PowerTerm® WebConnect

Version 5.6
Upgrade Instructions
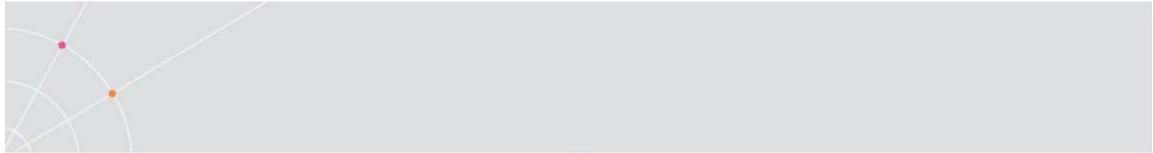
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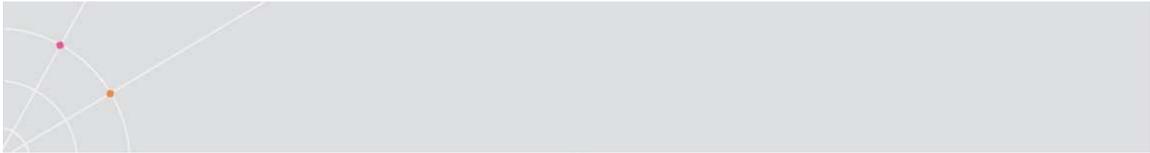
About this Document

These Upgrade Instructions are an excerpt from PowerTerm WebConnect Administrator's Manual. It reflects the entire chapter on how to upgrade your PowerTerm WebConnect to a newer version.
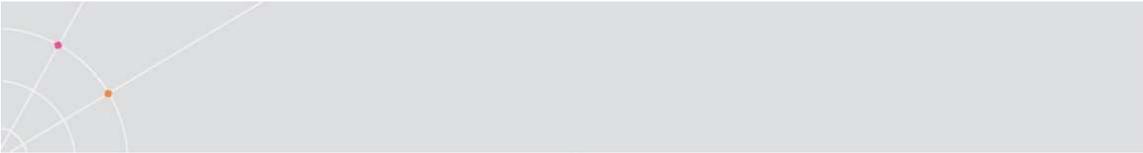
19. Upgrade Instructions

You can upgrade a PowerTerm WebConnect installation to the current version, and modify your license (if necessary), without losing existing settings and configuration.

NOTE	In order to follow the instructions provided in this chapter, you must have administrative privileges for the computer on which you are installing PowerTerm WebConnect, as well as being an administrator of the existing PowerTerm WebConnect installation.
NOTE	If PowerTerm WebConnect Server and the Web server components are installed on separate machines, you will also need to install a new version of the Web server on the Web server machine.

19.1. Backup the Previous Installation

It is highly recommended that you backup the existing PowerTerm WebConnect installation before proceeding to install the new version. Before performing a backup of PowerTerm WebConnect files, it is recommended that the PowerTerm WebConnect server be stopped. This is in order to prevent making modifications to the database while the backup is in process. Also, some backup software requires exclusive access to the data being backed up. For instructions on stopping the PowerTerm WebConnect server see chapters **Error! Reference source not found.** and **Error! Reference source not found.**.

The PowerTerm WebConnect **Windows** edition default installation file locations are:

- WebConnect 5.1 and higher
  All the files are located under C:\Program Files\Ericom Software\WebConnect 5.x

- WebConnect before 5.1
  Server side: C:\Program Files\Ericom Software\WebConnect 4.x
  Client side: C:\InetPub\wwwroot\Ericom\WebConnect4.x

PowerTerm WebConnect **Linux** edition Database can be backed up either manually or automatically. (For Ubuntu only manually.)

- For manual backup:
  Backup folder /opt/WebConnect5.x/DataBase/

- For automatic backup:
  The backup is done during uninstall. The Database will automatically be transferred to the folder /opt/WebConnect5.x/OldDataBase/OLD1

19.2. Upgrade PowerTerm WebConnect Windows

To install a new version without losing previous settings:

1. Follow the instructions of the installation program. You will be asked to confirm the configuration file:
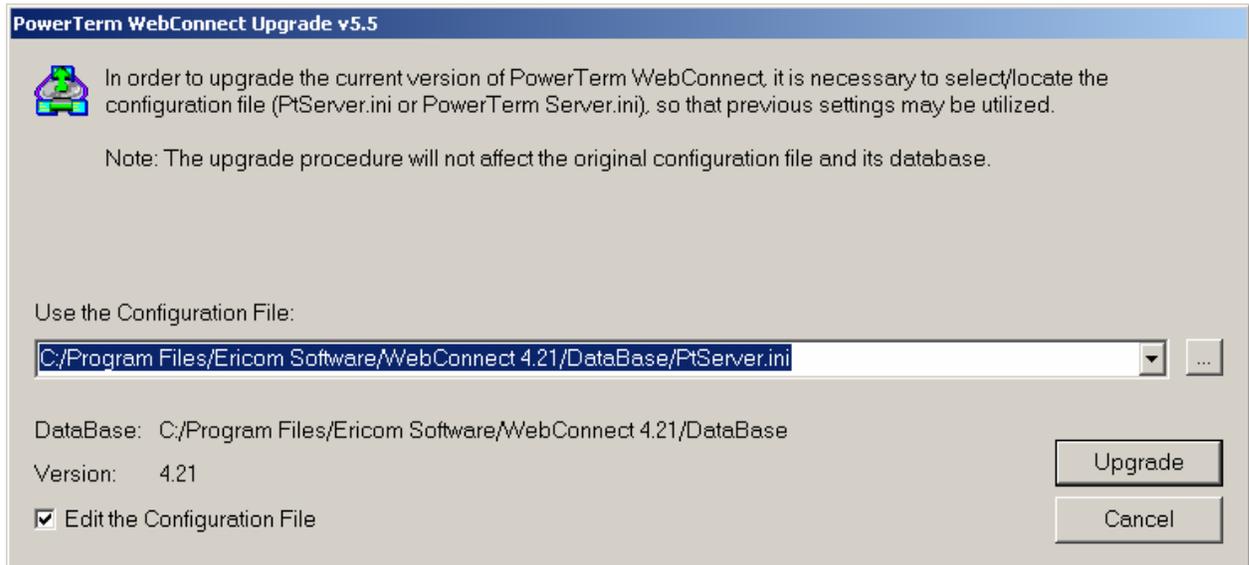
2. Verify the PtServer.ini file location.

3. Select the Edit option if you wish to edit the Configuration file.

4. Click Upgrade. The installation continues and the PowerTerm WebConnect Server icon will appear in the system tray.

To install from an earlier version than WebConnect 4.22:

1. Follow step 1 through 4 in the previous section.

2. Click Yes to link existing PowerTerm WebConnect Users to User Objects on the network.

3. In the Console window that appears, press <Return> to use all available Active Directory domains, or type in the path to the Active Directory Root.

4. Click Yes to use the Network Password Authentication.

5. Select the correct path if there are more than one option:

```
C:\Program Files\Ericom Software\WebConnect 5.5\bin\PtADsUser.exe                        _ □ ×
r Dray,OU=USA,OU=Domain Users,DC=ericom,DC=local
5727.            CN=Tami Golan                user            LDAP://CN=Tami
 Golan,OU=USA,OU=Domain Users,DC=ericom,DC=local
5728.            CN=Tracey Ciliberti          user            LDAP://CN=Trac
ey Ciliberti,OU=USA,OU=Domain Users,DC=ericom,DC=local
5729.       OU=External Contacts        organizationalUnit  LDAP://OU=External
 Contacts,DC=ericom,DC=local
5730.       OU=External Kerberos Users   organizationalUnit  LDAP://OU=External
 Kerberos Users,DC=ericom,DC=local
5731.           CN=400.ericom.local          user            LDAP://CN=400.er
icom.local,OU=External Kerberos Users,DC=ericom,DC=local
5732.           CN=root                      user            LDAP://CN=root,O
U=External Kerberos Users,DC=ericom,DC=local
5733.   IIS:                         Namespace          IIS:

Writing to file 'ADsUser - ADs=.txt'...
5418 users found in 'ADs:'.
1. User 'Administrator' not found in AD
2. User 'Example' linked AUTOMATICALY to 'WinNT://ERICOM2K3/example'
2 users named 'Guest' were found in AD:

        1. WinNT://ERICOM2K3/Guest
        2. WinNT://TEST/Guest

Please choose the right path (0 .. 2):
```

6. Click Yes when prompted to upgrade the configuration file.

7. Type Exit to proceed with the PowerTerm WebConnect Upgrade Installation, or enter an additional Activate Directory domain to be defined:


```
C:\Program Files\Ericom Software\WebConnect 5.5\bin\PtADsUser.exe                        _ □ ×
5731.           CN=400.ericom.local          user            LDAP://CN=400.er
icom.local,OU=External Kerberos Users,DC=ericom,DC=local
5732.           CN=root                      user            LDAP://CN=root,O
U=External Kerberos Users,DC=ericom,DC=local
5733.   IIS:                         Namespace          IIS:

Writing to file 'ADsUser - ADs=.txt'...
5418 users found in 'ADs:'.
1. User 'Administrator' not found in AD
2. User 'Example' linked AUTOMATICALY to 'WinNT://ERICOM2K3/example'
2 users named 'Guest' were found in AD:

        1. WinNT://ERICOM2K3/Guest
        2. WinNT://TEST/Guest

Please choose the right path (0 .. 2): 1
3. User 'Guest' linked MANUALLY to 'WinNT://ERICOM2K3/Guest'

Done!

Enter another AD root
        Press <RETURN> for default,
        type FILE to use the values specified in the PtServer.ini
        type EXIT to terminate
===>
```

The installation continues and the PowerTerm WebConnect Server icon will appear in the system tray.

19.3. Upgrade PowerTerm WebConnect Linux

1. Install the new PowerTerm WebConnect version (see above).
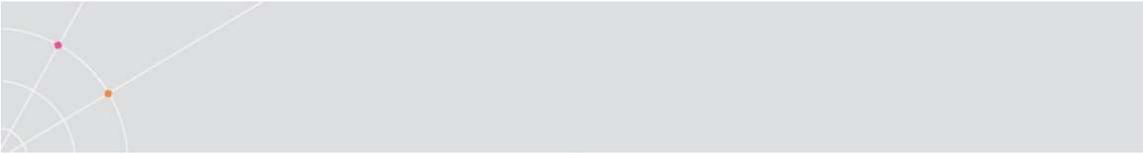
2. Run the command /opt/WebConnect5.6/bin/wcctl –upgrade

3. Press 'Y' when prompted "Do you want to upgrade from older versions?"

4. Input the path to PtServer.ini from the older version (/opt/WebConnect5.x/OldDataBase/OLD1/PtServer.ini). At the end of the process the message "Upgrade was finished successfully" is displayed.

19.4. Update Product License

License modification is typically applicable when:

- Extending demo version.

- Converting demo version to real version.

- Modifying the number of license seats.

To modify the product license:

1. Browse to the PowerTerm WebConnect installation folder, select the bin folder and run PowerTerm WebConnect Server License Update.exe. Alternatively go to Start menu | Programs | Ericom Software | PowerTerm WebConnect X.xx and click PowerTerm Server License Update. The PowerTerm Server License Update dialog appears.

2. Send the contents of the Key to send to Ericom field to Ericom, specifying your request.

3. Upon receipt of the new key from Ericom, type it into the Key received from Ericom field.

4. Click Activate Key. The product license is updated.

5. Restart the PowerTerm WebConnect Server service.

19.5. HTML Files and PowerTerm WebConnect Client CAB File Locations

The new PowerTerm WebConnect 5.x HTML files are now located in the web subdirectory under the installation directory, as follows:

C:\Program Files\Ericom Software\WebConnect 5.x\web\

This directory is automatically mapped to a virtual directory on the local Web server. Files in this directory can be accessed from the browser by typing the following URL:

http://<server_name>/WebConnect5.x/ClientURLs.html

ClientURLs.html is a central location for launching the various PowerTerm WebConnect clients, and also serves as a base from which you can create your own customized HTML pages. A link to ClientsURLs.html is also created in the Start menu.
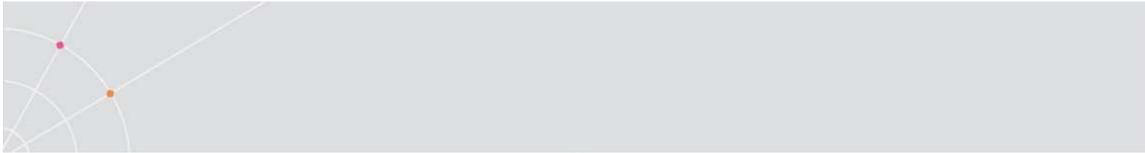
Before reviewing this example, it is important to understand that PowerTerm WebConnect's browser-based client activation mechanism has been changed significantly in version 5.1. For backward compatibility, the old client activation mechanism is still supported in version 5.1. For more details on activating clients from the browser, see chapters **Error! Reference source not found.** and **Error! Reference source not found.**.

If you decide to continue using the old client activation method, you will still need to update your HTML files because the GUIDs (Global Unique Identifier) of the Windows clients, such as PowerTerm WebConnect HostView (formally ActiveX) have changed. The new GUIDs are listed in section **Error! Reference source not found.**.

In addition, you will need to manually copy the CAB files containing the clients from the Downloads subdirectory under the WebConnect server installation directory to the web/windows directory. The installer does not place these files in the Web server's directory because the new download mechanism retrieves these files directly from the PowerTerm WebConnect server.

19.5.1. Translating Existing HTML Files to the New Format

The new client activation mechanism, as described in chapters **Error! Reference source not found.** and **Error! Reference source not found.**, uses the Windows Downloader or Java Downloader to start the activation processes. Both of these downloaders proceed to download and launch the PowerTerm WebConnect Agent. The Agent in turn downloads and launches the desired client. This is in contrast to the previous mechanism, which used the browser's built-in support for ActiveX controls to download and launch the clients directly. See chapter **Error! Reference source not found.** for the advantages of the new activation method.

The result of this change means that the HTML contains an <OBJECT> tag (or <APPLET> tag) referencing the Downloader rather than the actual client. The GUID of the Downloader is guaranteed to remain fixed in all future versions of PowerTerm WebConnect, so the HTML need not be changed in future upgrades.

Another change is that the arguments controlling the behavior of the clients are passed as command-line arguments using the Downloader's Parameter property, rather than using client methods activated by JavaScript. For the complete list of command-line arguments supported by the WebConnect clients, see chapter **Error! Reference source not found.**.

The following code snippet demonstrates the old method of activating clients applied to the new HostView:

```
<OBJECT ID=HostView

CLASSID="CLSID:BBC72F64-2AC3-4942-A8CD-B88857BB21C3"
CODEBASE="ptermX.CAB#Version=5,1,3,1000"

width="0" height="0" >
```

</OBJECT>
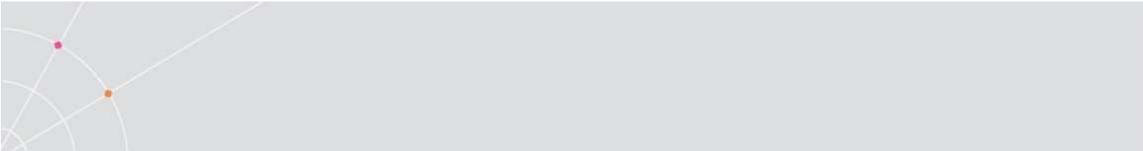
To connect this client, a method is invoked from the browser's on-load event handler:

```
function window.onload() {

        HostView.LoginDialog(location.href,

        4000,

        1,

        "username",

        "password",

        "?",

 location.href);

}
```

The new method of performing the same operation:

```
<OBJECT ID=Downloader WIDTH=0 HEIGHT=0

        CODEBASE="ptdownloader.cab#Version=5,1,3,100"

        CLASSID="CLSID:7EC816D4-6FC3-4C58-A7DA-A770EE461602">

        <PARAM NAME="Src" VALUE="ptagent.cab">

        <PARAM NAME="Parameters"

VALUE="<WebServer> /RUN=HostView /USER=username /PASS=password">

</OBJECT>
```

> NOTE   Its is highly recommended that you review and become familiar with all the sample HTML files provided in the installation before attempting to convert existing HTML files to the new format.

19.5.2. Examples of some Scripts in the New Format

Old (JavaScript) Method for OsLogin:

```
<!-- CUT -->

Connector.OsLogin( window.location.href,      // server_location

                        4000,      // server_port

                         1,      // use_ssl

                      "?",      // session_id

        window.location.href );      // WEB_server_location

<!-- CON'T -->
```
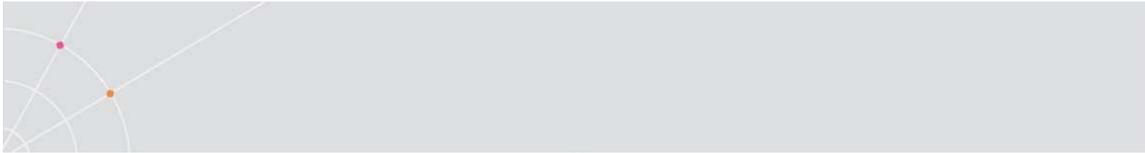
New (HTML) Method for OsLogin:

```
<!-- CUT -->

<OBJECT ID=Downloader WIDTH=0 HEIGHT=0 STYLE="DISPLAY:none"

CODEBASE="ptdownloader.cab#Version=5,1,3,1000"

CLASSID="CLSID:7EC816D4-6FC3-4C58-A7DA-A770EE461602">

<PARAM NAME="Src" VALUE="ptagent.cab">

<!-- This is a modified HTML PARAM line to perform the same function of
"Connector.OsLogin" -->

<PARAM NAME="Parameters" VALUE="<WebServer>:4000 /NOSELFUPDATE
/RUN=HostView /EXTRA_PARAMS=&quot;/SSL /SID=? /USER=*?&quot;">

</OBJECT>

<!-- CON'T -->
```

NOTE	In the current HTML version (5.x) there is no reference to a Web server. In version 4.22 and earlier all files were downloaded from the Web server, while in version 5.1 and later all client files (except the ptagent.cab) are located in <webconnect_server>/downloads. Therefore there is no need for the Web server address in the HTML.
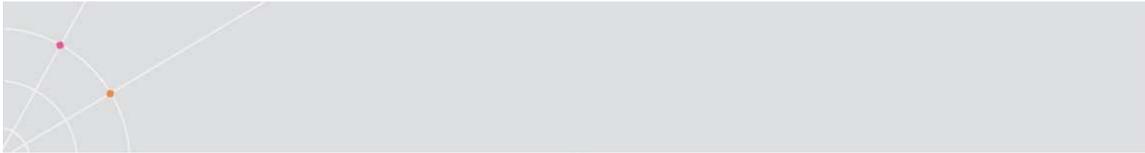
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North America	**UK and Western Europe**	**International**
Ericom Software Inc.	Ericom Software (UK) Ltd.	Ericom Software Ltd.
231 Herbert Avenue, Bldg. #4	11a Victoria Square	8 Hamarpeh Street
Closter, NJ 07624 USA	Droitwich, Worcestershire	Har Hotzvim Technology Park
Tel +1 (201) 767 2210	WR9 8DE United Kingdom	Jerusalem 91450 Israel
Fax +1 (201) 767 2205	Tel +44 (0) 845 644 3597	Tel +972 (2) 591 1700
Toll-free 1 (888) 769 7876	Fax +44 (0) 845 644 3598	Fax +972 (2) 571 4737
Email info@ericom.com	Email info@ericom.co.uk	Email info@ericom.com