

TN0092E [NVE] How to Update the customized webpage and the brandfile with Protection Model.doc

Applies to: NVE
Level: Public

Summary

This document will show you how to update the customized webpage and the brand file with protection model.

Requirements

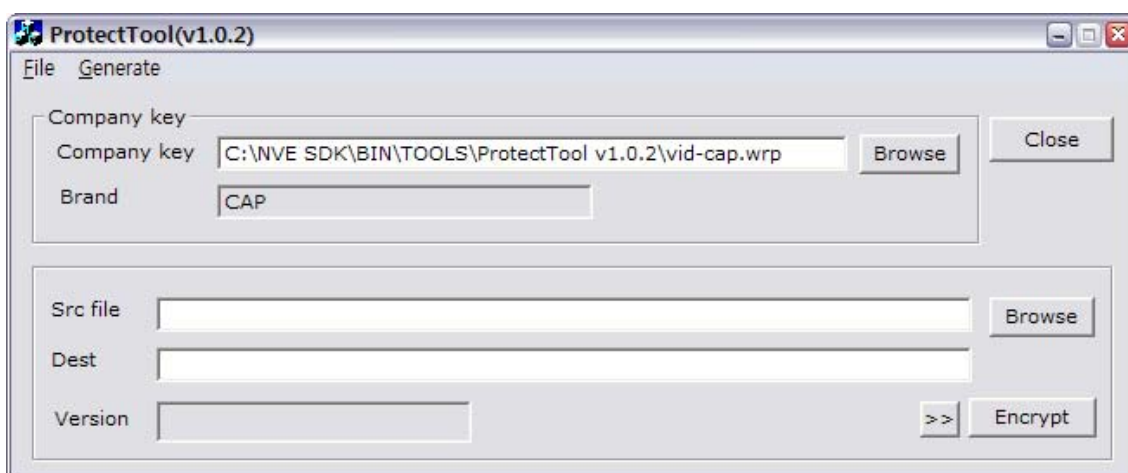
IPAdminTool : V2.0.0 or later


Detailed Information

In this document, we assume that your current firmware is 600 or later version (where the Protection Model was implemented).

If your current firmware is less than 600, update the firmware 600 in according to “TN0090E [NVE] How to Update the protection model firmware”

First, execute ProtectTool(ProtectTool.exe) for encrypting and packing the firmware.



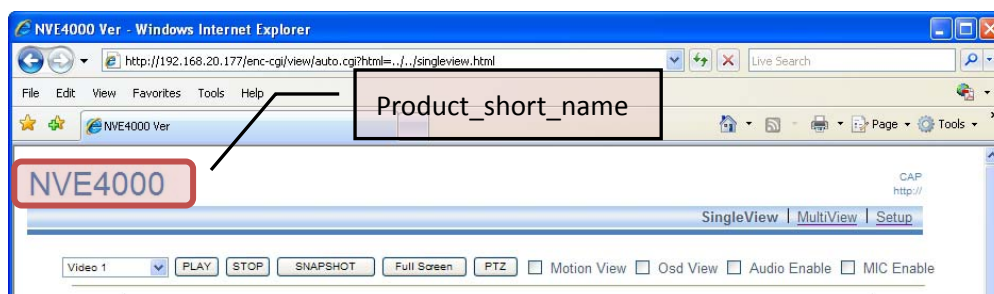
For the step 2 and step 3, you need to expand ProtectTool by clicking .

Step 1. What is a Brand file

The brand name or product names etc. on the webpage of NVE are changeable according to the user's requirement. We provide the *Brandfile* in `\BIN\FIRMWARE` and it enables user to edit the names. Open the file *brand-default.conf* and you can see all of NVE series products are listed and have their own default brand name.

Below is the example of NVE4000. You can edit the default names as you want. After you save the file, go to the Step 3 to encrypt and upload the file.

```
[nve4000]
brand_name      =CAP
product_full_name =NVE4000 Network Video Encoder
product_short_name =NVE4000
product_number  =4000
product_type    =Network Video Encoder
web_url         =http://
```



The default Webpage shows only *brand_name*, *product_short_name* and *web_rul* but you can add others in the webpage html files.

Step 2. Encrypting the customized Webpage

In this step, the webpage files are zipped into a file and is encrypted.

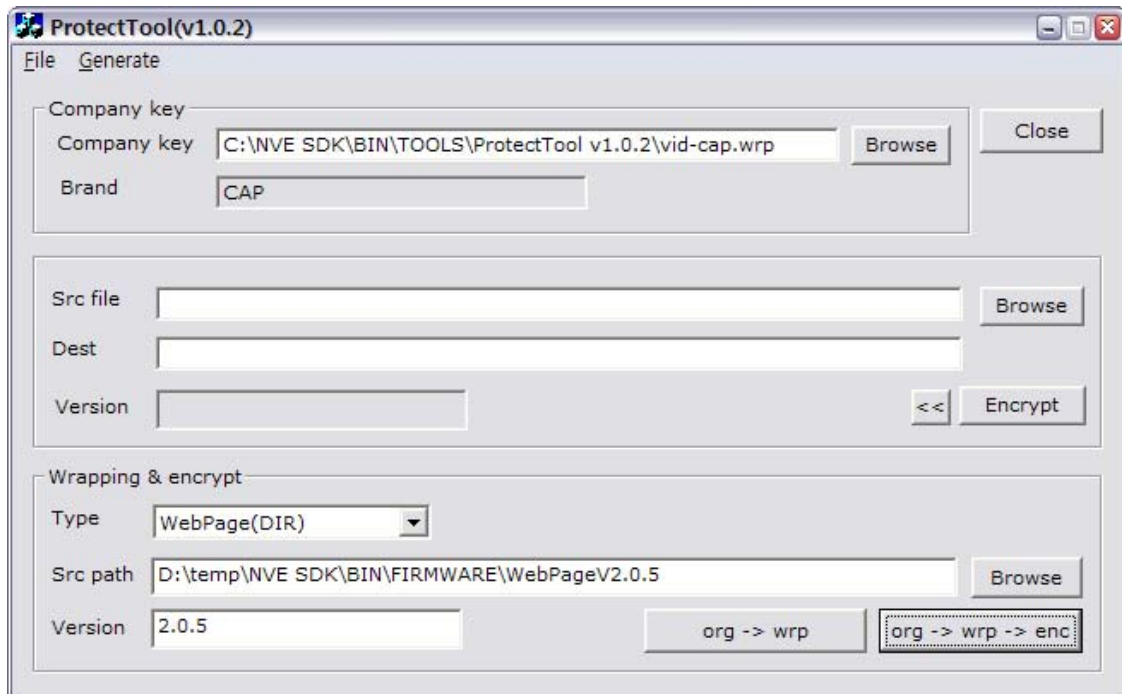
1. Select **Type** as **Webpage(DIR)**.
2. Select the customized webpage using **Browse**.
3. Type the webpage version. We will specify **2.0.5**.

Note : This version number is used for comparing the version between the current webpage in device and the webpage to be updated. If the webpage version to be updated is less than or equal to the current webpage version in the device, IPAdminTool won't update the webpage. If you want to update regardless of the version, update the firmware with checking **Force update** on in **IPAdminTool-> System->Protect Update**.

This version number is used for showing Webpage version of system information in webpage.

4. Click **Org** -> **wrp** -> **enc**.

Note : ProtectTool creates the encrypted file based on the folder name with “wrp-CAP” postfix. For example, WebPageV2.0.5.wrp-CAP.enc. The file will be place at the upper folder of the webpage folder.



Step 3. Encrypting the customized brandfile

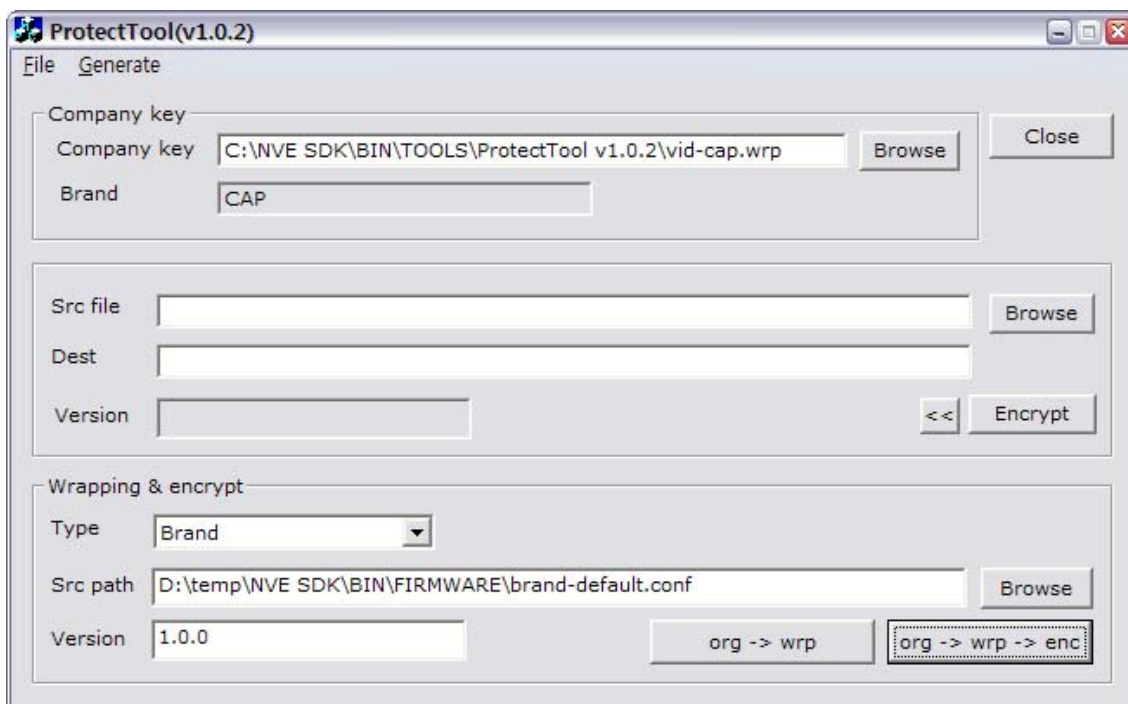
In this step, the brand file is converted to an intermediate file and is encrypted.

1. Select **Type** as **Brand**.
2. Select the customized brandfile using **Browse**. For example, brand-default.conf.
3. Type the version of brand file. We will specify **1.0.0**.

Note : The version number of brand file is also treated as that of a webpage. Refer to the note of Setp1.3.

4. Click **Org -> wrp -> enc**.

Note : ProtectTool creates the encrypted file based on the brand file name with “wrp-CAP” postfix. For example, brand-default.conf. wrp-CAP.enc. The file will be place at the same folder where the brand file exists.



Step 4 packing the firmware

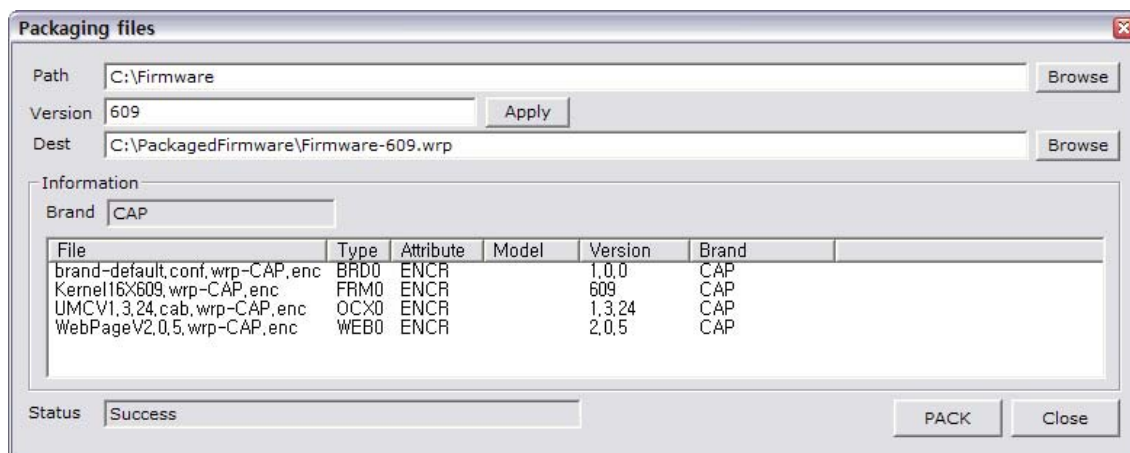
In **Step 1** and **Step 2**, we created the encrypted files. In this step, we pack those files into one package file.

1. Make a new folder (e.g. C:\Firmware) for the package firmware.

2. Copy the four encrypted files to the folder we just created.

- WebPageV2.0.5.wrp-CAP.enc : Customized webpage
- brand-default.conf. wrp-CAP.enc : Customized brand file.
- Kernel16X609.wrp-CAP.enc : Kernel
- UMCV1.3.24.cab.wrp-CAP.enc : OCX(ActiveX)

3. Click the **ProtectTool->Generate->Packaging files**.



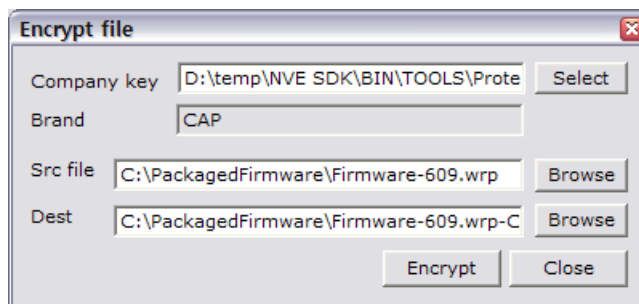
4. Type the version and Click **Apply**. We used the kernel version for the package version (609).

5. Select the destination folder and the file name.

Note : The file extension of a package file is “.pkg”. A package file is placed at destination, **Dest**.

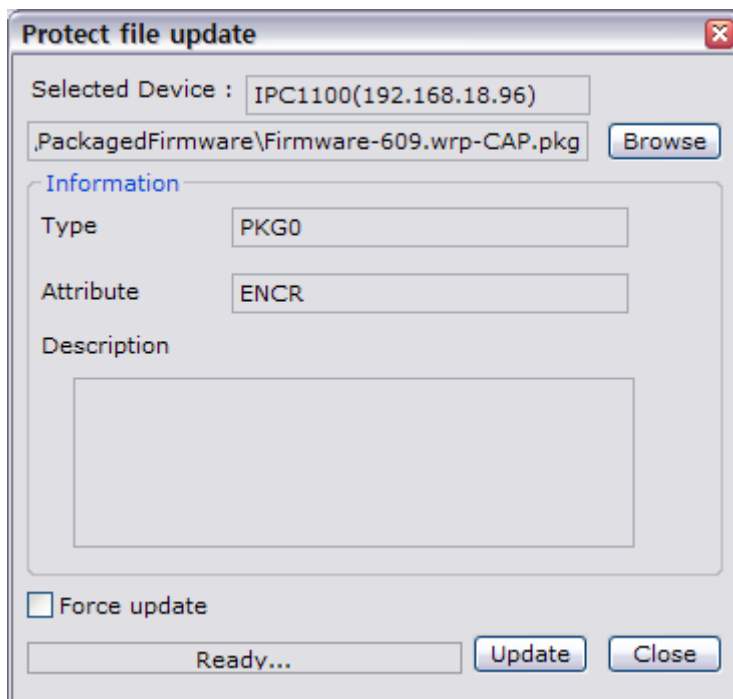
6. Click **Pack** and you can see the **Encrypt file** dialog box.

7. Click **Encrypt**.



Step 5. Updating the encrypted package firmware

1. Execute IPAdminTool.
2. Updated the encrypted Package file created in **Step 3** using **IPAdminTool-> System->Protect Update**.



Note : The package may contain several components. IPAdminTool compares the version of each component with the current version in the device before updating the package firmware. If the version of component is less than or equal to the current version in a device, updating it is skipped. If you want to update regardless with the version, check **Force update** on.

3. Reboot the device.

Now firmware update with customized Webpage and the brand name is finished.

Step 6. Checking the firmware version

You can verify the version of updated components through **Webpage->Setup->System->System Information**.

The screenshot displays the IPC1100 web interface. At the top left, the title 'IPC1100' is shown. At the top right, there is a 'CAP' label and a partially visible 'http://' URL. Below the title bar, there are navigation links for 'SingleView', 'MultiView', and 'Setup'. On the left side, a vertical menu contains several options: 'Video', 'Audio', 'Network', 'Event', 'Record', 'System' (expanded), 'System Date', 'System Update', 'User Management', 'System Information' (selected with a right-pointing arrow), 'Reboot', and 'IO'. The main content area on the right is titled 'IPC1100 Information' and contains two tables. The first table, 'IPC1100 Information', lists MAC, TIME, and PTZ Mode. The second table, 'Version Information', lists Bootloader, Firmware, Webpage, OCX, and Dome firmware.

IPC1100 Information	
MAC	00:13:23:03:12:60
TIME	2007-11-20 08:41:04
PTZ Mode :	custom02

Version Information	
Bootloader	U-Boot 1.0.jb16M.15
Firmware	FW V1.5.609
Webpage	2.0.6
OCX	1.3.24
Dome firmware	

The version number of brand file is not shown.

Revision History

Rev.	Date	History
A	2007-11-20	Created
B	2008-11-21	'What is Brand file' is added