program for IP products. Following list shows a part of features that IPAdminTool provides.

- Configure IP address, subnetmask, gateway
- Shows network related information such as MAC address
- Updates firmware, webpage and UMC.cab (AcitiveX)

> **i**
> **Note**
>
> Note) Firmware version 437 or later *does not* include a webpage, therefore a default webpage or yours own webpage must be uploaded for HTTP-API (CGI command). Refer to "8. Updating firmware using Kernel16K472 or later".

IPAdminTool is provided with SDK at following SDK path.

{SDK root}\BIN\TOOLS\AdminTool\

1.1. Requirements

IPAdminTool needs Windows 2000^{TM}, Windows XP^{TM} or later Windows® operating system.
IPAdminToo.exe and ***IPAdminTool.dll*** must be in the same folder, otherwise an error message is shown as the following Figure 1.
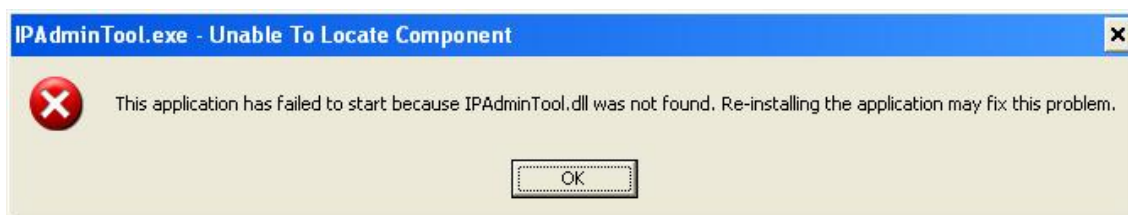

Figure 1. IPAdminTool.dll

Factory default ID and password

ID – root
PW – pass

2. Device Information

2.1. Scanning Devices

IPAdminTool scans IP products immediately when it starts. It re-scans network for keep updating IP products on the list in every 2 seconds. You can force scanning by pressing *Refresh* button.
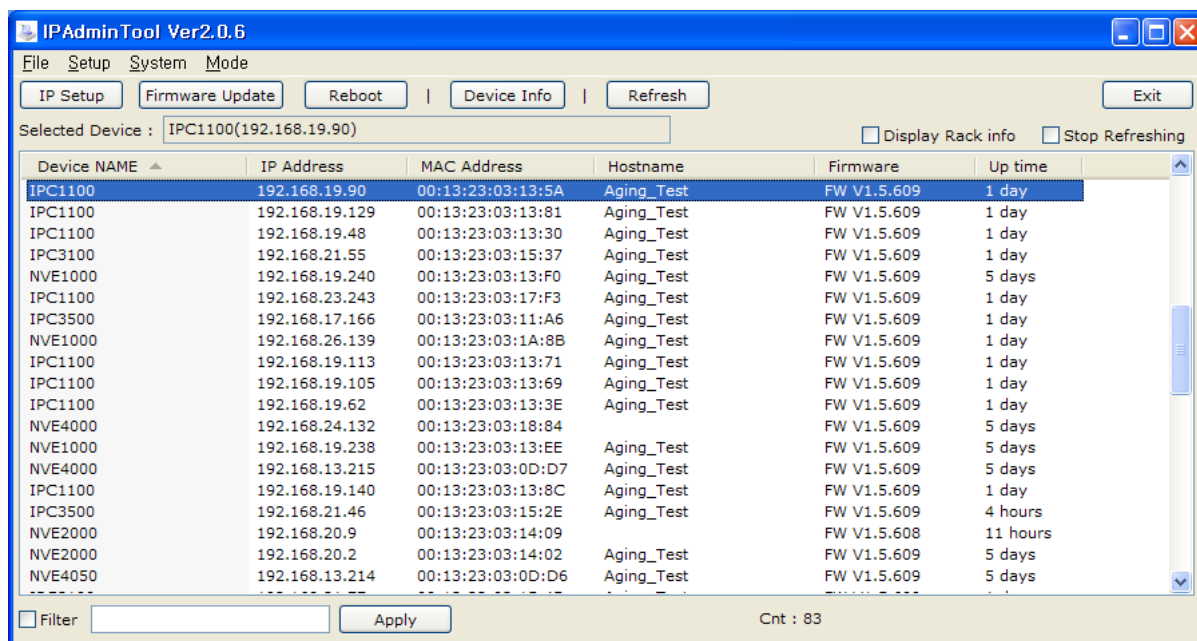

Figure 2. Scanning devices

⚠ Caution	If you use router or other similar devices, make sure your device support multicast. Otherwise IPAdminTool does not search all of NVE/IPC devises where is different class of your client PC due to NVE/IPC default subnet mask is 255.255.0.0.
ⓘ Note	If you want to stop to retrieve devices, check *Stop Refreshing*.

2.2. Add Device by entering the IP

Add Device by entering the IP is able to change NVE/IPC's IP address where is *not* in the intranet as following orders.
1. Click *System* in the menu bar
2. Click *Add Device by entering the IP*
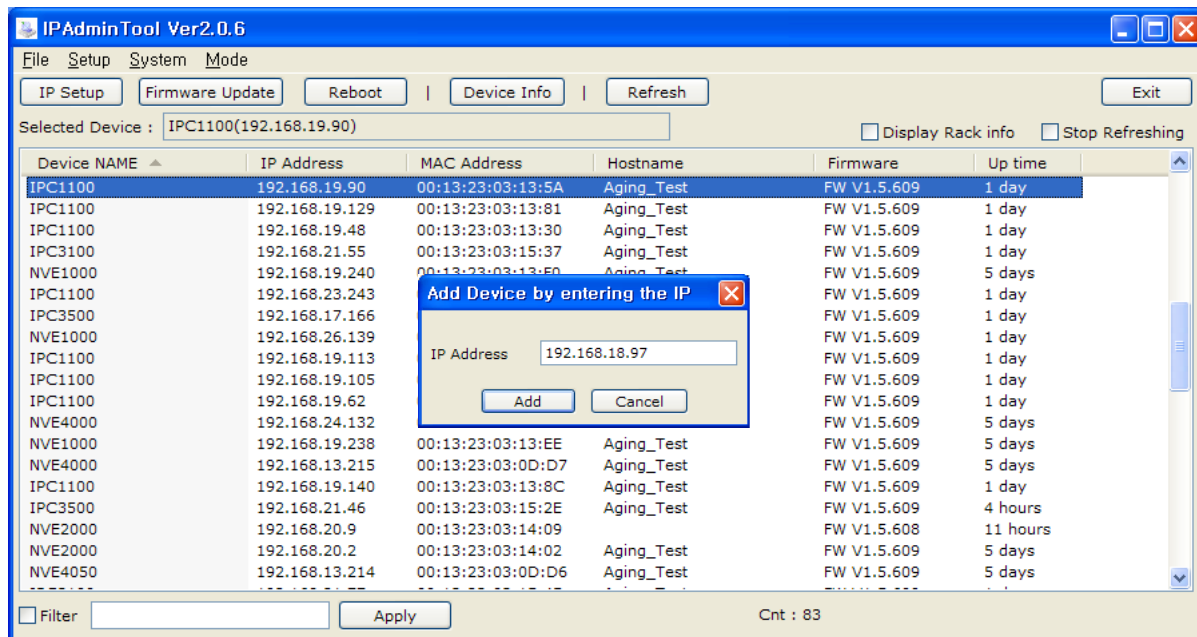3. Type NVE/IPC's IP address and press *Add* button

Figure 3. Add Device by entering the IP

2.3. IP Filtering

IPAdminTool has IP filtering function. It is helpful there are so many NVE/IPCs.
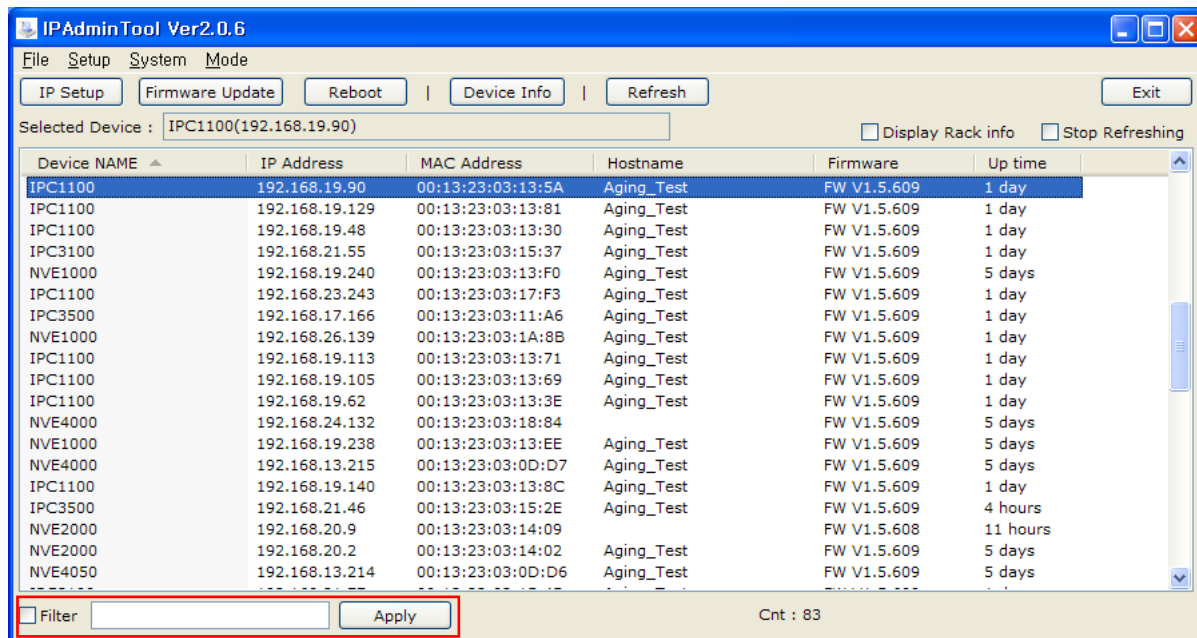You can simply type IP Address which you want to filter and then click *Apply* button or press *enter*

Figure 4. IP Filtering

2.4. Displaying RACK information

RACK type device as like NVE40K and NVE12K have two ID for identifying each Sub-Rack and each blade unit. If you check *Display Rack Info* and device is NVE4000R, RACK ID and Blade ID are displayed.
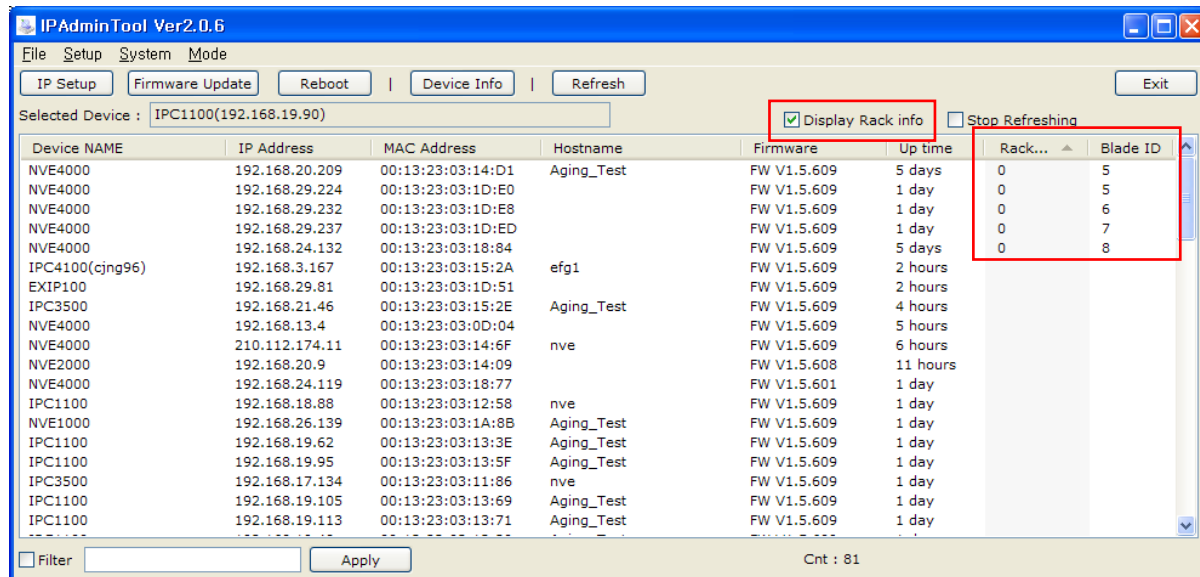

Figure 5. RACK Information

3. IP Setup

3.1. IP Setup

Click a device on the list and then press **IP Setup**. It shows **IP Setup** dialog as following Figure 6. Change the IP configuration regarding your network environment.

NOTE : IP setup requires the input of ID and password. The factory default is ID:root and PW:pass.
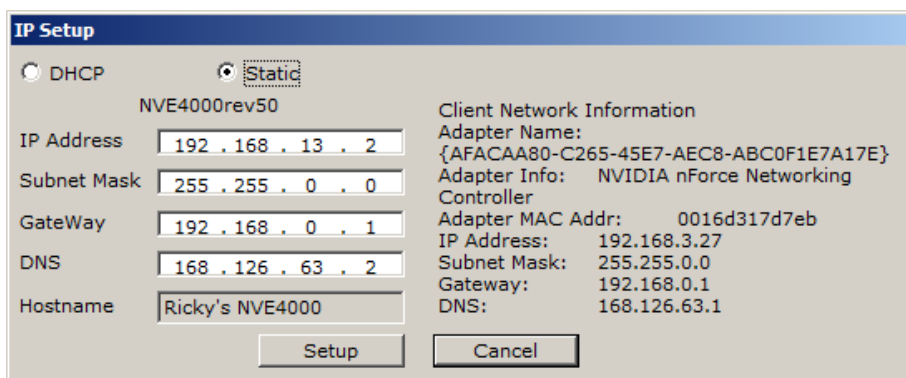

Figure 6. IP set up

⚠ **Caution** If the client system uses **Virtual Ethernet Adapter** for Virtualization Software such as **VMware**, IPAdminTool may show you wrong information of the NVE/IPC's IP address.

4. Uploading and Updating

4.1.Updating Firmware

This function is for updating the firmware of NVE/IPC. After selecting the firmware image file using **Browse** button and then click **Update** button for updating a new firmware.
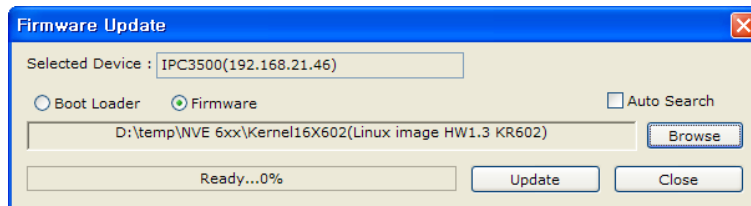

Figure 7. Firmware update

| ⚠ **Caution** | The uploading or update process requires some time for completion. Do not turn off the NVE system at least for 3 min until you see the message it gets done. |

4.2.Uploading ActiveX (UMC.cab)

ActiveX is provided by UMC.cab (UDP media component). IPAdminTool lets you upload ActiveX (UMC.cab).

Uploading AcitveX (UMC.cab)
You can upload ActiveX as following instruction:

1. Click one of NVE/IPC which you want to upload AcitveX.
2. Select *System → AciveX Upload*
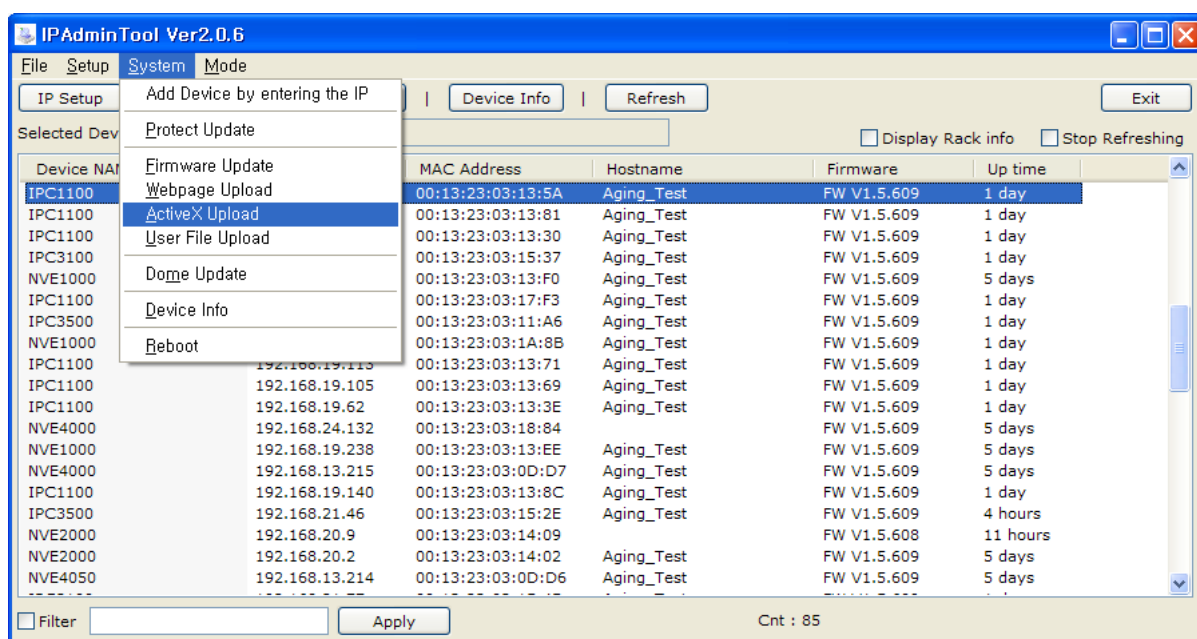3. Click *Browse* to choose the UMC.cab file
4. Click *Update* button.

Figure 8. Uploading ActiveX

Note

If you use IE 6.0 or later version, install the ActiveX control as following Figure 9.
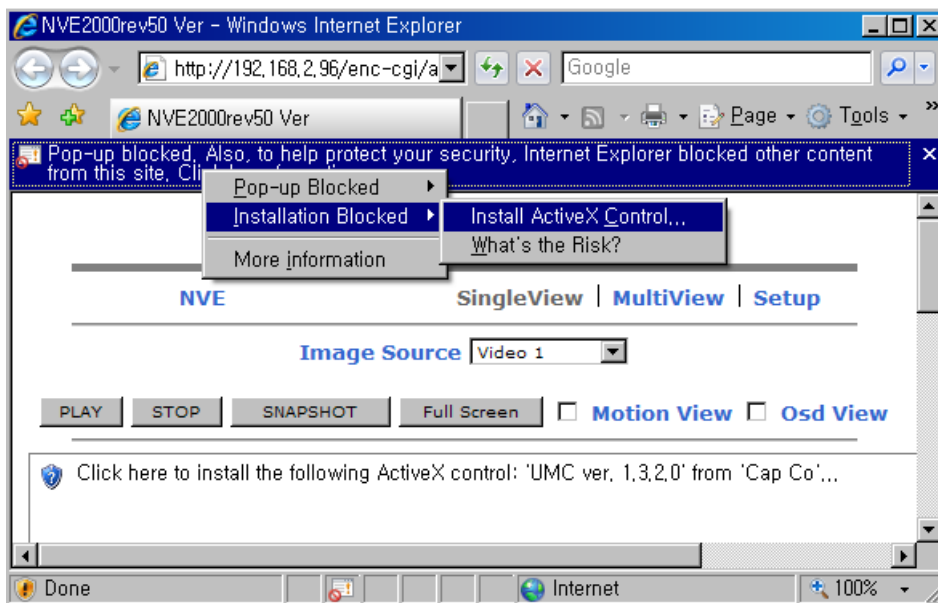
Figure 9. Installing ActiveX Control on IE 6.0 or later version.

If a user happens to face a pop-up dialog as Figure 10, please upload the latest ActiveX (UMC.cab) to NVE.
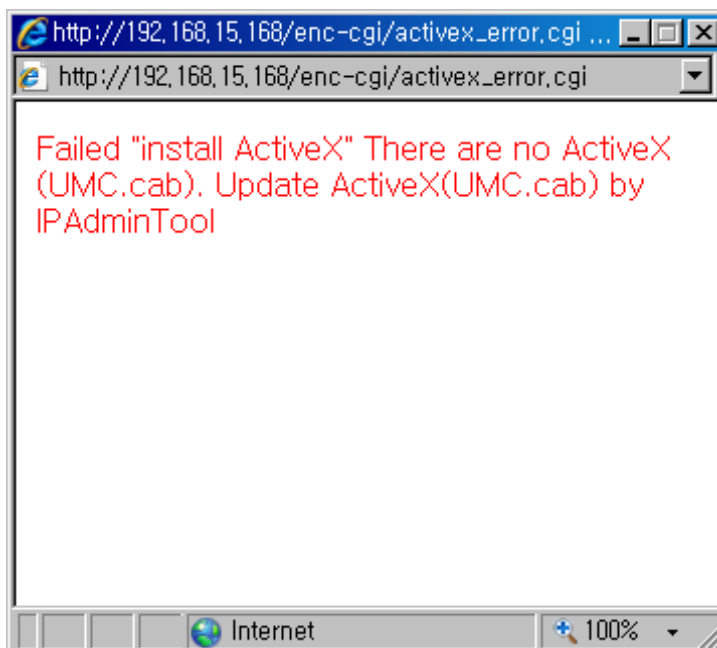

Figure 10. ActiveX does not exist on NVE.

⚠ **Caution** If the ActiveX version is lower in according to the firmware version, A web browser keeps asking you to upload the ActiveX.

4.3. Uploading Add-on application files

To upload add-on application files, select *System → User File Update… .*
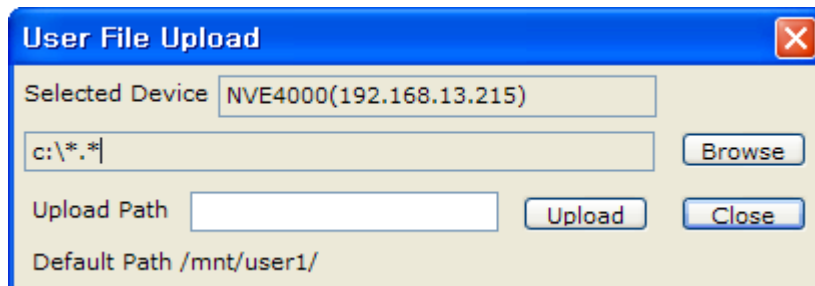

Figure 11. User File Update dialog.

The available paths for Add-on application are */mnt/user1*. If you specify other path, you will lose uploaded files after the rebooting of NVE.
IPAdminTool can only upload files. It cannot delete files uploaded. Connect NVE using telnet and delete Add-on application.

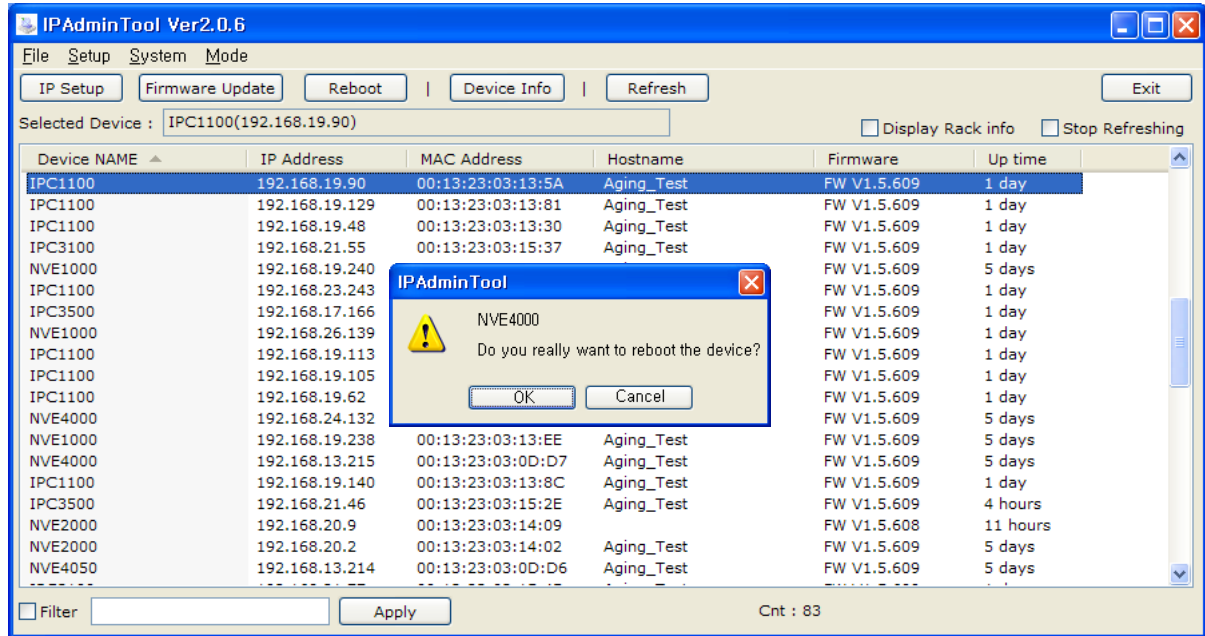# 5. Rebooting

Reboot function lets reboot NVE remotely.

Figure 12. Rebooting

6. Hostname

Hostname is an alias for a NVE/IPC so that one can distinguish one device from another. Nickname is empty by default.
You have to refresh information by clicking **Refresh** button after you changed Hostname.
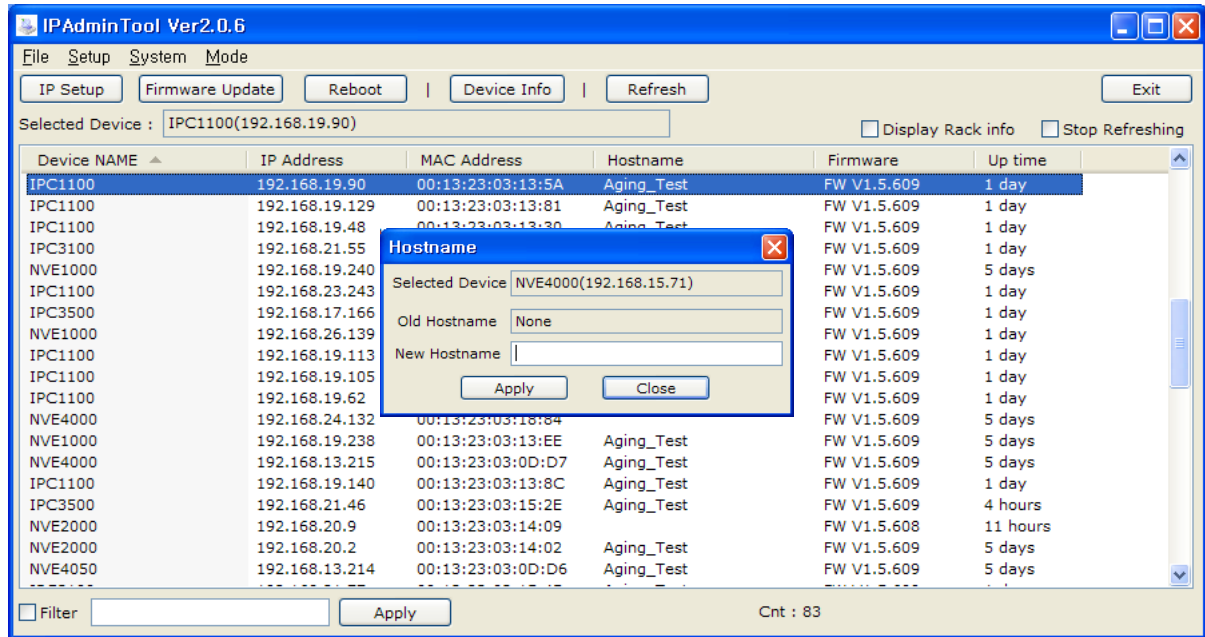
Select **Setup** -> Hostname at the menu.

Figure 13. Hostname

7. Customizing Web Pages

You can customize web pages of NVE/IPC for your own purpose. The firmware **Kernel16K472** or later version does not included webpage by itself. So please have a look at "**8. Updating firmware using Kernel16K472 or later**" if you are using this version of firmware.

7.1. Changing web page root

By default, web root is **\boawww**. If the web root path does not exist or the path contains invalid web pages, web pages of NVE is not displayed properly. Click NVE/IPC which you want to change and select **Config → Web Root** at menu. **Old Root** indicates the current web root path. Type a new web root path at the **New Root** edit box and click the **Apply** button. You have to select a folder under **/mnt/user1/** for example **/mnt/user1/test**. You have to refresh information by clicking **Refresh** button after you changed web root.
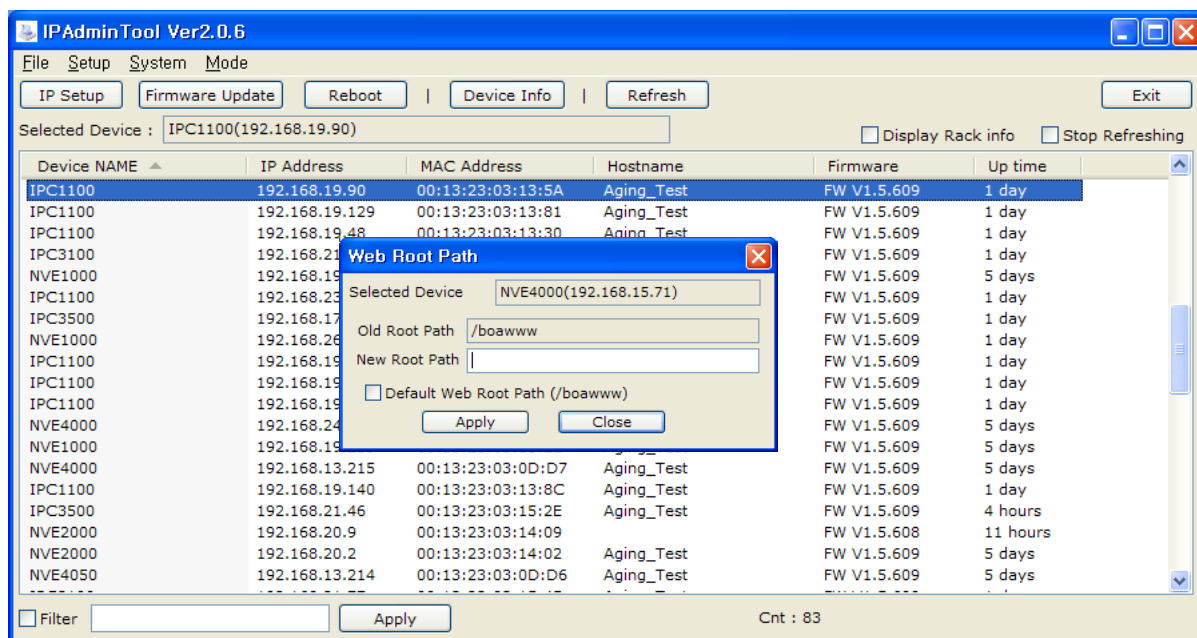

Figure 14. Changing web page root path

7.2. Updating and backing up web pages

You can backup web pages form the NVE to a client PC. When the web pages in the NVE are backed up, two backups are generated. The first one is tar file named ***backupxx.tar***. The second one is files with folder such the name of web root path (*\boawww*). The backup files and folder will be backed up under the path where IPAdminTool was executed. Select NVE/IPC which you want to change. Click ***System → Web Update...*** at the menu. ***Backup*** button backs up web pages in the NVE to a client PC.

You can upload customized web pages to the NVE. Which means you can alternate web page from the NVE default web page to your own web page.

Before uploading customized web pages, you have to configure web page root path first. Select NVE/IPC which you want to change. Click ***System → Web Update...*** at the menu. ***Update*** button uploads your own webpage to NVE.
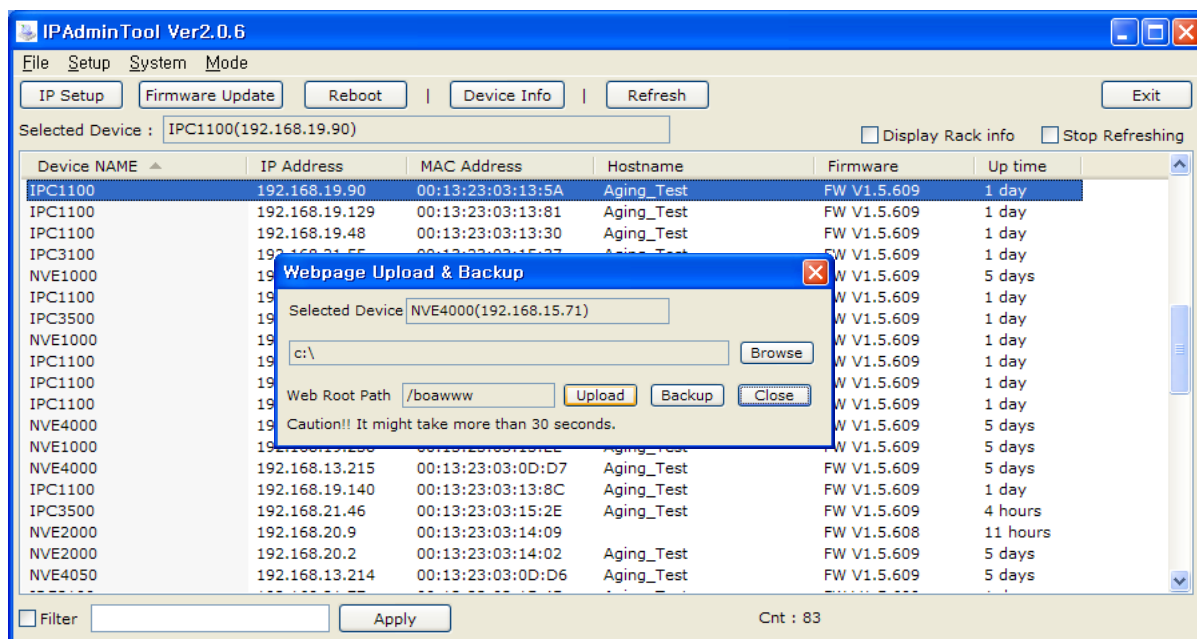

Figure 15. Updating and backing up web pages

8. Firmware Update

Refer to the Guidance for firmware update NVE IPC.pdf in the SDK.

Revision history

Revision	Date	History
A	2006-08-10	Created.
B	2006-09-05	Updated Firmware Upgrade
C	2006-09-27	Web root & Page Update/Backup
D	2006-11-08	Updated Auto Search Firmware
E	2006-12-26	Updated OCX Update, Customized Web Page, Firmware Update and User File Update
F	2007-01-29	New document format. Reviewed and corrected paragraphs. Added Uploading add-on application.
G	2007-08-07	Added 8. Updating firmware using Kernel16K472 or later. Revised screenshot and description in according to *Kernel16K472*.
H	2007-11-14	Added 9. Update device with K600 or higher
I	2008-12-01	Added 10. How to update multiple devices
J	2009-3-26	Deleted section 8.9.10.
K	2009-05-13	ID/PW information is added