

# Connection Broker Client Configuration Document

for HP Compaq t5135, t5530, t5720, and t5725 Thin Clients



Purpose .....	2
Support .....	2
Disclaimer.....	2
1 HP ThinConnect (t5135).....	2
1.1 How to Configure Citrix Dynamic Desktop Initiative for ThinConnect - t5135 .....	2
1.2 How to Configure LeoStream for ThinConnect - t5135 .....	7
1.3 How to Configure Provision Network for ThinConnect - t5135 .....	7
1.4 How to Configure HP Session Allocation Manager (SAM) for ThinConnect - t5135 .....	8
2 Windows CE 5.0 (t5530).....	8
2.1 How to Configure Citrix Dynamic Desktop Initiative for Windows CE 5.0 - t5530.....	8
2.2 How to Configure LeoStream for Windows CE 5.0 - t5530 .....	11
2.3 How to Configure Provision Network Client for Windows CE 5.0 - t5530.....	11
2.4 How to Configure HP Session Allocation Manager (HP SAM) for Windows CE 5.0 - t5530 .....	15
3 Linux (t5725) .....	15
3.1 How to Configure Citrix Dynamic Desktop Initiative for Linux - t5725 .....	15
3.2 How to Configure LeoStream for Linux - t5725.....	17
3.3 How to Configure Provision Network for Linux - t5725 .....	17
3.4 How to Configure PC Session Allocation Manager (HP SAM) for Linux - t5725 .....	17
4 Microsoft Windows XPe (t5720) .....	17
4.1 How to Configure Citrix Dynamic Desktop Initiative for Windows XPe – t5720.....	17
4.2 How to Configure Leostream for Windows XPe - t5720 .....	20
4.3 How to Configure Provision Network for Windows XPe - t5720.....	20
4.4 How to Configure PC Session Allocation Manager (HP SAM) for Windows XPe - t5720.....	20

## Purpose

This document explains how to configure the listed HP Compaq Thin Clients to be used with Citrix, HP Session Allocation Manager (HP SAM), Provision Network, and LeoStream brokers.

## Support

Citrix Dynamic Desktop Initiative and HP Session Allocation Manager (HP SAM) come preinstalled on the listed HP Compaq Thin Clients and are supported by HP. For support, contact HP Customer Service.

Provision Network and LeoStream connection broker software are third-party software applications that are only preinstalled on the t5135 and not on the remaining listed HP Thin Clients. For any support related to Provision Network or LeoStream, contact these companies directly:

- Provision Network: [www.provisionnetworks.com](http://www.provisionnetworks.com)
- LeoStream: [www.LeoStream.com/support](http://www.LeoStream.com/support)

## Disclaimer

THE INFORMATION CONTAINED HEREIN IS SUBJECT TO CHANGE WITHOUT NOTICE AND IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. THE WARRANTIES FOR HP PRODUCTS AND SERVICES ARE SET FORTH IN THE EXPRESS LIMITED WARRANTY STATEMENTS ACCOMPANYING SUCH PRODUCTS AND SERVICES. NOTHING HEREIN SHOULD BE CONSTRUED AS CONSTITUTING AN ADDITIONAL WARRANTY. HP SHALL NOT BE LIABLE FOR TECHNICAL OR EDITORIAL ERRORS OR OMISSIONS CONTAINED HEREIN.

## 1 HP ThinConnect (t5135)

### 1.1 How to Configure Citrix Dynamic Desktop Initiative for ThinConnect - t5135

This section describes how to connect the HP Compaq t5135 (ThinConnect) Citrix Client to a Citrix DDI (Dynamic Desktop Initiative) environment.

Topics Include:

- Creating Connection Entries
- Opening a Connection

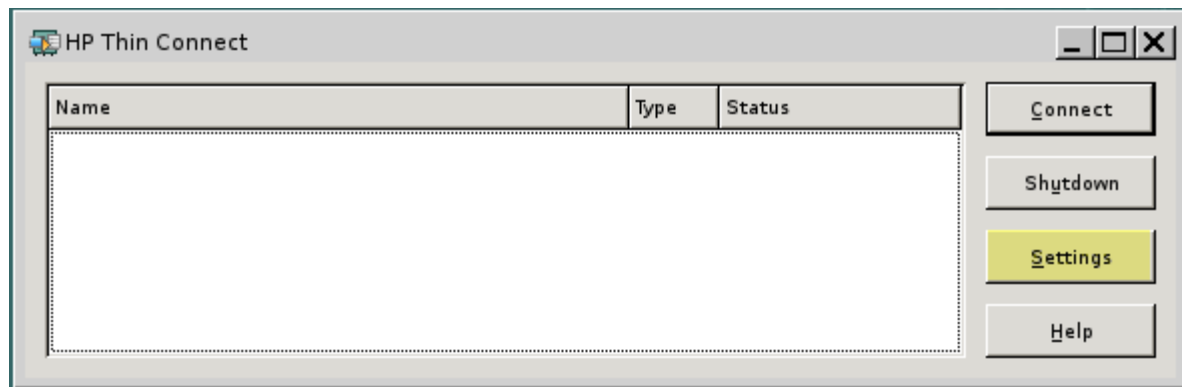
#### Creating Connection Entries

There are two types of connections to a "Citrix Desktop Server."

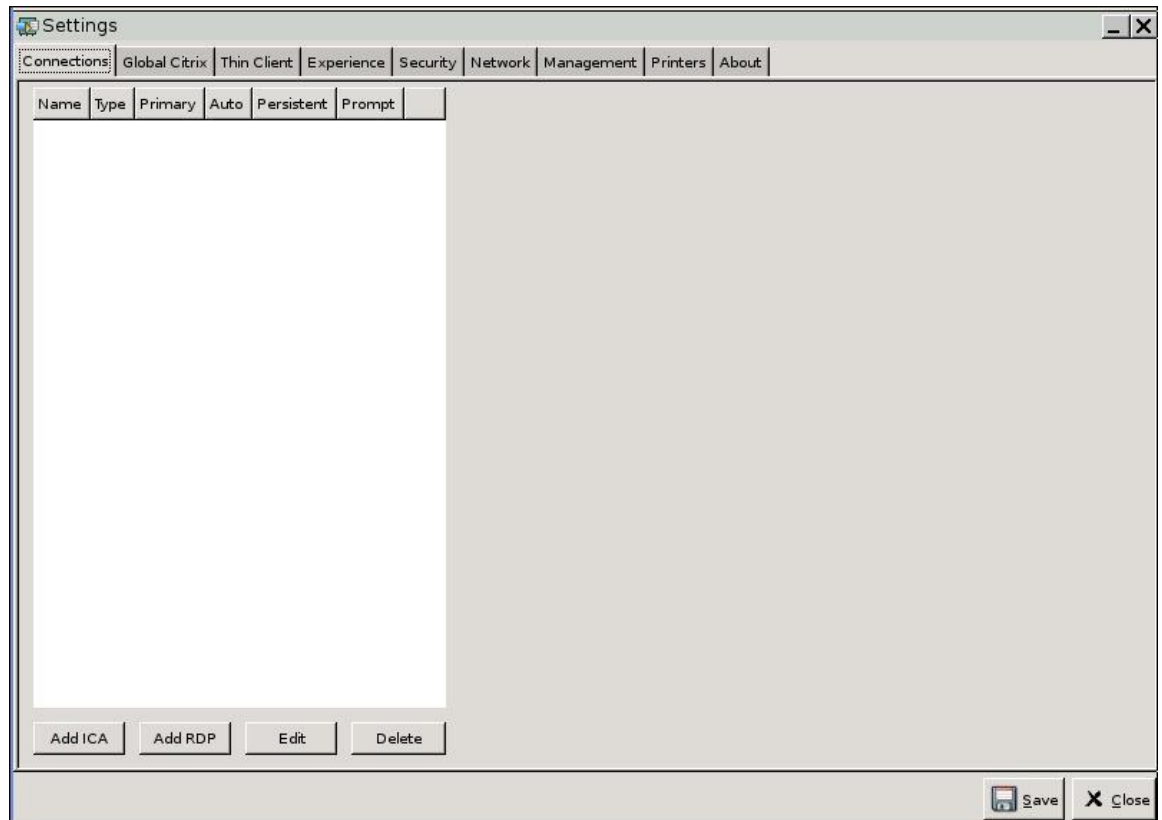
- A connection to a **server desktop** lets a user access the desktop of a server. The user can run any applications available on the desktop, in any order.
- A connection to published applications lets a user access predefined Windows XP Pro Published Desktop(s).

#### To create an ICA connection to a Published Application Server:

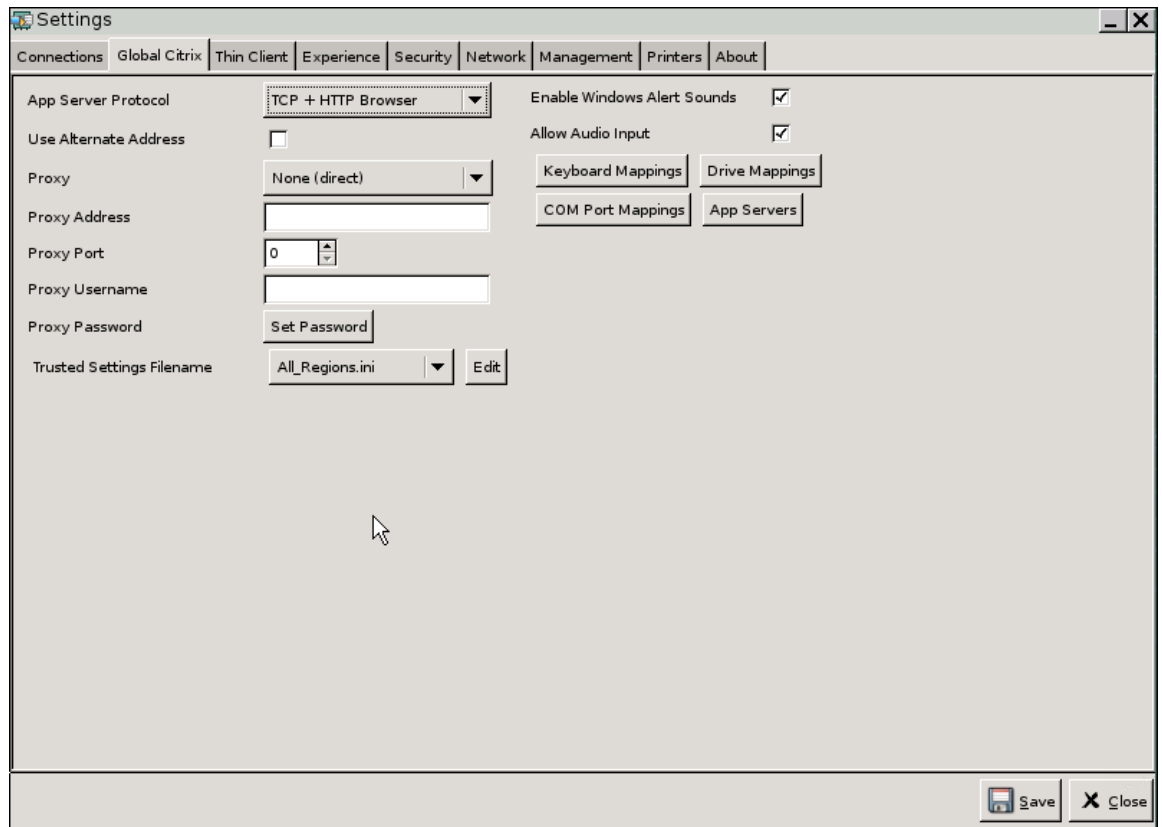
1. Boot the t5135 Thin Client – the HP ThinConnect screen will automatically open.



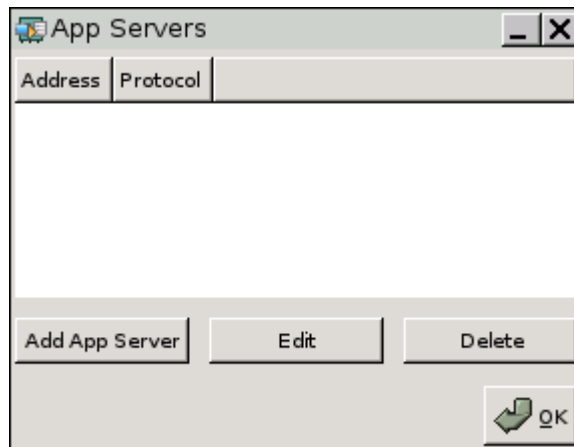
2. Click **Settings**. The following screen is displayed.



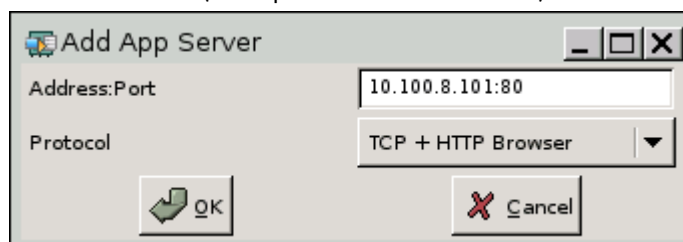
3. Click the **Global Citrix** tab.



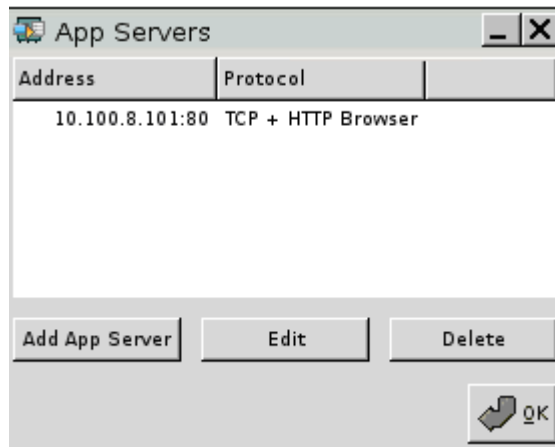
4. Click the **App Servers** button.



5. Click **Add App Server** and type the Published App Server address of the Desktop Server and XML Port Number (example: 10.100.8.101:80)

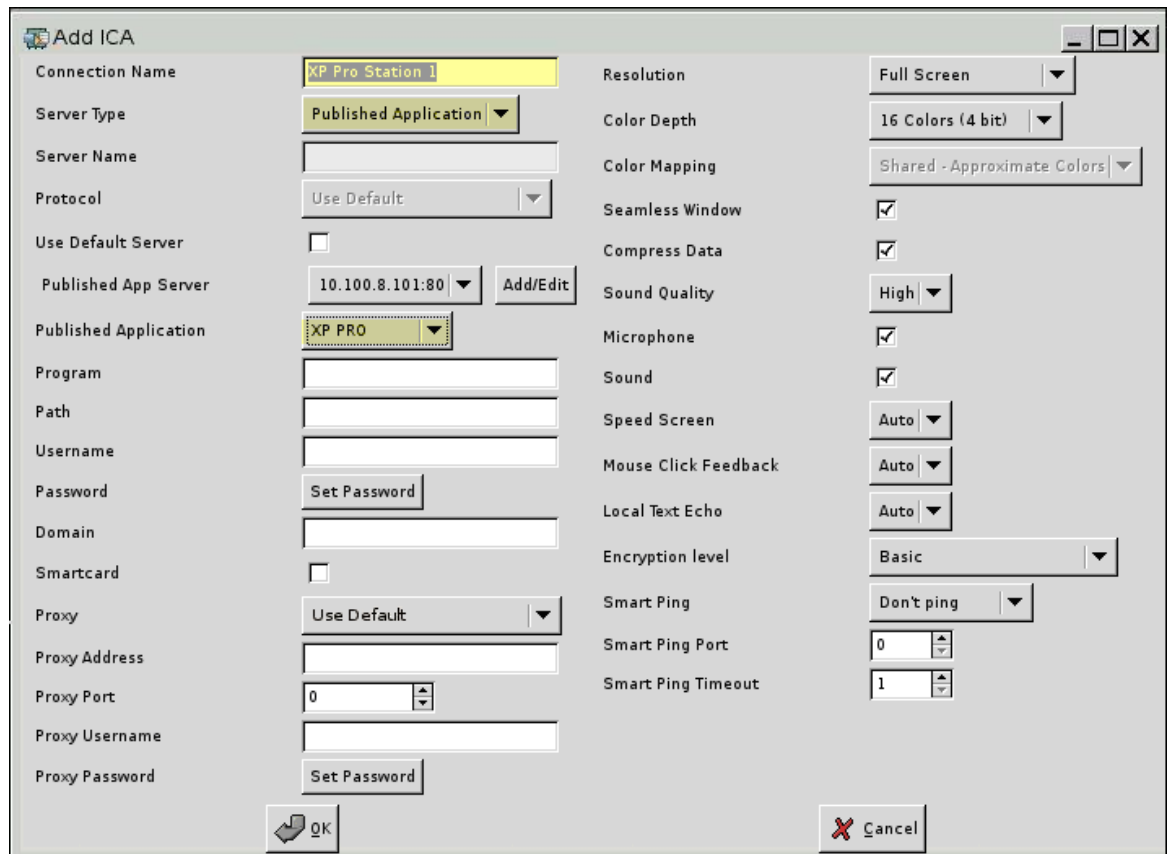


6. Click **OK**.



7. Click **OK** then **Save** on the App Servers screen.
8. Click **Restart Session** at the Save Warning screen.
9. After the thin client restarts, click **Settings** then the **Connections** tab.
10. Click **Add ICA**. The following screen will open.

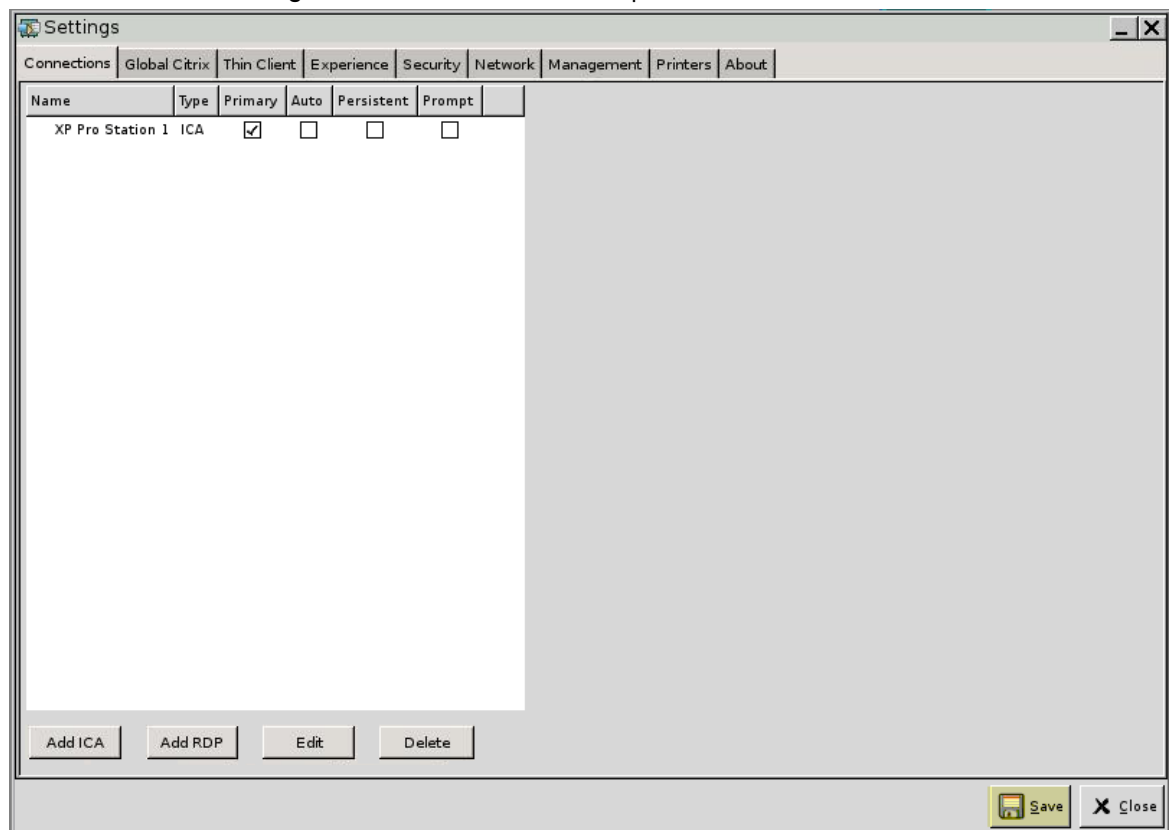
11. Type a Connection Name, select Published Applications as the Server Type, then select a Published Application using the drop-down menu.  
In the example below, the ICA connection is named "XP Pro Station 1," the Server Type is changed to Published Application, and "XP Pro" is selected from the Published Application drop-down list (from the 10.1000.8.101:80 server address).



The 'Add ICA' dialog box is used to configure a new ICA connection. It contains two columns of settings. The left column includes fields for Connection Name, Server Type, Server Name, Protocol, Use Default Server, Published App Server, Published Application, Program, Path, Username, Password, Domain, Smartcard, Proxy, Proxy Address, Proxy Port, Proxy Username, and Proxy Password. The right column includes settings for Resolution, Color Depth, Color Mapping, Seamless Window, Compress Data, Sound Quality, Microphone, Sound, Speed Screen, Mouse Click Feedback, Local Text Echo, Encryption level, Smart Ping, Smart Ping Port, and Smart Ping Timeout. At the bottom are OK and Cancel buttons.

Connection Name	XP Pro Station 1	Resolution	Full Screen
Server Type	Published Application	Color Depth	16 Colors (4 bit)
Server Name		Color Mapping	Shared - Approximate Colors
Protocol	Use Default	Seamless Window	<input checked="" type="checkbox"/>
Use Default Server	<input type="checkbox"/>	Compress Data	<input checked="" type="checkbox"/>
Published App Server	10.100.8.101:80	Sound Quality	High
Published Application	XP PRO	Microphone	<input checked="" type="checkbox"/>
Program		Sound	<input checked="" type="checkbox"/>
Path		Speed Screen	Auto
Username		Mouse Click Feedback	Auto
Password	Set Password	Local Text Echo	Auto
Domain		Encryption level	Basic
Smartcard	<input type="checkbox"/>	Smart Ping	Don't ping
Proxy	Use Default	Smart Ping Port	0
Proxy Address		Smart Ping Timeout	1
Proxy Port	0		
Proxy Username			
Proxy Password	Set Password		

12. Click **OK**. The Settings > Connection screen will open.



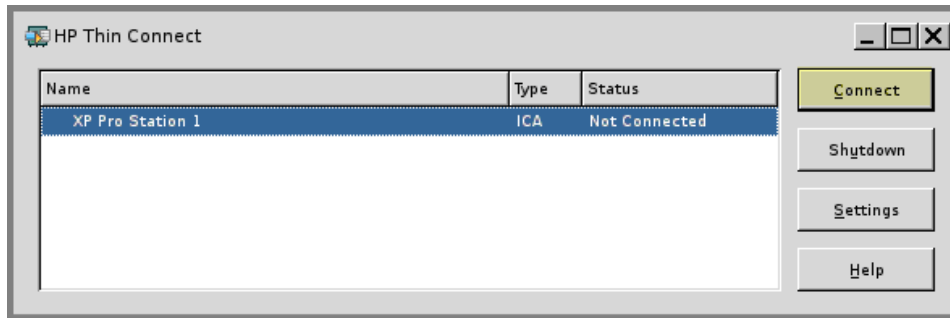
The 'Settings' window shows the 'Connections' tab. It contains a table with columns: Name, Type, Primary, Auto, Persistent, and Prompt. The table lists 'XP Pro Station 1' as an ICA connection. Below the table are buttons for 'Add ICA', 'Add RDP', 'Edit', and 'Delete'. At the bottom right are 'Save' and 'Close' buttons.

Name	Type	Primary	Auto	Persistent	Prompt
XP Pro Station 1	ICA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. Click **Save** and **Restart Session** at the Save Warning screen.

## Opening a Connection

At the HP ThinConnect screen, highlight the name of the connection and click the **Connect** button. Both are highlighted in the example below.



---

### NOTE:

If Password Manager is not installed, you will be prompted for a username and password multiple times.

---

## 1.2 How to Configure LeoStream for ThinConnect - t5135

This section describes how to connect the HP Compaq t5135 (ThinConnect) to a LeoStream broker environment.

1. Image device with S1ST0032 or newer
  2. Boot device
  3. Press the "Settings" button
  4. Select the "Security" tab
  5. Choose desired mode from the "Thin Client State" combo box
  6. Press the "Save" button
  7. Press the "Restart Session" button
  8. At the prompt file in username, password, domain, and server name
- 

### Note:

Not all connection attributes are currently being propagated  
Supports LeoStream broker server 4.4 and newer

---

## 1.3 How to Configure Provision Network for ThinConnect - t5135

This section describes how to connect the HP Compaq t5135 (ThinConnect) to a Provision Network broker environment.

1. Image device with S1ST0032 or newer
2. Boot device
3. Press the "Settings" button
4. Select the "Security" tab
5. Choose desired mode from the "Thin Client State" combo box
6. Press the "Save" button
7. Press the "Restart Session" button

8. At the prompt file in username, password, domain, and server name

---

**Note:**

Not all connection attributes are currently being propagated.

Need to quit session if failed login (i.e.: no connections).

Provision Networks need to include port on server entry - default is 8080.

---

## 1.4 How to Configure HP Session Allocation Manager (SAM) for ThinConnect - t5135

Not available at this time

## 2 Windows CE 5.0 (t5530)

### 2.1 How to Configure Citrix Dynamic Desktop Initiative for Windows CE 5.0 - t5530

This section describes how to connect the HP Compaq t5530 (Genuine Windows CE 5.0) 9.x Citrix Client to a Citrix DDI (Dynamic Desktop Initiative) environment.

Topics Include:

- Creating Connection Entries
- Opening a Connection

#### Creating Connection Entries

There are two types of connections to a "Citrix Desktop Server."

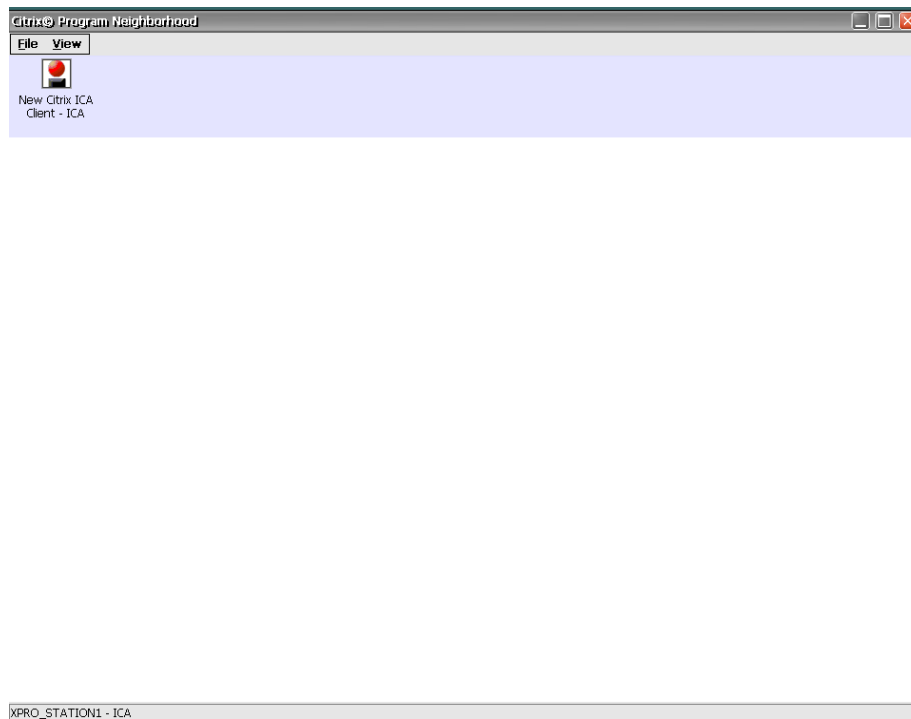
- A connection to a **server desktop** lets a user access the desktop of a server. The user can run any applications available on the desktop, in any order
- A connection to *published applications* lets a user access predefined Windows XP Pro Published Desktop(s).

#### To create a connection

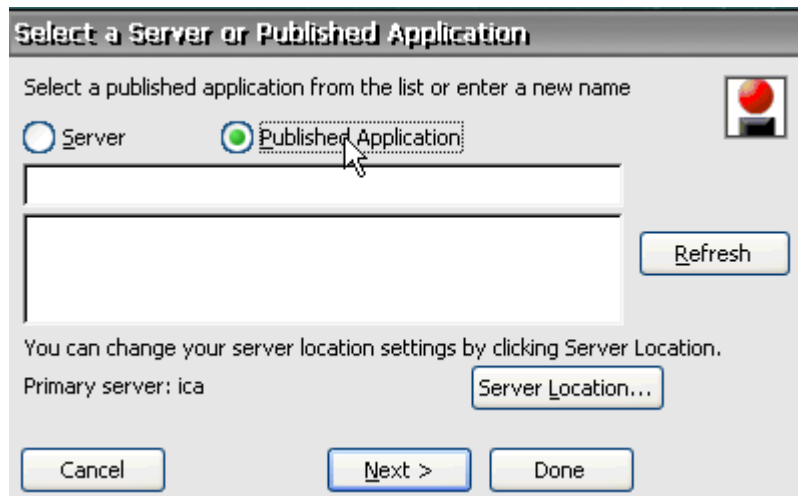
1. Launch the Citrix Client

**Start → Programs → Citrix Program Neighborhood**





2. Double-click **New Citrix ICA Client - ICA**.



3. Select **Published Application**, select **Server Location**, choose TCP browser then add the name or IP address of the Desktop Broker Server, click **OK**, then **OK** again to accept the server location.

The image shows two overlapping Windows-style dialog boxes. The top dialog, titled 'Server Location', has a 'Server Group' dropdown menu set to 'Primary'. Below it is the 'Add Server Address' dialog, which contains a text field with 'dditest' entered, 'OK' and 'Cancel' buttons, and a 'TCP browser' dropdown menu at the bottom with its own 'OK' and 'Cancel' buttons.

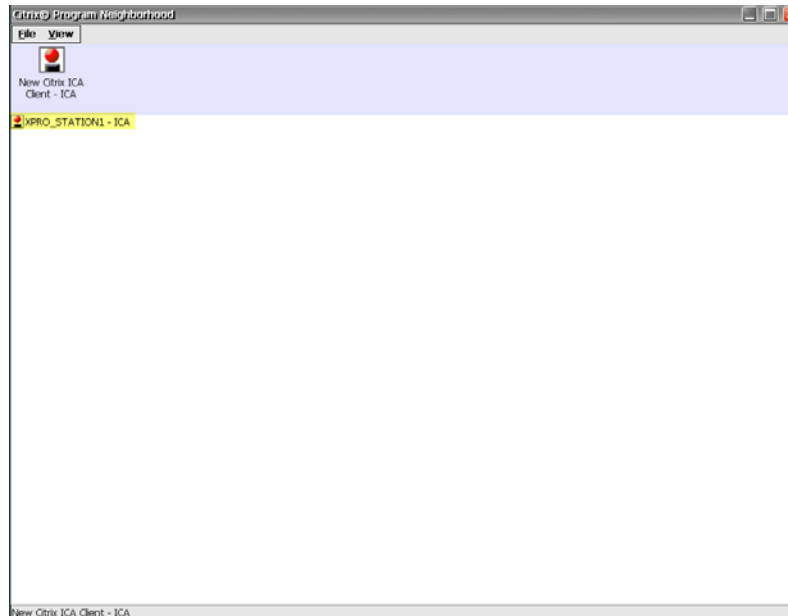
4. Click on Refresh and you should get a list of the published Desktop Server(s) available or the Published XP Pro instances available.

The image shows a 'Select a Server or Published Application' dialog box. It has a title bar and a close button. The main area contains a text field with 'XPRO\_STATION1' entered, a list box with 'DESKTOP SERVER1' and 'XPRO\_STATION1' (the latter is selected), and a 'Refresh' button. Below the list box, there is a message: 'You can change your server location settings by clicking Server Location.' followed by 'Primary server: dditest' and a 'Server Location...' button. At the bottom are 'Cancel', 'Next >', and 'Done' buttons. Radio buttons for 'Server' and 'Published Application' are also present, with 'Published Application' being selected.

5. Click **Done**.

### Opening a Connection

Double-click the name of the connection you want to make and click on the connect button, enter username, password and domain, click **OK**.



---

**Note:**

If you do not have Password Manager installed you will be prompted for your username and password multiple times.

---

## 2.2 How to Configure LeoStream for Windows CE 5.0 - t5530

Not available at this time

## 2.3 How to Configure Provision Network Client for Windows CE 5.0 - t5530

Contact Provision Networks directly for sale and support.

### Installation

1. Visit [www.provisionnetworks.com](http://www.provisionnetworks.com) to obtain the ZIP file from Provision that contains the agent binaries:

- PNTSC.EXE
- PNLLMCLI.DLL
- PNTSCVC.DLL

You will need to sign up for an account to have access to download client.

2. Copy the 3 binaries to the t5530 flash directory '\\hard disk\\program files'.
3. Run PNTSC.EXE. (See Figure 1: PNTSC Window)
4. This will add the necessary registry data into the CE OS.
5. Close PNTSC window
6. (Optional) Verify registry data was entered properly.
7. From a command shell run:

```
> regdump -m Software\Microsoft\WBT\Clients\Registration\pntsc
```

RegDump

Copyright 2004 Hewlett-Packard Development Company, L.P.. All rights reserved.

```
[HKEY_LOCAL_MACHINE\software\microsoft\wbt\clients\registration\pntsc]
    "Description"="Provision Networks"
    "NewCmdLineArgs"=""
    "NewExe"="\Hard Disk\Program Files\pntsc.exe"
    "Type"="PNTSC"
```

### Add Connection

In order to make use of the Provision client one first adds a connection to HP ThinConnect. However, clicking the Add button from ThinConnect does not work with the Provision client. Instead, follow these steps:

1. Run PNTSC.EXE (See Figure 1: PNTSC Window).
2. From the **General** tab, select **Application**.
3. Click **Connectivity**.
4. Enter **TCP Port** 80 (See Figure 2: Connectivity Screen)
5. Click **Add** to enter Server Address
6. Click **OK**.
7. Click **OK**.
8. From **Credentials** tab, enter user credentials (See Figure 3: Credentials Screen).
9. From the **General** tab, select from the drop down box (See Figure 4: Published Apps List).
10. Click button **Save As...**
11. Type `MyConnection`
12. Click **OK**.
13. Close PNTSC Window.
14. Run HP ThinConnect.
15. Click **Advanced**.
16. Verify that **MyConnection** appears under **Available Connections**.
17. Assign **MyConnection** to **Administrator** by clicking on the right arrow button.
18. Click **OK**.

### Connect

1. Run HP ThinConnect.
2. Highlight "MyConnection" added from steps above.
3. Click **Connect**.

### Issues

Although the Provision Network client requires the HP ThinConnect to work, the following ThinConnect buttons fail with Provision Network:

#### Add

**Edit** – bring up the PNTSC Window that has no idea which connection you clicked Edit on. You must click Save As and select the proper connection name.

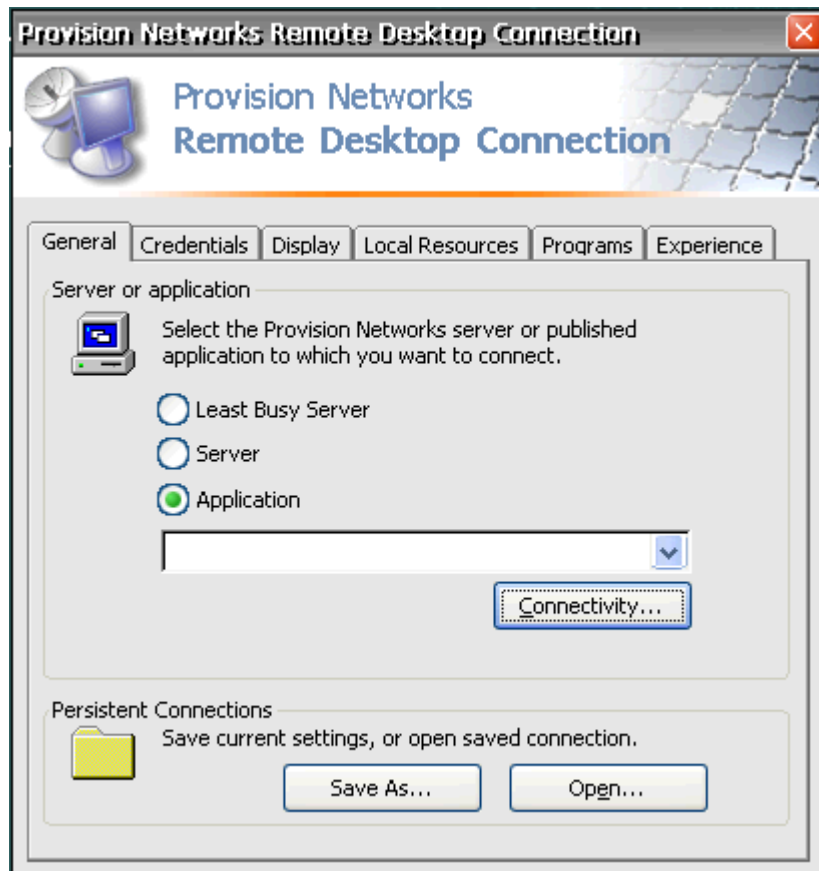


Figure 1: PNTSC Window

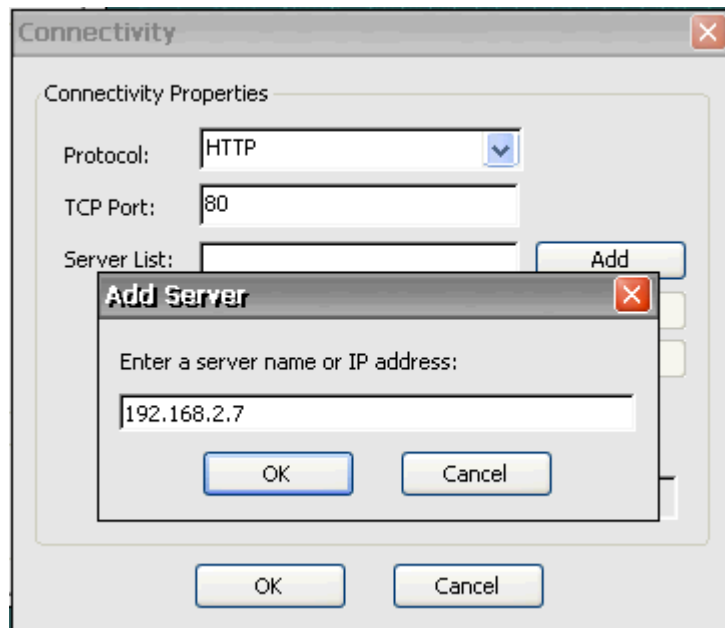
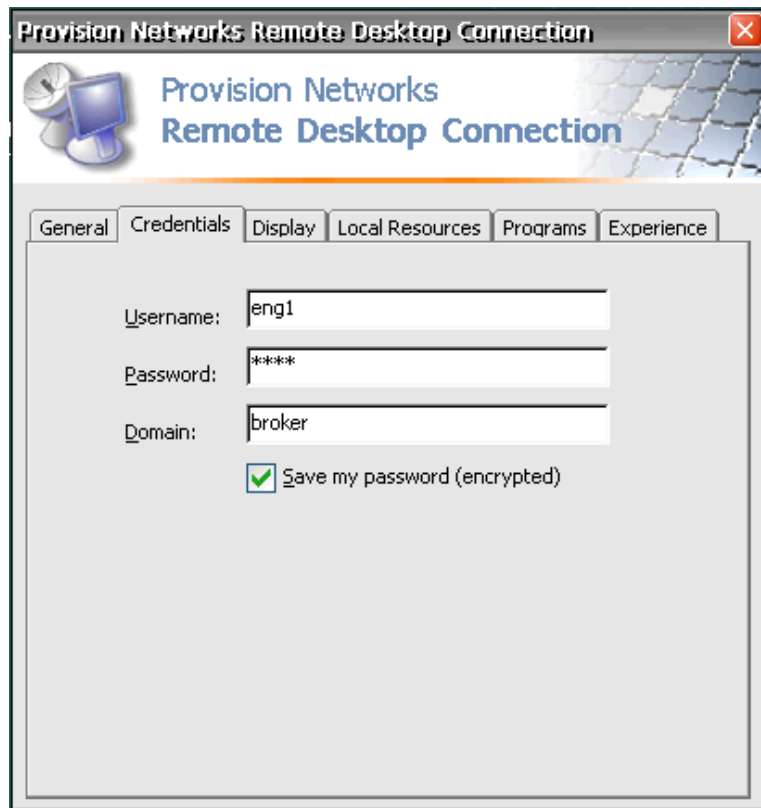


Figure 2: Connectivity Screen



**Provision Networks Remote Desktop Connection**

General | **Credentials** | Display | Local Resources | Programs | Experience

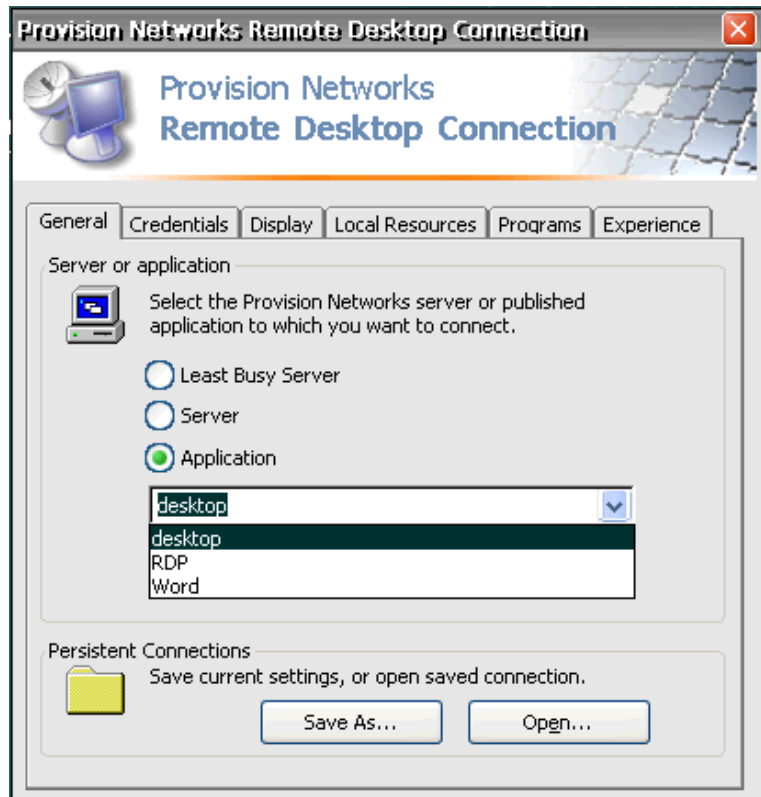
Username: eng1

Password: \*\*\*\*

Domain: broker

☒ Save my password (encrypted)

Figure 3: Credentials Screen



**Provision Networks Remote Desktop Connection**

General | Credentials | Display | Local Resources | Programs | Experience

Server or application

Select the Provision Networks server or published application to which you want to connect.

☐ Least Busy Server  
☐ Server  
☒ Application

desktop

desktop

RDP

Word

Persistent Connections

Save current settings, or open saved connection.

Save As... Open...

## 2.4 How to Configure HP Session Allocation Manager (HP SAM) for Windows CE 5.0 - t5530

Please see HP PC Session Allocation Manager (SAM) Administrator User Guide (Document Part Number: 453252-002)

<http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c01301691/c01301691.pdf>

## 3 Linux (t5725)

### 3.1 How to Configure Citrix Dynamic Desktop Initiative for Linux - t5725

This section describes how to connect the HP Compaq t5725 (Debian Linux OS) Linux Citrix Client 10.X to a Citrix DDI (Dynamic Desktop Initiative) environment.

Topics Include:

- Creating Connection Entries
- Opening a Connection

#### Creating Connection Entries

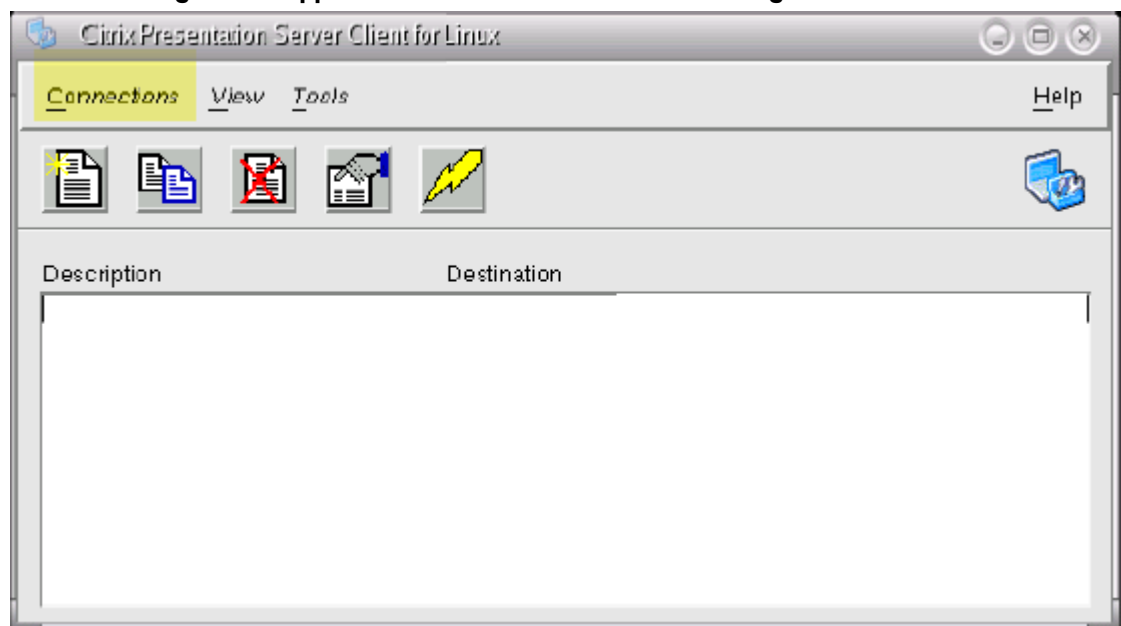
There are two types of connections to a Citrix Desktop Server.

1. A connection to a **server desktop** lets a user access the desktop of a server. The user can run any applications available on the desktop, in any order
2. A connection to **published applications** lets a user access predefined Windows XP Pro Published Desktop(s).

#### To create a connection

3. Launch the Citrix Client:

**Start → Programs → Apps → Net → Citrix ICA Connection Manager**



1. On the **Connections** menu (highlighted in the picture above), click **New**.
2. On the **Connections** menu (highlighted in the picture above), click **New**.  
The **Properties** dialog box appears with the **Network** page displayed. The **Network** option is default and is correct.
3. Deselect **Use Default** and select **TCP/IP** for the **Network Protocol**.
4. For **Server Location**, enter the name or IP of the server.
5. Click **Server** or **Published Applications**.

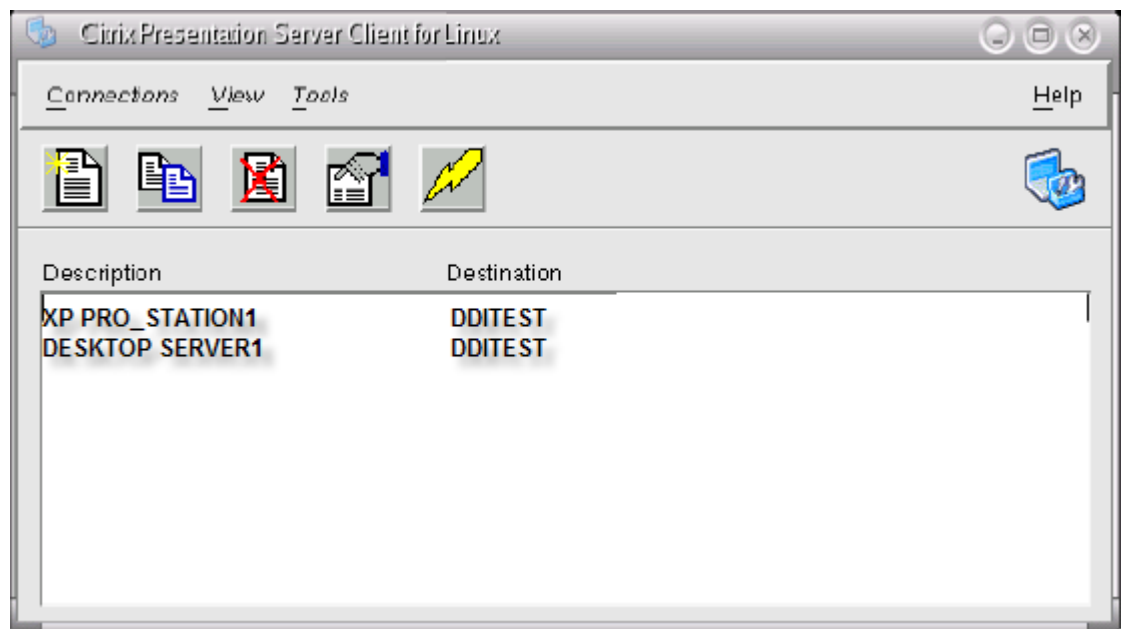
---

**Note:**

XP Pro can only be published as an application in Citrix's current release of DDI.

---

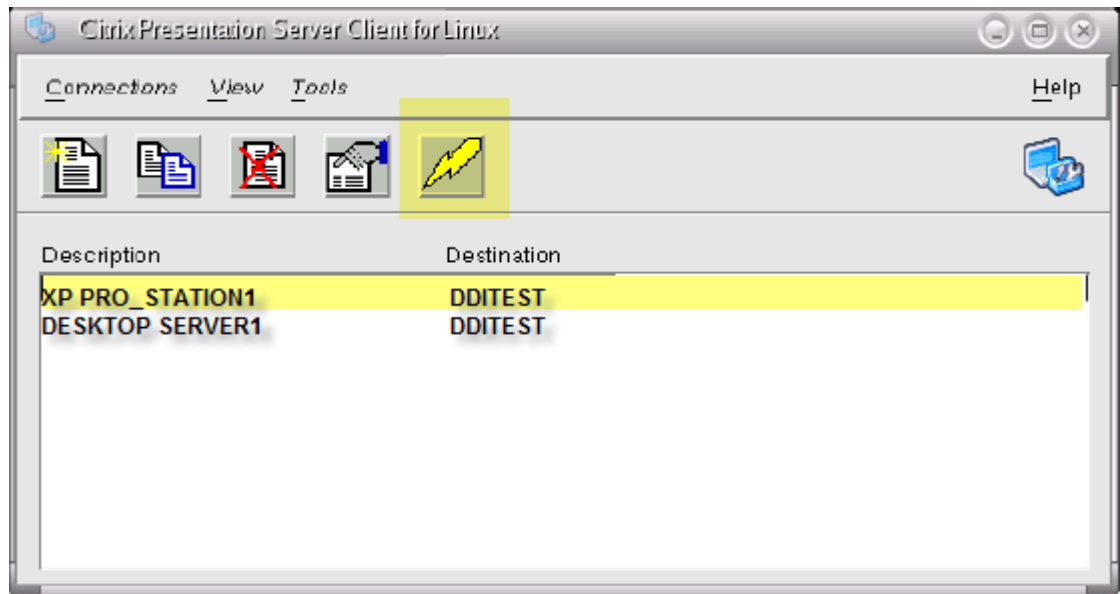
6. For a server desktop, type the name or IP address of the server or click **Browse** to select from a list of servers.
7. For a published application (i.e. XP Pro Desktop Connection), type the name of the published application or click **Browse** to select from a list of published applications.
8. Once you have added the connections, your connection center should look similar to the picture below.



### Opening a Connection

Highlight the name of the connection you want to make and click on the connect button, both have been highlighted in the picture below.





**Note:**

If you do not have Password Manager installed you will be prompted for your username and password multiple times.

## 3.2 How to Configure LeoStream for Linux - t5725

Not available at this time

## 3.3 How to Configure Provision Network for Linux - t5725

Not available at this time

## 3.4 How to Configure PC Session Allocation Manager (HP SAM) for Linux - t5725

Not available at this time

# 4 Microsoft Windows XPe (t5720)

## 4.1 How to Configure Citrix Dynamic Desktop Initiative for Windows XPe – t5720

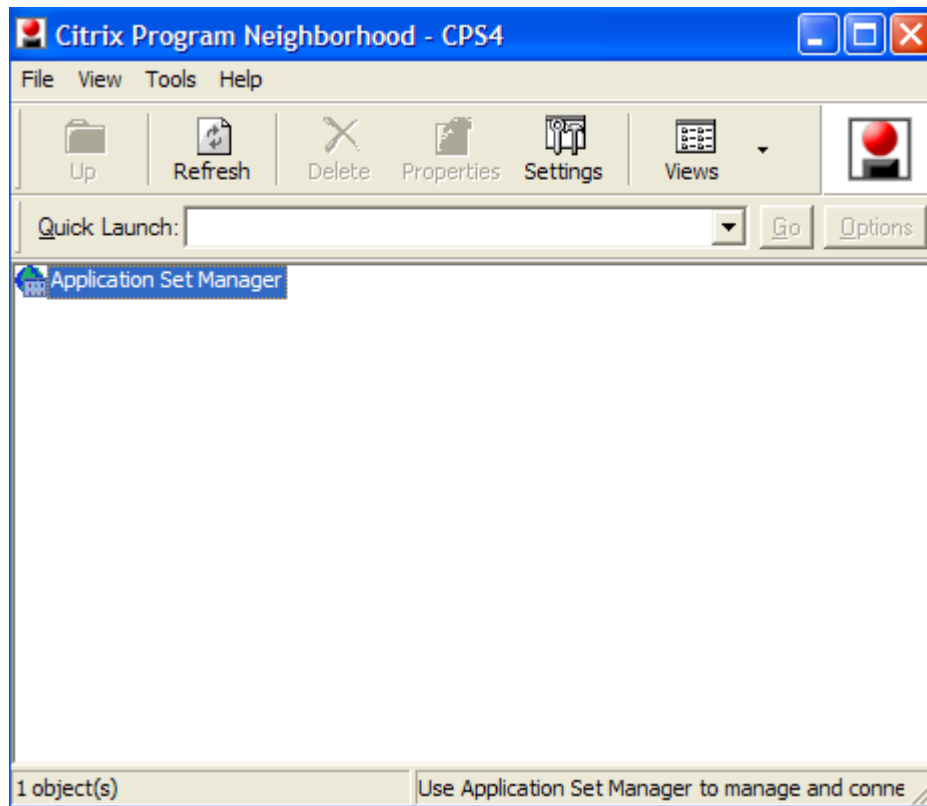
This section describes how to connect the HP Compaq t5720 (XPE Embedded OS) via the Citrix Presentation Server Client 9.X to a Citrix DDI (Dynamic Desktop Initiative) environment.

Topics Include:

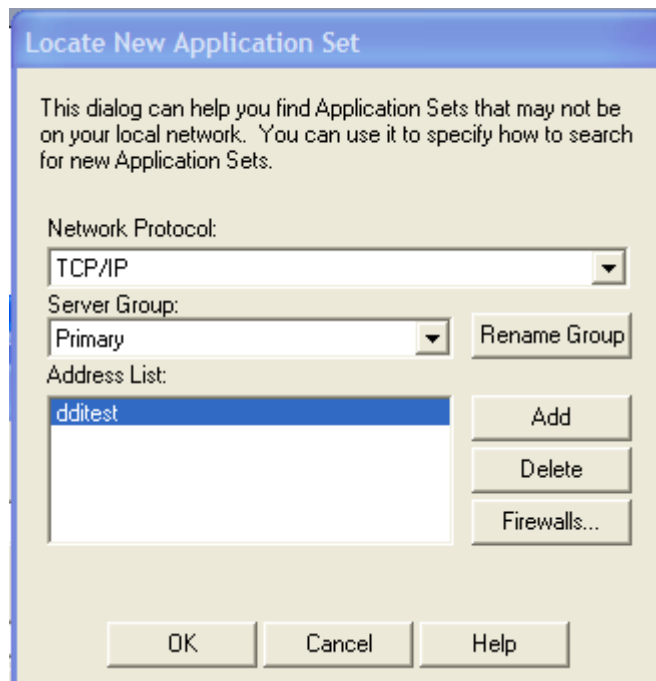
- Configuring an Application Set
- Opening a Connection

**To configure an application set.**

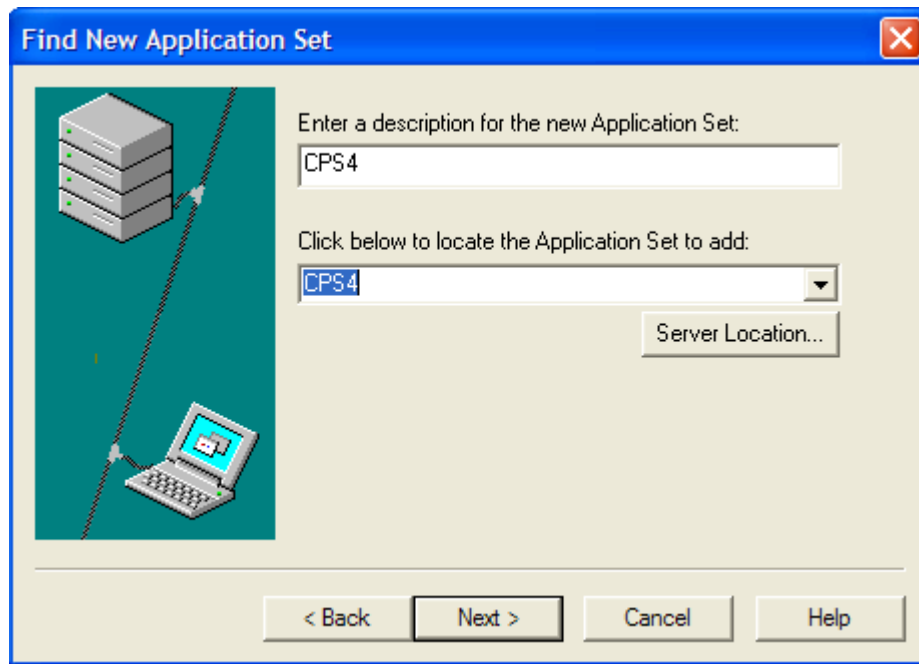
1. Launch the Citrix Client
2. **Start** → **All Programs** → **Citrix** → **Citrix Access Clients** → **Program Neighborhood**



3. Double-click **Application Set Manager**.
4. Double-click **Find New Application Set**.
5. Select **Local Area Network** from the drop down box and click **Next**.
6. Click **Server Location** and change network protocol to TCP/IP; add the name of your Desktop Servers; then, click OK

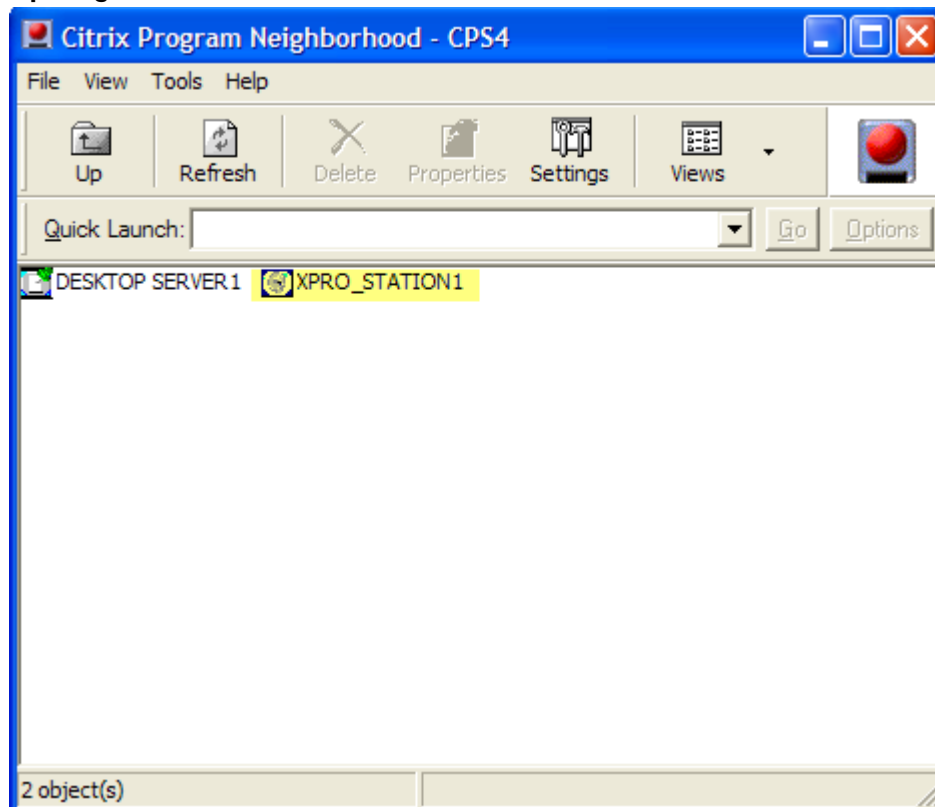


7. This will take you back to the previous screen, click on the drop down button to locate the application set to add. Once you have click on Next.



8. Click **Next** and accept the defaults until you are prompted to click **Finish**.
9. At this point you should get a login prompt for the application set:
10. Type in credentials with permission to get to the appropriate XP PRO published application instances. Once you have been authenticated you will see which Server Desktop(s) or XP Pro instances you are allowed to utilize by what is listed in your application set.

#### Opening a Connection



11. Double-click on whichever connection (Desktop Server or XPPro) that you need to work on.

---

**NOTE:**

Please keep in mind if you do not have Password Manager installed you will be prompted for your username and password multiple times.

---

## 4.2 How to Configure Leostream for Windows XPe - t5720

Not currently available.

## 4.3 How to Configure Provision Network for Windows XPe - t5720

Not currently available.

## 4.4 How to Configure PC Session Allocation Manager (HP SAM) for Windows XPe - t5720

Please see HP PC Session Allocation Manager (SAM) Administrator User Guide (Document Part Number: 453252-002)

<http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c01301691/c01301691.pdf>

© 2008 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation.

480242-001, 1/10/2008

