

# User's Guide

## **Citrix ICA Client for Windows CE**

Version 1.0

Citrix Systems, Inc.

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# Citrix ICA Client for Windows CE

## Introduction

The ICA Windows CE Client allows you to use a Microsoft Windows CE-based device to connect to a Citrix MetaFrame or *WINFRAME* server and run applications remotely. The ICA Windows CE Client includes the Remote Application Manager which helps you configure and launch connections to Citrix servers.

This document contains procedures for installing and using the Citrix ICA Client for Windows CE. Topics covered include:

- ICA Windows CE Client overview
- ICA Windows CE Client requirements
- Installing the ICA Windows CE Client
- Starting the ICA Windows CE Client
- Remote Application Manager functions
- Creating a new connection
- Global ICA Windows CE Client settings
- Importing ICA files
- Printing to a local printer
- Accessing local drives
- Optimizing the ICA Windows CE Client use

## Overview

The ICA Windows CE Client launches remote control sessions, called ICA sessions. *ICA sessions* are applications running on a remote Citrix server that are displayed locally on your Windows CE device.

You can connect to the Citrix (MetaFrame or *WINFRAME*) server and run ICA sessions in one of the following ways:

- Network remote control access through a local TCP/IP network connection. With network remote control, the client device is directly connected to the network that contains Citrix servers using a network interface card (NIC).
- Remote node + remote control access using TCP/IP over a serial PPP connection to a Windows 95 or Windows NT RAS server. With remote node + remote control, the client device is connected through a modem to a RAS server on a remote network. Once connected to the network, the user can run the ICA Windows CE Client and make TCP/IP network connections to Citrix servers.
- Dial-In async remote control over a modem connection. Dial-In connections use a modem on the client device to directly communicate with a modem on the Citrix server and do not use RAS.

You can configure and run two types of ICA sessions: Citrix server connections and published applications. *Citrix server connections* allow you to remotely control a session on a Citrix server from your Windows CE device. Citrix server connections let you access the desktop of a specific Citrix server; you can run any applications available on the desktop, in any order. *Published applications* are specific applications set up by an administrator for remote users to run. With published application connections, you access only the specified application and do not need to know the address of a specific server to create the connection.

## Requirements

To run the ICA Windows CE Client you must have the following:

- A Windows CE-based device
- A network interface card (NIC) connected to a local network for TCP/IP network connections, or a modem and telephone line for serial PPP and Dial-In connections
- The ICA Windows CE Client program for your Windows CE device (SH3, X86, MIPS, PowerPC, or ARM)
- A display that supports 16 colors/gray scales or greater

## Installing the ICA Windows CE Client

The ICA Windows CE Client provides two installation methods:

- **PC installation** - For Windows CE devices attached to a PC. The installation is run on the PC and the necessary files are downloaded to the Windows CE device during installation.
- **Local installation** - For remote Windows CE devices. The installation is run on the Windows CE device, from a previously downloaded setup file.

► **To install the ICA Windows CE Client (local installation)**

1. Copy the ICA Windows CE Client setup program (Setup.exe) to the Windows CE device.
2. Double-click the **ICA Setup** icon and follow the instructions that appear on the screen.
3. Once installation is complete, click **Start, Programs, ICA CE Client**, and then **Remote Application Manager**.
4. When prompted to, enter a unique name for your device and click **OK**. The name must not be in use by any other devices connecting to Citrix MetaFrame or *WINFRAME* servers on the network.

► **To install the ICA Windows CE Client (PC installation)**

1. Double-click the **ICA Setup** icon on your PC and follow the instructions that appear on the screen.  
The necessary files are downloaded to the Windows CE device.
2. Once installation is complete, click **Start, Programs, ICA CE Client**, and then **Remote Application Manager**.
3. When prompted to, enter a unique name for your device and click **OK**. The name must not be in use by any other devices connecting to Citrix MetaFrame or *WINFRAME* servers on the network.

## Uninstalling the ICA Windows CE Client

► **To uninstall the ICA Windows CE Client**

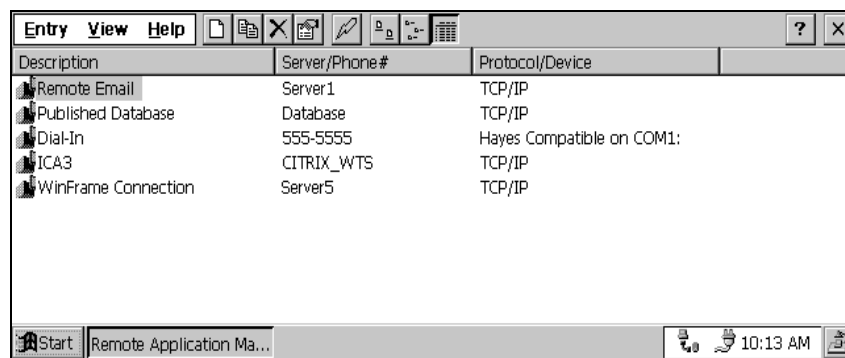
1. Click **Start**, point to **Programs**, point to **ICA CE Client**, and then click **ICA Uninstall**.
2. Click **Yes** to the confirmation boxes. Click **OK** to complete uninstallation.



## Starting the ICA Windows CE Client

- ▶ **To start the ICA Windows CE Client**
  - On your desktop, click **Start**. Point to **Programs**. Point to **ICA CE Client**. Click **Remote Application Manager**.

## Remote Application Manager Functions



Use Remote Application Manager to configure, edit, and launch ICA sessions. Remote Application Manager displays your connections in the remote application list.

▶ **To create a new ICA connection**



- Click the **New** icon on the toolbar, or click **Entry** and then click **New**. The New Entry wizard appears. See the section “Creating a New Connection” later in this document for detailed instructions on creating new ICA connection entries.

▶ **To start an ICA session**



- Select an entry in the Remote Application Manager list. Click the **Connect** icon on the toolbar, or click **Entry** and then click **Connect**. You can also double-click an entry. The ICA Windows CE Client **Connecting to** screen appears. If you did not enter a username, domain, and password when you created the entry, you are prompted for this information. Enter your username, domain, and password and click **OK**. When connecting to anonymous published applications you do not have to enter any information.

▶ **To display an entry’s properties**



- Select the entry, then click the **Properties** button on the toolbar, or click **Entry**, and then click **Properties**. This procedure lets you edit an existing entry. As you proceed through the screens of the wizard, make any necessary changes. Click **Finish** in the final screen of the wizard to save the changes.

► **To delete an entry**



- Select the entry, then click the **Delete** icon on the toolbar, or click **Entry** and then click **Delete**.

► **To create a desktop shortcut to a Remote Application Manager entry**

- Select the entry, click **Entry**, and then click **Create Shortcut**. A shortcut with the entry's name appears on the desktop. This shortcut can be used to launch a session without starting Remote Application Manager.

► **To change the view**

- Remote Application Manager displays configured connections in one of three views. To change the view, click **View** and then select one of the views: **Large Icons**, **Small Icons**, and **Details**. The icon views display ICA connections as icons. The **Details** view lists the entry name, Citrix server or phone number, and the protocol or device used to connect to the server.

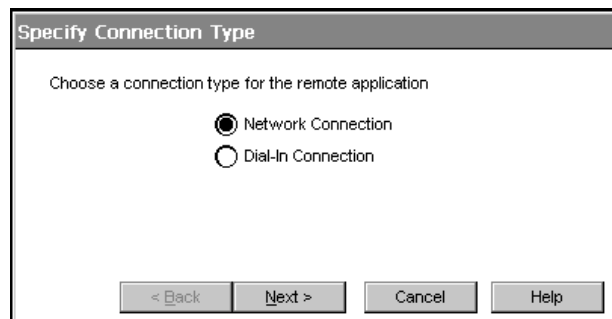
## Creating a New Connection

The procedure used to create a new connection entry in Remote Application Manager differs for network and Dial-In connections. See the section "Overview" earlier in this document for a description of the different types of ICA connections.

## Creating a Network Connection

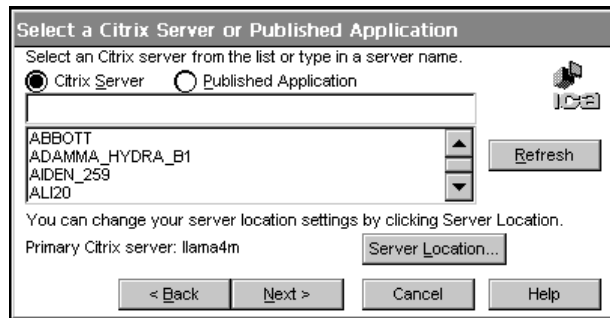
► **To create a network connection**

1. Start Remote Application Manager. Click **Entry** and then click **New**. The New Entry Wizard appears:



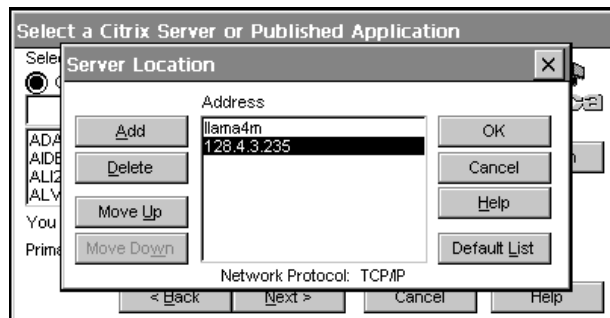
Click **Network Connection**. Make sure your client device is connected to the network through a NIC or by a serial PPP connection to a Windows 95 or Windows NT RAS server. Click **Next** to continue.

2. The **Select a Citrix Server or Published Application** screen appears:



If your Windows CE device is not on the same network as the Citrix server you want to connect to (for example, if you are on the other side of a router, across the Internet, or using RAS to connect to a remote network containing Citrix servers), the server and published application list will not contain that server. In this case, click **Server Location** and go to Step 3. Otherwise, scroll through the list and select the Citrix server or published application or type the name of the Citrix server or published application in the edit field. Click **Next**. Go to Step 4.

3. The **Server Location** screen appears:

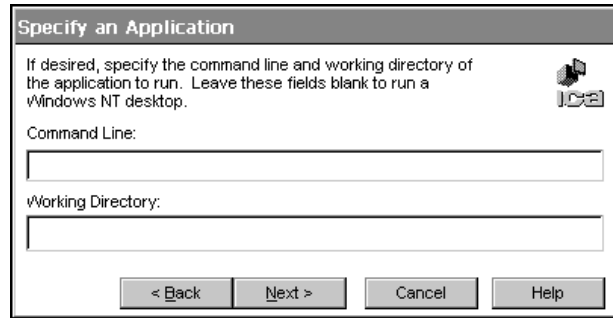


Remote Application Manager uses the information entered in the **Server Location** screen to help locate available Citrix servers and published applications. The default value entered in the **Address** field is **Auto-Locate**. To use **Auto-Locate**, your Windows CE device and the Citrix server you want to connect to must be on the same local network.

If you are on another network (for example, if you are on the other side of a router, across the Internet, or connected by RAS) you must enter the IP address or DNS name of a Citrix server on the network that contains the Citrix server you want to connect to.

Click **Add** and enter the IP address or DNS name of any Citrix server on the remote network. Click **OK**. The **Select a Citrix Server or Published Application** screen reappears. Scroll through the list and select the name of the Citrix server or published application you want to connect to. Click **Next**.

- The **Specify an Application** screen appears (this screen does not appear when configuring a published application connection):



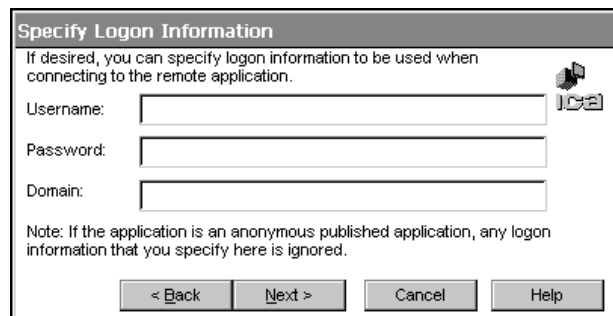
The dialog box titled "Specify an Application" contains the following text: "If desired, specify the command line and working directory of the application to run. Leave these fields blank to run a Windows NT desktop." In the top right corner, there is an ICA logo. Below the text are two text input fields: "Command Line:" and "Working Directory:". At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

In the **Command Line** field, enter the path and name of an application to run on the server once the logon to the Citrix server is successful. Leave this field blank to run a Windows NT desktop on the Citrix server. **Working Directory** lets you associate a directory with the application specified in the **Command Line** field. Enter the drive and path of the working directory in the **Working Directory** field.

For example, if the application Notepad.exe is in the C:\WTSRV directory on the Citrix server, type **C:\WTSRV\Notepad.exe** in the **Command Line** field. If you use Notepad to work on documents in the C:\My Documents directory, type **C:\My Documents** in the **Working Directory** field. When you log on to the Citrix server, Notepad begins. In Notepad, if you click the **File** menu, the directory C:\My Documents is displayed.

Click **Next**.

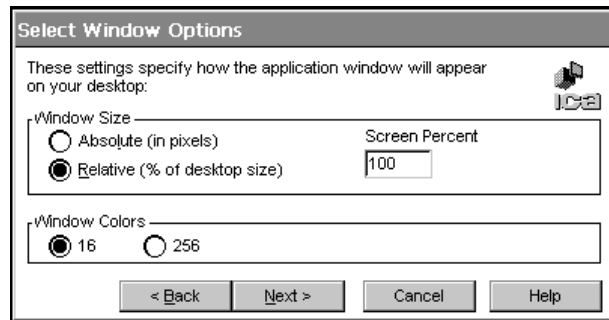
- The **Specify Logon Information** screen appears:



The dialog box titled "Specify Logon Information" contains the following text: "If desired, you can specify logon information to be used when connecting to the remote application." In the top right corner, there is an ICA logo. Below the text are three text input fields: "Username:", "Password:", and "Domain:". Below the fields is a note: "Note: If the application is an anonymous published application, any logon information that you specify here is ignored." At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

Enter a valid username, domain, and password. If you leave these fields blank, you are prompted for your username, domain, and password when the ICA Windows CE Client connects to the Citrix server. Click **Next**.

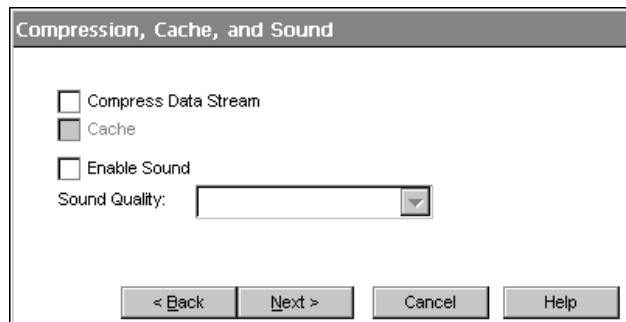
- The **Select Window Options** screen appears:



In the **Window Size** field, select **Absolute** or **Relative**. Absolute window sizes are specified in pixels. Relative window sizes are specified as the percentage of your local desktop you want the ICA session window to occupy.

In the **Window Colors** field, select 16 or 256 colors. When using a PPP connection, 16 color mode may provide better performance. If the window options specified exceed the capabilities of the client hardware, the maximum size and color depth supported by the Windows CE device are used instead. Click **Next**.

7. The **Compression, Cache, and Sound** screen appears:



Click **Compress Data Stream** to reduce the amount of data transferred between the ICA Windows CE Client and the Citrix server hosting the session. (If your connection is bandwidth-limited, enabling compression may increase performance. If your client device is on a high-speed LAN, you may not need compression.)

The **Cache** feature is not supported in this release.

Click **Enable Sound** to enable sound support. Remote applications will be able to play sounds on your client. From the pull-down list, select a sound presentation quality level.

**High** provides the greatest audio quality but should only be used when bandwidth consumption is not a concern.

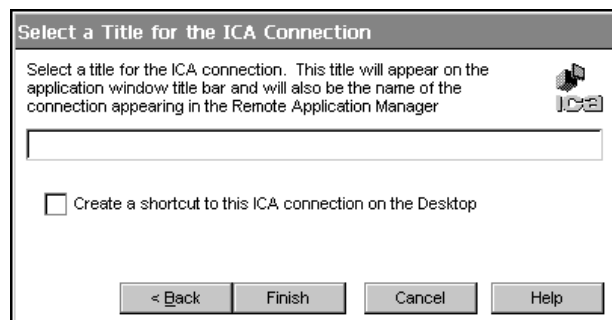
**Medium** results in less bandwidth consumption than when using **High**. Compression of sound data provides greater bandwidth efficiency but reduces

sound quality somewhat. This value is recommended for most LAN-based connections.

**Low** offers the most efficient use of bandwidth but also decreases sound quality severely. This value is recommended for low-bandwidth connections, including most modem connections.

Click **Next** to continue.

8. The **Select a Title for the ICA Connection** screen appears:



By default, the Citrix server or published application name appears in the edit field. You can accept this name or enter another. The name you choose will be the name of the entry in the Remote Application Manager list and will appear in the title bar of the ICA session window. Click **Finish**. Click **OK** to the confirmation message.

## Creating a Dial-In Connection

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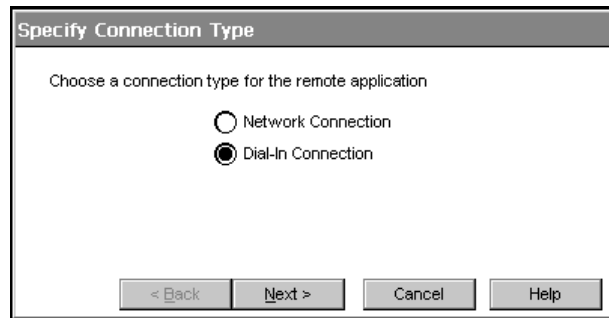
**Note** For added security, Citrix servers can be configured to use modem callback.

When using modem callback, the server hangs up on Dial-In connections at logon and then dials a specified number to reconnect to the user attempting to logon. Because Windows CE contains no mechanism to answer the return call, the ICA Windows CE Client does not support modem callback for Dial-In connections.

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► **To create a Dial-In connection**

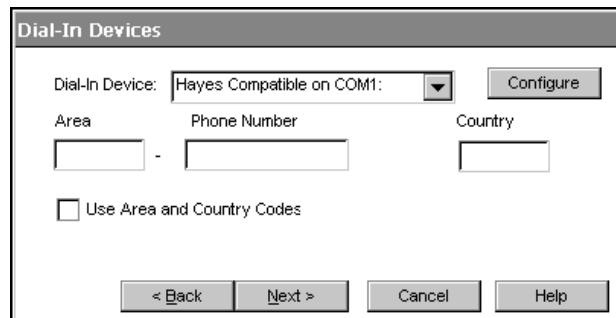
1. Start Remote Application Manager. Click **Entry** and then click **New**. The New Entry Wizard appears:



The dialog box titled "Specify Connection Type" contains the instruction "Choose a connection type for the remote application". It features two radio button options: "Network Connection" (unselected) and "Dial-In Connection" (selected). At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

Click **Dial-In Connection**. Make sure your modem is installed and properly configured. Click **Next** to continue.

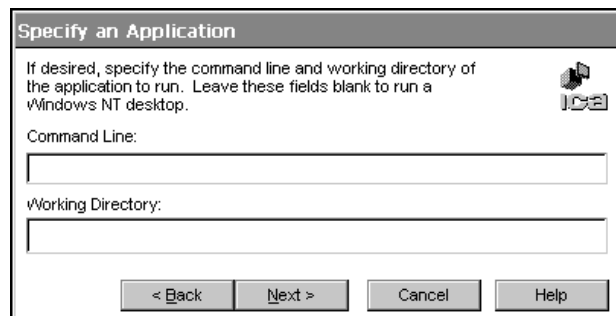
2. The **Dial-In Devices** screen appears:



The dialog box titled "Dial-In Devices" includes a "Dial-In Device:" label followed by a pull-down menu showing "Hayes Compatible on COM1:" and a "Configure" button. Below this are three input fields: "Area", "Phone Number", and "Country", separated by hyphens. A checkbox labeled "Use Area and Country Codes" is present and unchecked. At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

From the pull-down list, select your modem. In the **Area**, **Phone Number**, and **Country** fields, type the area code, phone number, and country code of the Citrix server. Click **Next**.

3. The **Specify an Application** screen appears:



The dialog box titled "Specify an Application" contains the instruction "If desired, specify the command line and working directory of the application to run. Leave these fields blank to run a Windows NT desktop." and a small icon of a desktop. It features two text input fields: "Command Line:" and "Working Directory:". At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

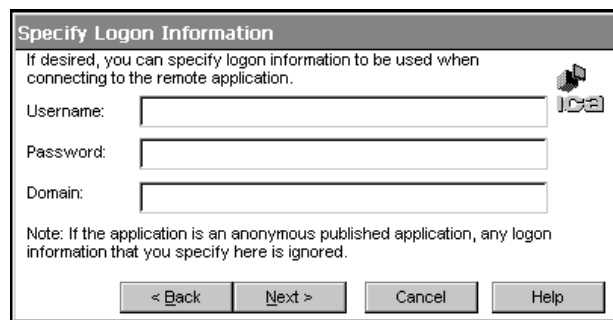
In the **Command Line** field, enter the path and name of an application to run on the server once the logon to the Citrix server is successful. Leave this field blank to run a Windows NT desktop on the Citrix server. **Working Directory** lets you

associate a directory with the application specified in the **Command Line** field. Enter the drive and path of the working directory in the **Working Directory** field.

For example, if the application Notepad.exe is in the C:\WTSRV directory on the Citrix server, type **C:\WTSRV\Notepad.exe** in the **Command Line** field. If you use Notepad to work on documents in the C:\My Documents directory, type **C:\My Documents** in the **Working Directory** field. When you log on to the Citrix server, Notepad begins. In Notepad, if you click the **File** menu, the directory C:\My Documents is displayed.

Click **Next**.

4. The **Specify Logon Information** screen appears:

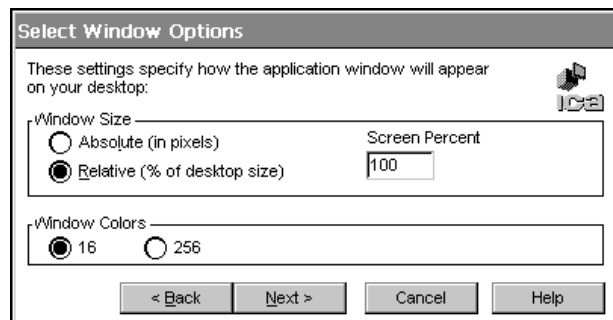


The dialog box titled "Specify Logon Information" contains the following elements:

- Header: Specify Logon Information
- Text: If desired, you can specify logon information to be used when connecting to the remote application.
- Fields: Username, Password, and Domain.
- Note: Note: If the application is an anonymous published application, any logon information that you specify here is ignored.
- Buttons: < Back, Next >, Cancel, and Help.

Enter a valid username, domain, and password. If you leave these fields blank you are prompted for your username, domain, and password when the ICA Windows CE Client connects to the Citrix server. Click **Next**.

5. The **Select Window Options** screen appears:



The dialog box titled "Select Window Options" contains the following elements:

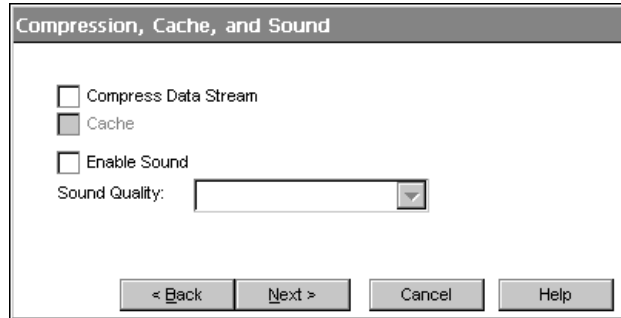
- Header: Select Window Options
- Text: These settings specify how the application window will appear on your desktop.
- Section: Window Size
  - Radio buttons: Absolute (in pixels), Relative (% of desktop size)
  - Text field: Screen Percent (value: 100)
- Section: Window Colors
  - Radio buttons: 16, 256
- Buttons: < Back, Next >, Cancel, and Help.

In the **Window Size** field, select **Absolute** or **Relative**. Absolute window sizes are specified in pixels. Relative window sizes are specified as the percentage of your local desktop you want the ICA session window to occupy.

In the **Window Colors** field, select 16 or 256 colors. When using a PPP connection, 16 color mode may provide better performance. If the window options specified exceed the capabilities of the client hardware, the maximum size and color depth supported by the Windows CE device are used instead. Click **Next**.



6. The **Compression, Cache, and Sound** screen appears:



Click **Compress Data Stream** to reduce the amount of data transferred between the ICA Windows CE Client and the Citrix server hosting the session. With most modem connections, enabling compression increases performance.

The **Cache** feature is not supported in this release.

Click **Enable Sound** to enable sound support. Remote applications will be able to play sounds on your client. From the pull-down list, select a sound presentation quality level.

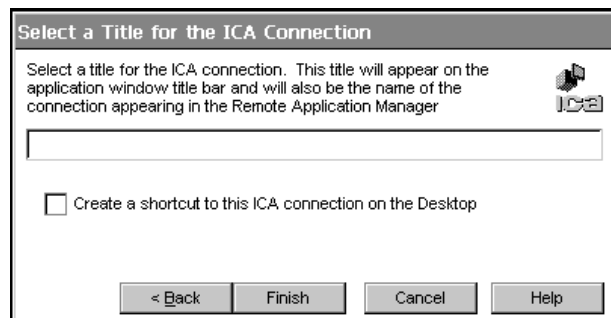
**High** provides the greatest audio quality but should only be used when bandwidth consumption is not a concern.

**Medium** results in less bandwidth consumption than when using **High**. Compression of sound data provides greater bandwidth efficiency but reduces sound quality somewhat. This value is recommended for most LAN-based connections.

**Low** offers the most efficient use of bandwidth but also decreases sound quality severely. This value is recommended for low-bandwidth connections, including most modem connections.

Click **Next** to continue.

7. The **Select a Title for the ICA Connection** screen appears:



Enter a name in the edit field. The name you choose will be the name of the entry in the Remote Application Manager list and will appear in the title bar of the ICA session window. Click **Finish**. Click **OK** to the confirmation message.

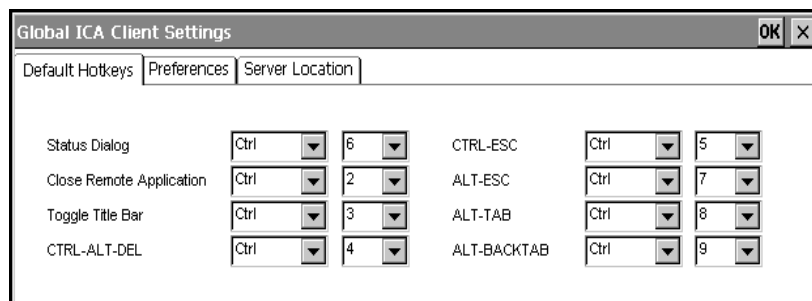
## Global ICA Windows CE Client Settings

The **Global ICA Client Settings** dialog box lets you define the default settings for all remote application entries created using Remote Application Manager. You can override some of these global settings by choosing your own values when using the New Entry wizard to create new entries or by using the **Properties** option of the **Entry** menu to edit existing entries. The **Global ICA Client Settings** dialog box contains three tabs: **Default Hotkeys**, **Preferences**, and **Server Location**.

### Default Hotkeys

The ICA Windows CE Client provides users with hotkeys that can be used during ICA sessions to control various functions. Some hotkeys control the behavior of the ICA Windows CE Client itself while others emulate standard Windows hotkeys. For example, the standard Windows hotkey ALT-ESC cycles the focus through the minimized icons and open windows of applications that you have run. Using this hotkey on your Windows CE device will cycle the focus through applications you have opened on your Windows CE device. If you are connected to a Citrix server and want to cycle the focus through applications you have opened remotely, you cannot press ALT+ESC because this key combination is reserved by the Windows CE device for its own use. Instead, use the ICA Windows CE Client hotkey CTRL+7.

To access the **Default Hotkeys** tab, click **View** and then click **Settings**.



Use the pull-down boxes in the **Default Hotkey** tab to customize the default hotkey key sequences.

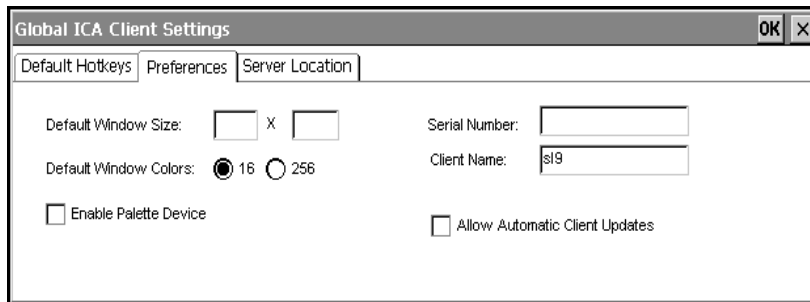
The following table describes ICA Windows CE Client hotkeys. The first column lists the hotkey's name or the name of a standard Windows hotkey. The second column lists the key sequence used to produce the hotkey in your ICA session, and the third column describes the hotkey's behavior.

Function	Key Sequence	Description
Status Dialog	CTRL+6	Displays ICA Windows CE Client connection status.

<b>Function</b>	<b>Key Sequence</b>	<b>Description</b>
Close Application	CTRL+2	Disconnects the ICA Windows CE Client from the Citrix server and closes the client window on the local desktop. Using this hotkey leaves the ICA session running in a disconnected state on the Citrix server. If you do not want to leave your session running in a disconnected state, log off instead.
Toggle Title Bar	CTRL+3	Alternately hides and displays the client window title bar. Use the title bar to drag the client window to different positions on the local desktop. Remove the title bar to maximize your work space.
CTRL-ALT-DEL	CTRL+4	Displays the <b>Windows NT Security</b> dialog box for the remote desktop.
CTRL-ESC	CTRL+5	On <i>WINFRAME</i> servers, this hotkey displays the remote Task List. On MetaFrame servers, the remote Windows NT <b>Start</b> menu appears.
ALT-ESC	CTRL+7	This hotkey cycles the focus through the minimized icons and open windows of applications run in your ICA session.
ALT-TAB	CTRL+8	This hotkey cycles through applications that have been opened in the ICA session. A popup box appears and displays the programs as you cycle through them. The selected application receives keyboard and mouse focus.
ALT-BACKTAB	CTRL+9	Like the ALT+TAB hotkey, this key sequence cycles through applications that have been opened in the ICA session but in the opposite direction. The chosen application receives keyboard and mouse focus.

## Preferences

Use the **Preferences** tab to change the default window size, color and other settings. To access the **Preferences** tab, click **View, Settings**, and then click **Preferences**.



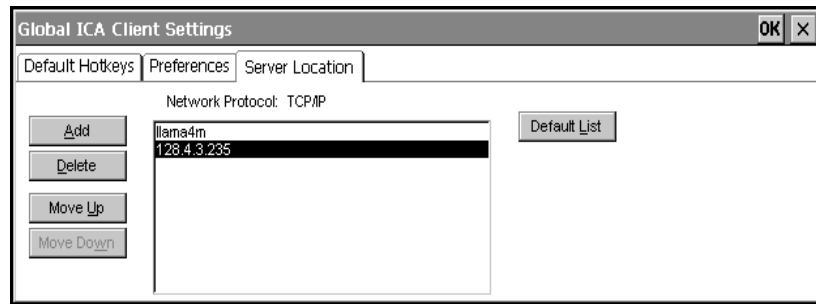
The **Preferences** tab contains the following fields:

- **Default Window Size.** Enter a window size in pixels up to the maximum screen resolution of the client device.
- **Default Window Colors.** In the Window Colors field, select 16 or 256 colors. When using a PPP connection, 16 color mode may provide better performance. If the window options specified exceed the capabilities of the client hardware, the maximum size and color depth supported by the Windows CE device are used instead.
- **Serial Number.** This is the serial number of your ICA Client software. This field is only necessary when you are using the ICA Windows CE Client with a product such as *WINFRAME* Host/Terminal, which requires each client to have a Citrix PC Client Pack serial number in order to connect to the server. If a serial number is required, you must enter it exactly as it appears on the Serial Number card. The **Serial Number** field is not used by MetaFrame servers.
- **Client Name.** This text box allows you to change the client name of your client device. The Citrix server uses the client name to uniquely identify resources (such as mapped printers) associated with a given client device. The client name should be unique for each computer running a copy of a Citrix ICA Client. If you do not use unique client names, device mapping and application publishing may not operate correctly.
- **Enable Palette Device.** If your device has a configurable hardware palette, click this field to increase graphic presentation performance. If no hardware palette is present on the device, enabling this feature causes graphics to display incorrectly.
- **Allow Automatic Client Updates.** This feature is not supported in this release..

## Server Location

Remote Application Manager uses the information entered in the **Server Location** tab to locate available Citrix servers and published applications.

To access the **Server Location** tab, click **View, Settings**, and then click **Server Location**.



The default value entered in the list is **Auto-Locate**. **Auto-Locate** automatically searches your network for the Citrix server that maintains the list of available Citrix servers and published applications. To use **Auto-Locate**, your Windows CE device and the Citrix server or published application you want to connect to must be on the same local network.

If you are on another network (for example, if you are on the other side of a router, across the Internet, or using RAS) you must enter the IP address or DNS name of a Citrix server on the network that contains the Citrix server or published application you want to connect to. The Remote Application Manager uses this server to locate the list of available Citrix servers and published applications on the network.

Use the **Add** and **Delete** buttons to add or delete Citrix servers from the **Address** list. Use the **Move Up** and **Move Down** buttons to order the list of Citrix servers used for server location. The higher the server appears in the list, the higher its priority for server location.

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**Important** Because RAS connects you to a remote network across the Internet, you must enter a Citrix server's IP address or DNS name in the **Address** field when using RAS to connect to a network that contains Citrix servers.

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## Importing ICA Files

The ICA Windows CE Client can use standard ICA files to connect to Citrix servers. To use an ICA file, Remote Application Manager must import the file and convert its connection configuration information to an entry in the remote application list. Importing ICA files simplifies setting up a standard group of connections, especially across multiple client devices.

► **To import an ICA file (or group of ICA files)**

1. Copy the ICA files to the \Citrix directory.
2. Start Remote Application Manager. The ICA files are displayed as connection entries.

## Printing to a Local Printer

With the Citrix ICA Client you can print to a printer attached to the COM or LPT port of your Windows CE device.

► **To print to a local printer in MetaFrame**

1. Click **Start** on the taskbar, point to **Settings**, then click **Printers** on the submenu.
2. In the **Printers** window you should see an icon for a network printer a name similar to *clientname#port* where *clientname* is the name you have assigned to your Windows CE device, and *port* is printer port on your Windows CE device, for example COM1 or LPT1.
3. If no client printer is available, double-click the **Add Printer** icon in the **Printers** window to run the **Add Printer Wizard**.
4. Click **Network printer server**, then click **Next**.
5. Double-click **Client Network**, and double-click **Client**.
6. Select the printer from the list displayed, and click **OK**.

Printer ports available on the Windows CE device have a name similar to *clientname#port*.

8. If you want this printer to be your default printer, click **Yes**, then click **Next**.
9. Click **Finish** to complete the process.

► **To print to a local printer in WINFRAME**

1. In the **Main** program group double-click the **Print Manager** icon.  
In the **Printer Manager** window you should see an icon, or open dialog box, for a network printer with a name similar to *clientname#port* where *clientname* is the name you have assigned to your Windows CE device, and *port* is printer port on your Windows CE device, for example COM1 or LPT1.
2. If no client printer is available, select **Connect to Printer...** from the **Printer** menu.
3. Double-click the **Client Network** icon in the **Shared Printer** list.
4. Double-click the **Client** icon.
5. Select the client printer icon, which will have a name similar to *clientname#port*, and click **OK**.
6. If you want this printer to be your default printer select it in the **Default** menu at the top of the **Printers** window.

## Accessing Local Drives

If applicable the ICA Client automatically allows you to access local Windows CE disks and folders from the Citrix server session as PC drive letters.

- ▶ **To access your local Windows CE drives in MetaFrame**
  - Double-click on **My Computer** in the MetaFrame session.  
Local drives will be shown as networked drives mapped to the first available drive letter.
  
- ▶ **To access your local Windows CE drives in WINFRAME**
  - Open the **File Manager** in the *WINFRAME* session.  
Local drives will be shown as networked drives mapped to the first available drive letter.

## Optimizing ICA Windows CE Client Use

The small display size of some Windows CE-based devices may limit what can be displayed on screen and cause users difficulty accessing applications. For example, when you connect to a Citrix server (as opposed to a published application) your session window contains an entire Windows NT desktop. The first time you click the Windows **Start** menu in a MetaFrame server ICA session, you will probably notice that the menu runs off the screen, and the upper part of the **Start** menu is not accessible.

With published application connections, you may notice that the dialog boxes (such as the standard Windows **Save As** and **Open** dialog boxes) associated with your applications are only partially visible or are difficult to reach because they do not size themselves to small displays.

Use the following procedures to make your ICA sessions more usable:

- Use Softkey to scroll applications on the remote desktop and to emulate function keys. See “Using Softkey” below.
- Maximize the workspace on your desktop by hiding the Windows CE taskbar.
- Configure small icons in the Windows **Start** menu in a MetaFrame server ICA session.
- Use the ICA Windows CE Client hotkeys to control the behavior of the ICA Windows CE Client and to emulate standard Windows hotkeys. See the topic “Default Hotkeys” in the “Global ICA Windows CE Client Settings” section of this documentation for more information.

## Using Softkey

Softkey is a utility that lets you scroll applications on the remote desktop and emulate standard PC Functions (F keys). Softkey is useful when the small screen size of a client device makes dialog boxes unreachable or when a client device lacks F keys.

---

**Note** The following procedure assumes the Softkey executable (Softkey.exe) is located in the %systemroot%\system32 directory on the Citrix server. MetaFrame servers automatically have Softkey in their %systemroot%\system32 directory, but *WINFRAME* servers do not. To use Softkey on a *WINFRAME* server, ask an

administrator to configure the server for Softkey use. Once Softkey is placed in the %systemroot%\system32 directory, the following procedure will work for ICA connections to *WINFRAME* servers. (Administrators can also place the Softkey program in the Startup group on the Citrix server so that it is started automatically when users log on.)

---

► **To use Softkey during an ICA session**

1. Make a server connection to a Citrix server.
2. When connected to a *WINFRAME* server, click the **File** menu in Program Manager and then click **Run**. If you have connected to a MetaFrame server, click the **Start** menu and then click **Run**.
3. In the **Run** dialog box, type **softkey** and press ENTER. The Softkey toolbar appears:



The arrow buttons scroll applications on your remote desktop that are cut off by the small display size of some client devices. Use the button with the cross hairs to return windows repositioned with the arrow buttons to their original positions. Click **FK** to display the function keys toolbar:



Softkey's function keys emulate standard PC F key functions. Click **Movable** to move the Softkey toolbar from the top of your display.

## Auto Hide the Local Taskbar

To conserve screen space, auto hide your local Windows CE taskbar. Once you configure the taskbar to auto hide, the taskbar disappears and reappears only when you click the bottom of your screen. Any applications you run can make use of this space.

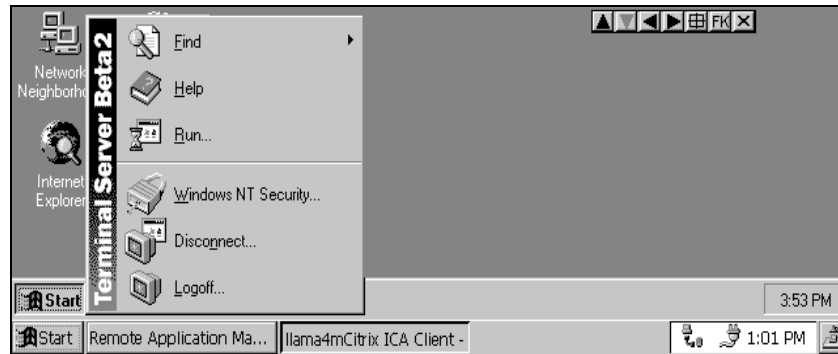
► **To auto hide the taskbar**

1. Before making a connection to a Citrix server, hold down the ALT key and click anywhere in the Windows CE taskbar. Click **Properties**.
2. The **Taskbar Properties** menu appears. Select **Auto hide** and then click **OK**. The taskbar disappears. To use the taskbar, click the screen where the taskbar normally appears.



## Using Small Start Menu Icons

The MetaFrame **Start** menu displays large icons by default. On a Windows CE device, these icons may take up too much screen space (that is, certain parts of the menu may be unreachable), as shown in the example below:



Use the following procedure to display small icons in the MetaFrame **Start** menu.

- ▶ **To display small start menu icons**
  1. Make a connection to a MetaFrame server.
  2. Once you have logged on and the desktop appears, start the program Softkey. (See “Using Softkey” above.)
  3. Hold down the ALT key and click somewhere in the remote Windows taskbar. Make sure you click the remote taskbar and not the local taskbar. In the popup menu, click **Properties**. The **Taskbar Properties** dialog box appears.
  4. The **Taskbar Properties** dialog box is only partly visible. Click the down arrow on the Softkey bar to scroll the **Taskbar Properties** dialog box up. Select **Show small icons in Start menu**. Click **OK**.
  5. When you return to the remote desktop, click **Start** in the remote desktop’s taskbar.



The menu now displays small icons.

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**Note** For more desktop space in your ICA session, use the toggle title bar hotkey (CTRL+3) to hide the client title bar. (The title bar is hidden by default when your ICA session window has a relative size of 100%.)

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