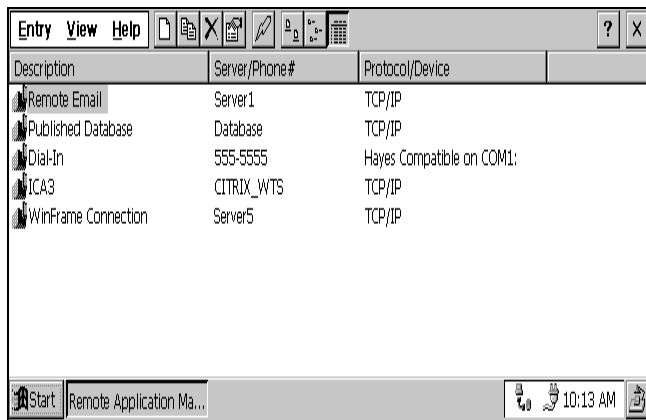


# Citrix ICA Windows CE Client Quick Reference Card



This Quick Reference Card describes how to use the Citrix ICA Windows CE Client to connect to a Citrix MetaFrame or *WINFRAME* server and run remote applications. Topics covered include:

- Requirements
- Installing the ICA Windows CE Client
- Starting the ICA Windows CE Client
- Connecting to a Citrix server
- Using ICA Client features
  - ICA Windows CE Client hotkeys
  - Accessing local drives
  - Accessing local printers
  - Audio mapping
- Terminating the session

For more information, see the online help. Access the online help for the ICA Windows CE Client by tapping the **Help** menu in Remote Application Manager.

## 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

## Connectivity

The ICA CE Client offers users three different methods of connecting to Citrix servers.

- Network remote control access through a local TCP/IP network connection; 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; the client device is connected to a remote network's RAS server through a modem. Once connected to this network, the user can run the ICA Windows CE Client to connect to Citrix servers.
- Dial-In async remote control over a modem connection; the client device uses a modem to communicate directly with a modem on the Citrix server and does not use RAS.

## Installing the ICA Windows CE Client

The ICA Windows CE Client provides two installation methods: *PC installation* and *local installation*. *PC installation* lets you run a setup program on your PC that downloads all necessary files onto the connected CE device. *Local installation* lets you run a setup program directly on the CE device.

- ▶ **To install the ICA Windows CE Client (PC installation)**
  1. Establish a connection between the CE device and your desktop PC.
  2. Double-tap the **ICA Setup** icon on your PC and follow the instructions that appear on the screen.
  3. Once installation is complete, tap **Start, Programs, ICA CE Client**, and then **Remote Application Manager**.
  4. When prompted, enter a unique name for your device and tap **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 (local installation)**

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

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

1. On the CE desktop, tap **Start**, point to **Programs**, point to **ICA CE Client**, and then tap **ICA Uninstall**.
2. Tap **Yes** to the confirmation boxes. Tap **OK** to complete uninstallation.









## Starting the ICA Windows CE Client

▶ **To start the ICA Windows CE Client**

- On your desktop, tap **Start**. Point to **Programs** and select **Citrix ICA CE Client**. Tap **Remote Application Manager** to start the Remote Application Manager.

## Toolbar Buttons

The ICA Windows CE Client toolbar contains the following buttons:

Toolbar button	Action performed
	Add a new remote application entry.
	Copy the selected remote application entry.
	Delete the selected remote application entry.
	Edit or view the selected remote application.
	Connect to the selected remote application.
	Display connection entries as large icons.
	Display connection entries as small icons.
	Display connection entries in details list.

## Creating a Connection Entry

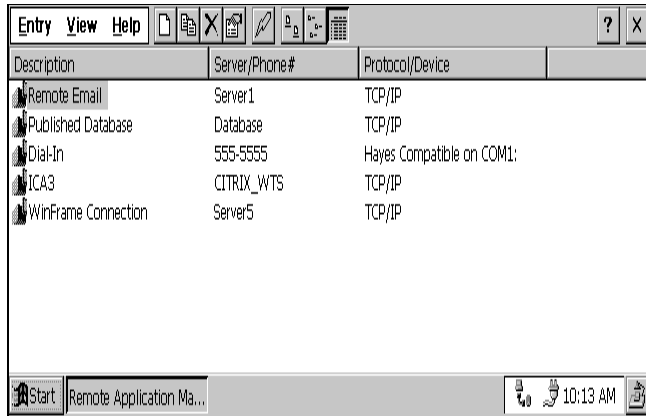
The following procedure describes how to create a basic network connection to a Citrix server. The ICA Windows CE Client offers additional connection configuration options besides those described here.

▶ **To create a network connection**

1. Start Remote Application Manager. Tap **Entry** and then tap **New**. The New Entry Wizard appears. Tap **Network Connection**. Tap **Next** to continue.
2. In the **Select a Citrix Server or Published Application** screen, tap **Citrix Server** or **Published Application**. Citrix server connections let you access the desktop of a Citrix server and run any applications available on the desktop, in any order. A published application is a predefined application and its associated environment. 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 if no names appear in the list. Tap **Next**.
3. The **Specify an Application** screen appears (this screen does not appear for published application connections). In the **Command Line** field, enter the path and name of an application to run on the server after logon. Leave this field blank to run a Windows NT desktop on the Citrix server. In the **Working Directory** field, enter the drive and path of the working directory to associate with a specified application. Tap **Next**.
4. In the **Specify Logon Information** screen, enter a valid username, domain, and password. If you leave these fields blank, you are prompted for your username, domain, and password upon connection to the Citrix server. Tap **Next**.
5. 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 a percentage of your local desktop. In the **Window Colors** field, select 16 or 256 colors. Tap **Next**.
6. The **Compression, Cache, and Sound** screen appears. Tap **Compress Data Stream** to reduce the amount of data transferred between the ICA Windows CE Client and the Citrix server. Tap **Enable Sound** to enable sound support. From the pull-down list, select a sound presentation quality level (see the online help for bandwidth restriction information). Tap **Next**.

- The **Select a Title for the ICA Connection** screen appears. Accept the name entered in the field or enter another. Tap **Finish**. Tap **OK** to the confirmation message.

## Connecting to a Citrix Server



### ▶ To start a previously defined connection using Remote Application Manager

- Double-tap the desired entry in the list, or place the cursor bar on the desired entry and tap the **Connect** button on the toolbar, or choose **Connect** from the **Entry** menu. If the remote application entry contains a valid user name and password, the ICA Client logs in as that user name. If no user name and password are present in the entry, the server logon screen appears. Enter a valid user name and password for the Citrix server and tap **OK** to begin the session.

## Using ICA Windows CE Client Features

After you remote connect to a Citrix server or published application, the ICA Windows CE Client provides additional features that make remote control computing just like using a desktop computer. The ICA Windows CE Client provides users with hotkeys, clipboard support, and access to local storage devices and printers.

## ICA Windows CE Client Hotkeys

The Citrix Windows CE Client provides hotkeys that can be used to control various functions while in an ICA session. 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 cycles the focus through the applications you have opened on your CE device. If you are connected to a Citrix server and would like to cycle the focus through applications you have opened remotely, you cannot press ALT+ESC because this key combination is reserved by the CE device for its own use. Instead, use the ICA Windows CE Client hotkey CTRL+7.

To configure hotkeys, tap the Remote Application Manager **View** menu and then tap **Settings**.

Key sequence*	Description
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.
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+4	Sends the standard Windows CTRL+ALT+DEL hotkey to the Citrix server running the remote application. This hotkey displays the Windows NT Security desktop in the ICA session.
CTRL+5	Sends the standard Windows CTRL+ESC hotkey to the Citrix server running the remote application. When using this hotkey during an ICA session on a <i>WINFRAME</i> server, the remote Task List appears. For MetaFrame ICA sessions, the remote Windows NT Start menu appears.
CTRL+6	Displays ICA Windows CE Client connection status.
CTRL+7	Sends the standard Windows hotkey ALT+ESC to the Citrix server running the remote application. Use this hotkey to cycle through maximized and minimized windows of programs that have been opened in the ICA session.
CTRL+8	Sends the standard Windows hotkey ALT+TAB to the Citrix server running the remote application. Use this hotkey to cycle through applications that have been opened in the ICA session. A popup box appears and displays the programs as you cycle through them.
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.

\* The key sequences in the left column are default values and can be changed using Remote Application Manager.

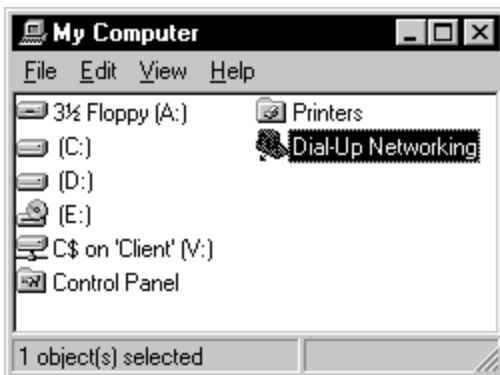
## Accessing Local Drives

If applicable, the ICA Client includes client drive mapping. *Client drive mapping* makes the local drives of the client device available to users when they connect to a Citrix server. Accessing a local drive requires no manual configuration by the user of the CE device.

When a Citrix server is configured to allow client drive mapping, users can access their locally stored files, work with them during their ICA sessions, and then save them again either on a local drive or on a drive on the Citrix server.

### ▶ To view mapped client drives when connected to a MetaFrame server

- From within the ICA Client session, double-tap **My Computer** on the remote desktop. The **My Computer** screen appears:



In this example, drives A, C, D, and E are storage devices on the MetaFrame server. The CE device's drive is mapped to drive V on the MetaFrame server; a user can access the client drive in this ICA session by using the drive letter V for any operation. The drive letter assigned to a mapped drive depends upon which drive letters are already in use by the Citrix server. Your mapped drives may take different drive letters than shown in the example above.

Published applications and ICA server connections that run a specified initial program offer users the same access to their local drives. When connected to published applications, users can access local drives in the same way they would when using locally run applications.

### ▶ To access your local Windows CE drives when connected to a WINFRAME server

- Open **File Manager** in the ICA session. Local drives appear as network drives mapped to the first available drive letter.

## Accessing Local Printers

*Client printer mapping* lets users access printers attached to their client computers during ICA sessions. When a Citrix server is configured to allow client printer mapping, applications running remotely on the Citrix server can print to local printers. ICA Client users can print to a printer attached to the COM or LPT port of the CE device.

Published applications and ICA server connections configured to run a specified initial program offer users the same access to their local printers. When connected to published applications, users can print to local printers in the same way they would print to a local printer when using locally run applications. When using an application's print commands, select the local mapped printer from the list of available printers.

### ▶ To print to a local printer when connected to a MetaFrame server

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

▶ **To print to a local printer when connected to a WINFRAME server**

1. In the **Main** program group double-tap **Print Manager**. 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 a printer port on your Windows CE device, for example COM1 or LPT1.
2. If no client printer is available, from the **Printer** menu, tap **Connect to Printer**.
3. In the **Shared Printer** list, double-tap **Client Network**.
4. Double-tap the **Client** icon.
5. Select the client printer icon, which will have a name similar to *clientname#port*, and tap **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.

## Audio Mapping

*Audio mapping* allows client computers to play sounds generated by remote applications running on the Citrix server. Citrix audio support includes configurable sound quality levels that allow users to customize sound presentation based upon the desired sound presentation quality and the amount of bandwidth available to client systems. Audio mapping is transparent and needs no special procedures once it is configured.

Configure audio mapping from the Remote Application Manager **Add a new Remote application** wizard or from the **Properties** menu.

## Ending a Citrix Server Connection

Citrix servers support two types of connection termination. Users can log off or disconnect. *Logging off* ends the user's session and hangs up the modem if a modem is in use. *Disconnecting* leaves a user's session executing on the server. The user can reconnect to that session and resume any tasks left executing on the server. For example, a user can connect to a Citrix server and execute an application that requires an extended period of time to complete a task. After starting the task, the user can disconnect the session. The user can later reconnect to the session to retrieve the results of the operation.

▶ **To log off from a Citrix server connection during an active session**

- To log off from a *WINFRAME* server, tap **File** in Program Manager in your active session and then tap **Logoff**. Tap **OK** to the confirmation message.  
To log off from a MetaFrame server, tap **Start** in your active session and then tap **Logoff**. Tap **OK** to the confirmation message.

▶ **To disconnect from a Citrix server connection during an active session**

- To disconnect from a *WINFRAME* server, tap **File** in Program Manager in your active session and then tap **Disconnect**. Tap **OK** to the confirmation message.  
To disconnect from a MetaFrame server, tap **Start** in your active session and then tap **Disconnect**. Tap **OK** to the confirmation message.

▶ **To exit the ICA Windows CE Client**

- In Remote Application Manager, tap the **Entry** menu and then tap **Exit** or press ALT+F4.