

**Citrix Presentation Server Program Neighborhood
Client for 32-bit Windows® Configuration Guide,
Version 9.0
(.ini/.ica File Reference)**

**Citrix® Presentation Server™ 4.0 for Windows
Citrix Access Suite**

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Contents

| | |
|----------------------------------------------------------------|----|
| Chapter 1 Before You Begin | 11 |
| How to Use this Guide | 11 |
| Document Conventions | 12 |
| Getting More Information and Help | 13 |
| Product Documentation | 13 |
| Accessing Documentation | 13 |
| Getting Service and Support | 14 |
| Subscription Advantage | 14 |
| Citrix Developer Network | 15 |
| Education and Training | 15 |
| Chapter 2 Introducing the Client .ini and .ica Files | 17 |
| Overview | 17 |
| About the Client .ini Files | 17 |
| Customizing Installer Set .ini Files | 18 |
| About .ica Files | 20 |
| Chapter 3 Program Neighborhood Client .ini Files | 21 |
| .Ini File Basic Structure | 21 |
| appsrv.ini | 22 |
| modem.ini | 22 |
| module.ini | 23 |
| pn.ini | 24 |
| uistate.ini | 24 |
| wfclient.ini | 24 |
| wfcname.ini | 25 |
| wfcsetup.ini | 25 |
| filename.idx | 25 |
| filename.vl | 26 |
| Client .ini File Precedence | 26 |

| | |
|-----------------------------------|----|
| Chapter 4 File Sections | 29 |
| applicationservername | 29 |
| ApplicationServers | 29 |
| applicationsetname | 30 |
| ClientComm | 30 |
| ClientPrinterQueue | 30 |
| Encoding | 30 |
| EncRC5-[] | 31 |
| ICA 3.0 | 31 |
| Modems | 31 |
| modemdrivename | 31 |
| Program Neighborhood | 32 |
| ProtocolDriver | 32 |
| protocoldrivename | 32 |
| serverentryname | 32 |
| ThinWire3.0 | 32 |
| TransportDriver | 33 |
| transportdrivename | 33 |
| VirtualDriver | 33 |
| virtualdrivename | 33 |
| WFClient | 34 |
| WinStationDriver | 34 |
| winstationdrivename | 34 |

| | |
|-------------------------------------------|----|
| Chapter 5 Parameters | 35 |
| [Protocol]BrowserAddress | 36 |
| AddICAIconOff | 37 |
| Address | 38 |
| AlwaysSendPrintScreen | 38 |
| ApplicationSetManagerIconOff | 39 |
| AudioBandwidthLimit | 39 |
| AutoLogonAllowed | 40 |
| BrowserProtocol | 40 |
| BrowserRetry | 41 |
| BrowserTimeout | 42 |
| BufferLength | 42 |
| BufferLength2 | 42 |
| CDMAAllowed | 43 |
| ClientAudio | 43 |
| ClientName | 44 |
| ColorMismatchPrompt_Have16_Want256 | 44 |
| ColorMismatchPrompt_Have16M_Want256 | 45 |
| ColorMismatchPrompt_Have64K_Want256 | 45 |
| COMAllowed | 45 |
| Compress | 46 |
| CommPollSize | 46 |
| CommPollWaitInc | 47 |
| CommPollWaitIncTime | 47 |
| CommPollWaitMax | 47 |
| CommPollWaitMin | 48 |
| ConnectType | 48 |
| CPMAAllowed | 49 |
| CustomConnectionsIconOff | 49 |
| DefaultSoundType | 49 |
| DefaultVideoType | 50 |
| DeferredUpdateMode | 50 |
| Description | 51 |
| DesiredColor | 51 |
| DesiredHRES | 52 |
| DesiredVRES | 52 |

| | |
|---------------------------------------------|----|
| DesiredWinType | 53 |
| DisableCtrlAltDel | 54 |
| DisableSound | 54 |
| DisableUPDOptimizationFlag | 54 |
| Domain | 55 |
| DoNotUseDefaultCSL | 55 |
| DragoutOff | 57 |
| DriverNameWin32 | 57 |
| EnableSSOnThruICAFile | 57 |
| EnableOssOnWin9xMe | 58 |
| Encrypt | 58 |
| EncryptionLevel | 59 |
| EncryptionLevelSession | 59 |
| FastIdlePollDelay | 60 |
| FindNewApplicationSetIconOff | 60 |
| ForceLVBMode | 61 |
| Hotkey[1, . . . , 10]Char | 61 |
| HotKey[1, . . . , 10]Shift | 62 |
| HowManySkipRedrawPerPaletteChange | 62 |
| HttpBrowserAddress | 62 |
| ICAHttpBrowserAddress | 63 |
| ICAKeepAliveEnabled | 63 |
| ICAKeepAliveInterval | 63 |
| ICAPortNumber | 64 |
| ICASOCKS[] | 64 |
| ICASOCKSProtocolVersion | 65 |
| ICASOCKSProxyHost | 65 |
| ICASOCKSProxyPortNumber | 65 |
| ICASOCKSrfc1929Password | 66 |
| ICASOCKSrfc1929UserName | 66 |
| ICASOCKSTimeout | 66 |
| IconIndex | 66 |
| IconPath | 67 |
| InitialProgram | 67 |
| InputEncoding | 68 |
| IpxBrowserAddress | 68 |
| KeyboardLayout | 68 |

| | |
|---------------------------------------|----|
| KeyboardSendLocale | 69 |
| KeyboardTimer | 69 |
| KeyboardType | 70 |
| LanaNumber | 70 |
| Loc[Protocol]BrowserAddress | 70 |
| LocHttpBrowserAddress | 71 |
| LocIpxBrowserAddress | 71 |
| LocNetBiosBrowserAddress | 71 |
| LocTcpBrowserAddress | 71 |
| LogAppend | 71 |
| LogConnect | 72 |
| LogErrors | 72 |
| LogFileGlobalPath | 72 |
| LogFileWin32 | 73 |
| LongCommandLine | 73 |
| MaximumCompression | 74 |
| MouseTimer | 75 |
| NameEnumerator | 75 |
| NameResolver | 76 |
| NativeDriveMapping | 76 |
| NetBiosBrowserAddress | 76 |
| NoAutoDetectProtocol | 77 |
| NoDeskInt. | 77 |
| NoSavePwordOption | 78 |
| Password | 78 |
| PersistentCacheEnabled | 79 |
| PersistentCacheGlobalPath | 79 |
| PersistentCacheMinBitmap | 80 |
| PersistentCachePath | 80 |
| PersistentCacheSize | 81 |
| PingServer | 81 |
| PNCacheRefresh | 82 |
| PNCacheVersion | 82 |
| PNDefault | 82 |
| PNName | 83 |
| PNUIHeight | 83 |

| | |
|-----------------------------------------------|----|
| PNUIHPos | 83 |
| PNUINoAutoSearch. | 84 |
| PNUIShowSB. | 84 |
| PNUIShowTB | 85 |
| PNUIShowTBText. | 85 |
| PNUIViewType | 86 |
| PNUIVPos | 86 |
| PNUIWidth. | 87 |
| PreferTw1 | 87 |
| ProtocolSupport | 88 |
| Proxy[] | 89 |
| ProxyAutoConfigURL. | 89 |
| ProxyBypassList. | 89 |
| ProxyFallback. | 90 |
| ProxyFavorIEConnectionSetting. | 90 |
| ProxyHost. | 91 |
| ProxyPassword. | 91 |
| ProxyTimeout. | 91 |
| ProxyType | 92 |
| ProxyUsername | 92 |
| ProxyUseFQDN. | 93 |
| Reliable | 93 |
| RuntimePrompt | 94 |
| SavePNPassword | 94 |
| ScreenPercent | 95 |
| SecureChannelProtocol | 95 |
| SessionReliabilityTTL | 95 |
| serverentryname | 96 |
| SkipRedrawPerPaletteChange | 96 |
| SpeedScreenMMAAudioEnabled | 96 |
| SpeedScreenMMAMinBufferThreshHold | 96 |
| SpeedScreenMMAMaximumBufferSize | 97 |
| SpeedScreenMMAMaxBufferThreshHold | 97 |
| SpeedScreenMMAMinBufferThreshHold | 97 |
| SpeedScreenMMAPlaybackPercent | 98 |
| SpeedScreenMMASecondsToBuffer | 98 |
| SpeedScreenMMAVideoEnabled | 98 |
| SSLCertificateRevocationCheckPolicy | 99 |

| | |
|---------------------------|-----|
| SSLCiphers | 100 |
| SSLCommonName | 101 |
| SSLEnable | 101 |
| SSLNoCACerts | 101 |
| SSLProxyHost | 102 |
| SSOnCredentialType | 102 |
| SSOnUserSetting | 103 |
| SucConnTimeout | 103 |
| SwapButtons | 104 |
| TcpBrowserAddress | 104 |
| TransparentKeyPassthrough | 104 |
| TransportDriver | 105 |
| TransportReconnectEnabled | 106 |
| TransportReconnectRetries | 106 |
| TW2CachePower | 106 |
| TWIIgnoreWorkArea | 107 |
| TWIMode | 107 |
| TWISeamlessFlag | 108 |
| TWIShrinkWorkArea | 108 |
| UpdatesAllowed | 109 |
| UseAlternateAddress | 109 |
| UseDefaultEncryption | 110 |
| UseDefaultSound | 111 |
| UseDefaultWinColor | 112 |
| UseDefaultWinSize | 112 |
| UseLocalUserAndPassword | 113 |
| Username | 113 |
| Version | 114 |
| VirtualDriver | 114 |
| VSLAllowed | 115 |
| WinStationDriver | 115 |
| winstationdrivername | 115 |
| XmlAddressResolutionType | 116 |
| ZLKeyboardMode | 116 |
| ZLMouseMode | 117 |

Chapter 6 Registry Settings 119
Extending the Time to Open Outlook Attachments as Published Applications . . 119
Detecting High CPU Utilization with Auto Select Network Cards 120
Setting the Pass-Through Client Name 120
Setting Pass-Through Logoff Sessions 121
Appendix A Citrix License Agreement 123

Before You Begin

This configuration guide is intended for Citrix administrators who want to extend and customize the capabilities of the Citrix Presentation Server Program Neighborhood Client. This document supplements the *Client for 32-bit Windows Administrator's Guide*.

How to Use this Guide

To get the most out of this Configuration Guide, review the table of contents to familiarize yourself with the topics discussed.

This guide contains the following sections:

| Chapter | Contents |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Chapter 1, "Before You Begin" | An overview of this document. |
| Chapter 2, "Introducing the Client .ini and .ica Files" | An introduction to ICA Client .ini and .ica files. |
| Chapter 3, "Program Neighborhood Client .ini Files" | A description of the contents and function of the Program Neighborhood Client .ini files. |
| Chapter 4, "File Sections" | A description of .ini/.ica file sections. |
| Chapter 5, "Parameters" | A comprehensive catalog of relevant parameters, including a description of keys and a list of supported values for each. |
| Chapter 6, "Registry Settings" | A description of the configurable registry settings in the client. |
| Appendix A | The Citrix License Agreement. |

Document Conventions

This documentation uses the following typographic conventions for menus, commands, keyboard keys, and items in the program interface:

| Convention | Meaning |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Boldface | Commands, names of interface items such as text boxes, option buttons, and user input. |
| <i>Italics</i> | Placeholders for information or parameters that you provide. For example, <i>filename</i> in a procedure means you type the actual name of a file. Italics are also used for new terms and the titles of books. |
| %SystemRoot% | The Windows system directory, which can be WTSRV, WINNT, WINDOWS, or any other name you specify when you install Windows. |
| Monospace | Text displayed in a text file. |
| { braces } | A series of items, one of which is required in command statements. For example, { yes no } means you must type yes or no . Do not type the braces themselves. |
| [brackets] | Optional items in command statements. For example, [/ping] means that you can type /ping with the command. Do not type the brackets themselves. |
| (vertical bar) | A separator between items in braces or brackets in command statements. For example, { /hold /release /delete } means you type /hold or /release or /delete. |
| ... (ellipsis) | You can repeat the previous item or items in command statements. For example, /route:devicename[...] means you can type additional <i>devicenames</i> separated by commas. |

Getting More Information and Help

This section describes how to get more information about Citrix Presentation Server and the support that is available.

Product Documentation

The documentation for Citrix Presentation Server includes online guides, known issues information, and Help.

Online guides are provided as Adobe Portable Document Format (PDF) files. To view, search, and print the PDF documentation, you need Adobe Acrobat Reader 5.0.5 with Search, or Adobe Reader 6.0 through 7.0. You can download these products for free from Adobe Systems' Web site at <http://www.adobe.com/>.

Accessing Documentation

The Document Center provides a single point of access to the online guides and known issues information and enables you to go straight to the section in the documentation that you need. It also includes:

- A list of common tasks and a link to each item of documentation.
- A search function that covers all the PDF guides. This is useful when you need to consult a number of different guides.
- Cross-references among documents. You can move among documents as often as you need using the links to other guides and the links to the Document Center.

You can access the Document Center from the product CDs or install it on your servers when you install MetaFrame Presentation Server and its components.

To start the Document Center

1. From your product CD, navigate to the \Documentation folder.

—or—

On a server on which you installed the Document Center, select **Documentation** from the Citrix program group on the server's **Start** menu.

2. Open **document_center.pdf**. The Document Center appears.

If you prefer to access the documentation without using the Document Center, you can navigate to the individual files using Windows Explorer.

Getting Service and Support

Citrix provides technical support primarily through the Citrix Solutions Advisors Program. Contact your supplier for first-line support or check for your nearest Solutions Advisor at <http://www.citrix.com/site/partners>.

In addition to the Citrix Solutions Advisors Program, Citrix offers a variety of self-service, Web-based technical support tools from its Knowledge Center at <http://support.citrix.com/>. You can also access the Knowledge Center through the Citrix on the Web option on the MetaFrame Presentation Server Setup screen. Knowledge Center features include:

- A knowledge base containing thousands of technical solutions to support your Citrix environment.
- An online product documentation library.
- Interactive support forums for every Citrix product.
- Access to the latest hotfixes and service packs.
- Security bulletins.
- Online problem reporting and tracking (for customers with valid support contracts).
- Citrix Live Remote Assistance. Using Citrix's remote assistance product, GoToAssist, a member of our support team can view your desktop and share control of your mouse and keyboard to get you on your way to a solution.

Another source of support, Citrix Preferred Support Services, provides a range of options that allows you to customize the level and type of support for your organization's Citrix products.

Subscription Advantage

Subscription Advantage gives you an easy way to stay current with the latest server-based software functionality and information. Not only do you get automatic delivery of feature releases, software upgrades, enhancements, and maintenance releases that become available during the term of your subscription, you also get priority access to important Citrix technology information.

You can find more information on the Citrix Web site at <http://www.citrix.com/services/> (select Subscription Advantage). You can also contact your Citrix sales representative or a member of the Citrix Solutions Advisors Program for more information.

Citrix Developer Network

The Citrix Developer Network (CDN) is at <http://www.citrix.com/cdn/>. This open-enrollment membership program provides access to developer toolkits, technical information, and test programs for software and hardware vendors, system integrators, ICA licensees, and corporate IT developers who incorporate Citrix computing solutions into their products.

Most of the operations that you can perform using the MetaFrame Presentation Server user interface can also be scripted by using the MetaFrame Presentation Server Software Development Kit (MPSSDK), available from <http://www.citrix.com/cdn/>. The MPSSDK also enables you to customize most aspects of MetaFrame Presentation Server.

Education and Training

Citrix offers a variety of instructor-led training and Web-based training solutions. Instructor-led courses are offered through Citrix Authorized Learning Centers (CALCs). CALCs provide high-quality classroom learning using professional courseware developed by Citrix. Many of these courses lead to certification.

Web-based training courses are available through CALCs, resellers, and from the Citrix Web site.

Information about programs and courseware for Citrix training and certification is available from <http://www.citrix.com/edu/>.

Introducing the Client .ini and .ica Files

Overview

The application settings of the Presentation Server Program Neighborhood Client for 32-bit Windows are controlled by a number of initialization (.ini) files.

Aspects of application settings include connection properties, session properties, and user interface (UI) settings.

The Web Client does not use .ini files. All connection properties for the Web Client are specified in .ica files.

About the Client .ini Files

The following .ini files are associated with the client:

- “appsrv.ini”
- “modem.ini”
- “module.ini”
- “pn.ini”
- “uistate.ini” (not user-configurable)
- “wfclient.ini”
- “wfcname.ini”
- “wfcsetup.ini” (used only in versions 6.0 and earlier)

See Chapter 3 for a detailed description of these files.

The client installer files (ica32pkg.msi, ica32.exe) contain a set of source files (installer set). When you install the client on a given client device, a set of .ini files is created from the installer set and placed in the C:\Program Files\Citrix\ICA Client and other directories of the client device (client set). Finally, a set of .ini files is created from the client set and placed in the associated %userprofile%\Application Data\ICAClient directory when you add the client to a given user profile (profile set).

The client reads and applies the settings configured in the .ini files when it starts up. Conversely, changes made to and from the client user interface (UI) by a given user are written to that user's profile set of .ini files and saved when the client exits, then read in again when the same user starts the client the next time.

The .ini files the client modifies are:

- “appsrv.ini”
- “pn.ini”
- uistate.ini (not user-configurable)
- “wfclient.ini”

The client does not modify module.ini, modem.ini, and wfcsetup.ini.

You can customize .ini file configurations at three levels:

- At the installer set level, prior to deploying the client to users
- At the client set level, after installing the client on a given client device but prior to adding it to user profiles
- At the profile set level, after adding the client to a given user profile

This document focuses on customizing .ini files at the installer set level.

To customize .ini files at the client set level

Follow Step 4 of the following procedure, “Customizing Installer Set .ini Files” .

To customize .ini files at the profile set level

Follow Step 4 of the following procedure, “Customizing Installer Set .ini Files” but instead of modifying the client set, modify the profile set located in the %userprofile%\Application Data\ICAClient directory.

Customizing Installer Set .ini Files

Ini files are plain-text files, so you can view and modify them using any standard text editor.

To customize the installer set .ini files, you must create a custom client installer file that contains your custom set of .ini files. To do this, you must modify the applicable .ini files contained in the original client installer file (ica32.exe or ica32pkg.msi). The original installer files are located on the Components CD included in your Citrix Presentation Server media pack. You can also download them from the Citrix Web site at <http://www.citrix.com>.

You can create multiple custom installer sets with different properties as your needs require.

Note The client installer file is available in two different file formats, ica32pkg.msi and ica32.exe. The relevant content of the two installer files is identical. The installer files differ in the mechanisms they use to install the client. See the *Citrix for 32-bit Administrator's Guide* for information about the difference between the two installer files and related system requirements.

To customize .ini files at the installer set level

1. Obtain a copy of the appropriate client installer file.
2. Extract the contents of the installer file to a new folder, A.

Note You can use any standard compression utility to extract the contents of the installer file. However, you must use commercially available software to repackage the contents for distribution to users.

3. Install the client using the same installer file you used in Step 2.
4. After you install the client, modify the .ini files you want to customize. These files are located in the C:\Program Files\Citrix\ICA Client directory.
5. Save the modified .ini files to a new folder, B. Use the original filenames but replace the .ini file extensions with .src (source) extensions.
6. Replace all .src files in folder A with their modified equivalents from folder B. The contents of folder A now represent your custom installer set of .ini files.
7. Repackage the contents of folder A for distribution to users.

About .ica Files

The Web Client and Program Neighborhood Agent use .ica files in place of .ini files. When publishing resources for the Web Client and the Program Neighborhood Agent, you use the Create ICA File wizard to create the associated .ica files.

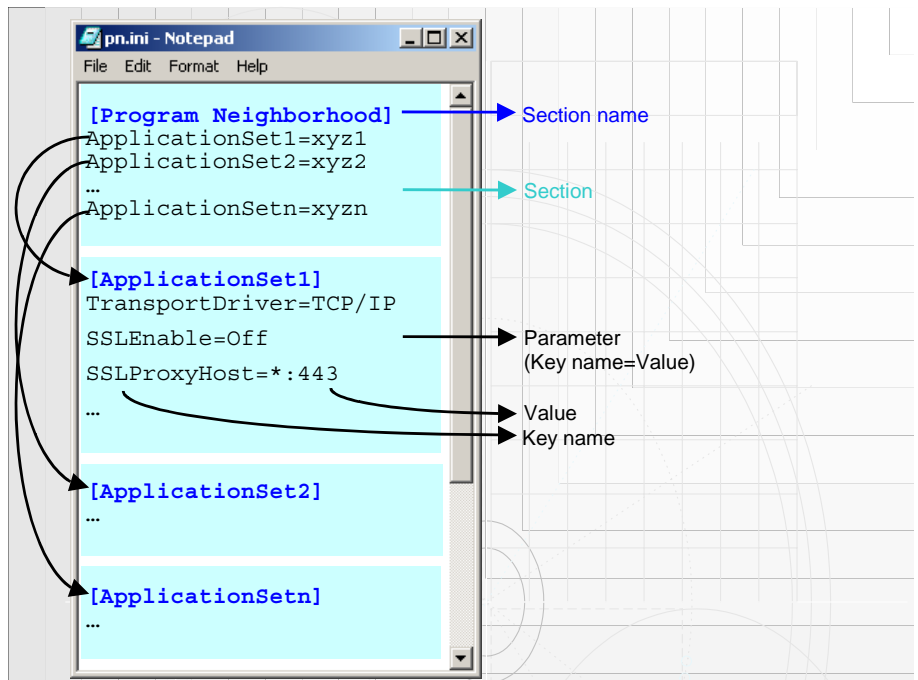
.Ica files support the same section and name/value pair conventions as appsrv.ini. If you need additional information about .ica files, see the Citrix Knowledgebase.

Program Neighborhood Client .ini Files

This chapter describes the configuration files associated with the Program Neighborhood Client.

.Ini File Basic Structure

.Ini files adhere to a mandatory file structure that consists of one or several [Sections] that may contain one or several parameters describing each section



Sample .ini file

appsrv.ini

Describes each custom ICA connection and user interface settings.

Locations:

C:\Program Files\Citrix\ICA Client (client master file); %userprofile%\Application Data\ICAClient (profile set)

| Section | Description |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WFClient | Describes connection and session properties that serve as defaults for all custom ICA connections. Also describes user interface settings. |
| ApplicationServers | Lists all defined custom ICA connections; no published application sets. Each custom ICA connection in the list has an associated <i>applicationservername</i> section by the same name as its key name. |
| <i>applicationservername</i> | Describes the connection and session properties of the associated custom ICA connection, including overrides, if any, of defaults defined in WFClient . |

modem.ini

Describes each defined modem and its initialization string.

Locations:

C:\WFCLIENT; (only in Versions 6.x and earlier)

C:\Program Files\Citrix\ICA Client

| Section | Description |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modems | Lists all supported modem drivers. Each modem driver in the list has an associated <i>modemdrivername</i> section by the same name as its key name. Modem.ini is only in the Program files\Citrix\ICA Client directory. |
| <i>modemdrivername</i> | Describes the associated modem driver, including initialization strings. |

module.ini

Contains a comprehensive list of the parameters used to select and configure the communications stack modules. Most parameters in this file are defaults. Equivalent entries in appsrv.ini override the settings in this file.

Locations:

C:\WFCLIENT; (only in Versions 6.x and earlier)

C:\Program Files\Citrix\ICA Client

| Section | Description |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TransportDriver | Lists all supported transport drivers. Each transport driver in the list has an associated <i>transportdrivername</i> section by the same name as its key name. Transport drivers manage the communications connection. |
| ProtocolDriver | Lists all supported protocol drivers. Each protocol driver in the list has an associated <i>protocoldrivername</i> section by the same name as its key name. Protocol drivers manage the intermediate data stream filters. |
| WinStationDriver | Lists all supported WinStation drivers. Each WinStation driver in the list has an associated <i>winstationdrivername</i> section by the same name as its key name. WinStation drivers manage the presentation data stream |
| VirtualDriver | Lists all supported virtual drivers. Each virtual driver in the list has an associated <i>virtualdrivername</i> section by the same name as its key name. Virtual drivers manage the ICA protocol extensions. |
| <i>transportdrivername</i> | Describes the associated transport driver. |
| <i>protocoldrivername</i> | Describes the associated protocol driver. |
| <i>winstationdrivername</i> | Describes the associated WinStation driver. |
| <i>virtualdrivername</i> | Describes the associated virtual driver. |

These modules are loaded in order, depending on user configuration and required stack relationships.

pn.ini

Describes each defined application set.

Locations:

C:\Program Files\Citrix\ICA Client (client master file); %userprofile%\Application Data\ICAClient (profile set)

| Section | Description |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program Neighborhood | Lists all defined published application sets; no custom ICA connections. Each application set in the list has an associated <i>applicationsetname</i> section by the same name as its key name. |
| WFClient | Describes connection and session properties that serve as defaults for all application sets. |
| <i>applicationsetname</i> | Describes the connection and session properties of the associated application set, including overrides, if any, of defaults defined in WFClient . |

uistate.ini

Stores scaling and resizing parameters for ICA connections. This file has no user-configurable settings.

Locations:

%userprofile%\Application Data\ICAClient (profile set)

| Section | Description |
|------------------------------|-----------------------------|
| applicationservername | Name of the ICA connection. |

wfclient.ini

Describes properties of the client device.

Locations:

C:\Program Files\Citrix\ICA Client (client master file); %userprofile%\Application Data\ICAClient (profile set)

wfcname.ini

Contains a single entry describing the name of the client device.

Location:

C:\ (client root directory) (only in Versions 6.x and earlier)

Note Clients prior to Version 6.30 store the client name in the **WFClient** section of **wfcname.ini**. As of Version 6.30, clients retrieve the client name from the system registry instead. For Versions 6.30 through 9.0, any ClientName setting in **wfcname.ini** is used only for the purpose of migrating the client name to the registry during client install; for example, when upgrading from or auto-updating a pre-V. 6.30 client.

wfcsetup.ini

Used by Setup. This file contains no user modifiable entries.

Locations:

C:\WFCLIENT; (only in Versions 6.30 and earlier)

C:\Program Files\Citrix\ICA Client (only in Versions 7 through 9)

Note Do not edit this file.

filename.idx

Index file for a particular application set. The filename corresponds to the value of the associated application set name in pn.ini. This file contains no user modifiable entries.

Location:

%userprofile%\Application Data\ICAClient

Note Do not edit this file.

filename.vl

Data file for a particular application set. The filename corresponds to the value of the associated application set name in pn.ini. This file contains no user modifiable entries.

Location:

%userprofile%\Application Data\ICAClient

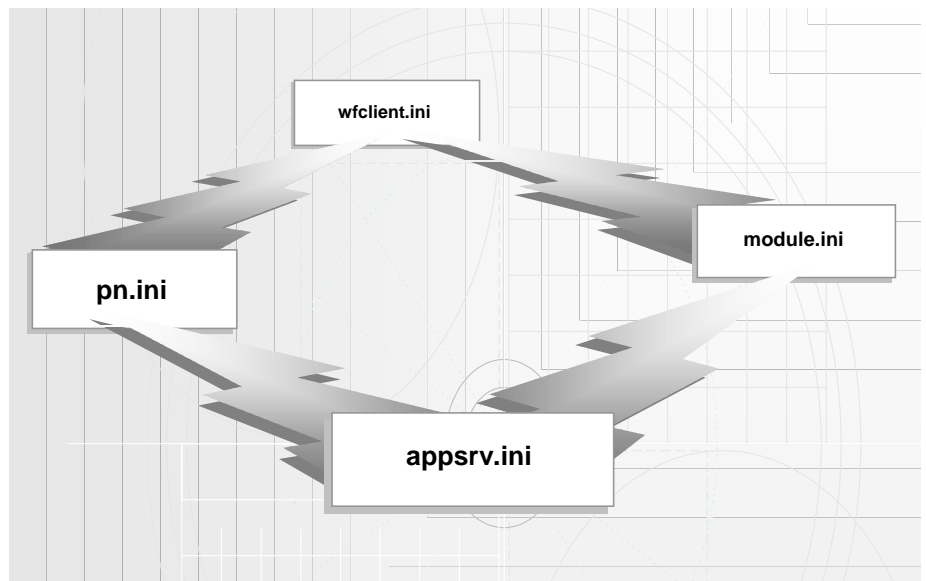
This file contains a database of applications that are in the published application set. It specifies which of the published applications on the associated server to include in the published application set.

Note Do not edit this file.

Client .ini File Precedence

The client directly modifies the .ini files located in the *%userprofile%\Application Data\ICA Client* directories: appsrv.ini, pn.ini, wfclient.ini, . It does not modify module.ini, modem.ini, uistate.ini file, and wfcsetup.ini.

The following diagram illustrates precedence among the client .ini files:



Client .ini File Precedence

The settings in `wfclient.ini` are the default settings for the client. They are overridden if the same entries appear in `pn.ini` or `appsrvv.ini`. The settings in `pn.ini` are the default settings for each application set. They are overridden by settings in `appsrvv.ini`. `Appsrvv.ini` contains the default settings for connections. Settings in `appsrvv.ini` override settings in `pn.ini` and `module.ini`.

File Sections

Section names in *italics* are variable.

applicationservername

This section was previously documented by the name of *serverentryname*.

| | |
|----------|------------|
| File | appsrv.ini |
| Platform | Win32 |

Contains the settings for a particular custom ICA connection. Its name is equal to an entry in the **ApplicationServers** section.

The following parameters are required to successfully establish a custom ICA connection: **TransportDriver**, **Address**, **WinStationDriver**, **DesiredColor**, **DesiredWinType**, **DesiredHRES**, and **DesiredVRES**.

ApplicationServers

| | |
|----------|------------|
| File | appsrv.ini |
| Platform | Win32 |

A list of all defined custom ICA connections. Each defined custom ICA connection has a corresponding *applicationservername* section to describe its settings.

applicationsetname

| | |
|----------|--------|
| File | pn.ini |
| Platform | Win32 |

Contains the settings for a particular published application set. Its name is equal to an entry in the **Program Neighborhood** section.

ClientComm

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

This virtual driver is responsible for providing client COM port access to supplement the ICA 3.0 driver.

ClientPrinterQueue

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

Client printer mapping virtual driver.

Encoding

| | |
|----------|------------|
| File | .ica files |
| Platform | Win32 |

Describes the encoding type of the .ica file.

EncRC5-[]

This paragraph covers the following sections:

- EncRc5-0
- EncRC5-40
- EncRC5-56
- EncRC5-128

| | |
|----------|--------------------------|
| File | module.ini, template.ica |
| Platform | Win32 |

Each section lists the encryption protocol driver to load for the associated encryption level.

ICA 3.0

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

Describes the ICA 3.0 *winstationdrivername*.

Modems

| | |
|----------|-----------|
| File | modem.ini |
| Platform | Win32 |

A list of all supported modems.

modemdrivername

| | |
|----------|-----------|
| File | modem.ini |
| Platform | Win32 |

A description of each supported modem driver, including initialization strings.

Program Neighborhood

| | |
|----------|--------|
| File | pn.ini |
| Platform | Win32 |

A list of all defined published application sets. Each defined published application set has a corresponding *applicationsetname* section to describe its settings.

ProtocolDriver

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

Lists all supported protocol driver names. Each name has an associated section.

protocoldrivername

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

Contains settings specific to the individual protocol driver.

serverentryname

See **applicationservername**.

ThinWire3.0

| | |
|----------|--------------------------|
| File | module.ini, wfclient.ini |
| Platform | Win32 |

This virtual driver is responsible for the graphics support to supplement the ICA 3.0 driver.

TransportDriver

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

Lists all supported transport driver names. Each name has an associated section.

transportdrivername

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

The transport driver uses this section. For each transport driver, there is a section; for example, “TCP/IP-FTP” is the label for the section used by the FTP Software TCP/IP transport driver.

VirtualDriver

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

List all virtual drivers responsible for additional functions not provided by the base WinStation drivers.

virtualdrivername

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

Sections describing each virtual driver. See the **VirtualDriver** key description for a list of supported virtual drivers.

WFClient

| | |
|----------|--------------------------|
| File | appsvr.ini, wfclient.ini |
| Platform | Win32 |

The client engine uses this section. It contains default session-oriented parameters.

WinStationDriver

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

A list of all supported WinStation driver names.

Note “ICA 3.0” is the only supported driver name for this section.

“ICA 3.0” has a corresponding *winstationdrivername* section to describe its settings.

winstationdrivername

| | |
|----------|------------|
| File | module.ini |
| Platform | Win32 |

Contains the settings for “ICA 3.0.” “ICA 3.0” is the only supported name for this section.

Parameters

This chapter describes a collection of relevant `.ini/.ica` file parameters.

This chapter lists, in alphabetical order, a catalog of relevant key names. Each key name is accompanied by:

- Value type information
- A list of default and supported values
- A list of client platforms that recognize and support the key
- A list of sections that can list the key
- Information about corresponding UI elements where applicable

Variables appear in *italics*. If an entire section name is variable, the entire section name appears in italics. If part of a section name is a variable, only the variable appears in italics and is enclosed in brackets []. The brackets are provided for easy reference only and must not be typed. You must provide the information in italics.

A given `.ini/.ica` file may not contain some of the parameters described here. In turn, you may find parameters in an `.ini/.ica` file that are not described here.

Note Boolean parameters use No, False, Off, off, or 0 to indicate FALSE and Yes, True, On, on, or 1 to indicate TRUE.

Spaces are significant and values are case-sensitive for all parameters.

[*Protocol*]BrowserAddress, Loc[*Protocol*]BrowserAddress

This section covers the following parameters:

- **HttpBrowserAddress**
- **IpxBrowserAddress**
- **NetBiosBrowserAddress**
- **TcpBrowserAddress**
- **LocHttpBrowserAddress**
- **LocIpxBrowserAddress**
- **LocNetBiosBrowserAddress**
- **LocTcpBrowserAddress**

| | |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Supported Values | Any valid server name or address |
| Platforms | Win32 |
| Sections | <p>All [<i>Protocol</i>]BrowserAddress settings: WFClient for all custom ICA connections unless otherwise overridden <i>applicationsetname</i> for each applicable published application set</p> <p>All Loc[<i>Protocol</i>]BrowserAddress settings: <i>applicationservername</i> for each custom ICA connection</p> <hr/> <p>Note Published application sets do not use Loc[<i>Protocol</i>]BrowserAddress</p> <hr/> |
| Corresponding UI Element | <p>For <i>applicationsetname</i>: Settings dialog box > Connection tab > Server Location > Network Protocol</p> <p>For <i>applicationservername</i>: Properties dialog box > Connection tab > Server Location > Network Protocol</p> |

These parameters specify the location of the browser used in conjunction with the particular network protocol specified for browsing in **BrowserProtocol**.

| If the value of BrowserProtocol is... | ... the parameter used to locate the browser is: |
|----------------------------------------------|---------------------------------------------------|
| UDP | TcpBrowserAddress or LocTcpBrowserAddress |
| HTTPOnTCP | HttpBrowserAddress or LocHttpBrowserAddress |
| IPX | IpxBrowserAddress or LocIpxBrowserAddress |
| SPX | IpxBrowserAddress or LocIpxBrowserAddress |
| NETBIOS | NetBiosBrowserAddress or LocNetBiosBrowserAddress |

Whether **[Protocol]BrowserAddress** or **Loc[Protocol]BrowserAddress** is used depends on the value of **DoNotUseDefaultCSL**:

| If the value of DoNotUseDefaultCSL is... | ... the parameter used to locate the browser is: |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| FALSE (default) | [Protocol]BrowserAddress |
| TRUE | Loc[Protocol]BrowserAddress (overriding any existing [Protocol]BrowserAddress settings) |

AddICAIconOff

| | |
|--------------------------|---------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | WFClient |
| Corresponding UI Element | Program Neighborhood window > Custom ICA connections window > Add ICA Connection icon |

Specifies whether (Off) or not (On) to display the Add ICA Connection icon.

Address

| | |
|--------------------------|----------------------------------------------------------|
| Value Type | String |
| Default Value | N/A |
| Supported Values | N/A |
| Platforms | Program Neighborhood |
| Sections | <i>applicationservername</i> |
| Corresponding UI Element | Properties dialog box > Connection tab > Server text box |

Specifies the address of the target server. For TCP/IP connections, this can be the DNS name of a Citrix server, the IP address of a Citrix server, or the name of a published application. For IPX, SPX, and NetBIOS connections, it can be the name of a Citrix server or the name of a published application.

Note This key must be specified for .ica files.

AlwaysSendPrintScreen

| | |
|------------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

With Version 8.0 or later, a new flag is available to configure the Citrix Client to send the PrintScreen key message when users press the PrintScreen key.

To have the client send the PrintScreen key message to a seamless application, set this value to “On” in the [**WFClient**] section of the Appsrv.ini file or the ICA file.

ApplicationSetManagerIconOff

| | |
|--------------------------|-----------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | WFClient |
| Corresponding UI Element | Program Neighborhood window |

Specifies whether (Off) or not (On) to display the Application Set Manager icon.

AudioBandwidthLimit

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer [0-2] |
| Default Value | 1 (network connections) 2 (serial connections) |
| Supported Values | 0 1 2 |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > sound quality menu For <i>applicationservername</i> : Properties dialog box > Options tab > sound quality menu |

Specifies the audio bandwidth limit and, by extension, the audio quality for the connection. Higher audio quality requires more bandwidth.

List of supported values:

- 0 - high - 1.4 megabits per second (Mbps)
- 1 - medium - 64 kilobits per second (Kbps)
- 2 - low - 4 Kbps

AutoLogonAllowed

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies whether (Off) or not (On) to require users to enter their user name, domain name, and password when connecting using encryption levels greater than Basic. By default, users are required to enter this information, even if it is present in appsrv.ini.

BrowserProtocol

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | see following table |
| Supported Values | UDP HTTPonTCP IPX SPX NetBIOS |
| Platforms | Win32 |
| Sections | <i>applicationsetname</i> <i>applicationservername</i> |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Connection tab > Server Location > Network Protocol For <i>applicationservername</i> : Properties dialog box > Connection tab > Server Location > Network Protocol |

In combination with **TransportDriver**, this parameter corresponds to the **Network Protocol** option:

BrowserProtocol specifies the network protocol used for ICA *browsing*.

TransportDriver specifies the network protocol used for ICA *connections*.

| Name of Network Protocol in Program Neighborhood User Interface | Corresponding value of TransportDriver | Corresponding value of BrowserProtocol |
|-----------------------------------------------------------------|----------------------------------------|----------------------------------------|
| TCP/IP | TCP/IP | UDP |
| TCP/IP+HTTP | TCP/IP | HTTPonTCP |
| IPX | IPX | IPX |
| SPX | SPX | SPX |
| NetBIOS | NetBIOS | NetBIOS |
| SSL/TLS+HTTPS | TCP/IP | HTTPonTCP |

Note SSL/TLS+HTTPS network protocol also requires **SSLEnable=On**.

BrowserRetry

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | 3 |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the number of times the client device will resubmit a master browser request that timed out.

BrowserTimeout

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | 1000 |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the number of milliseconds the client will wait for a response after making a request to the master browser.

BufferLength

| | |
|---------------|----------------------------|
| Value Type | Integer |
| Default Value | 2048 |
| Platforms | Win32 |
| Sections | <i>winstationdrivename</i> |

Specifies the input buffer length in bytes for connections to MetaFrame XP, Feature Release 1 or earlier servers.

BufferLength2

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | 5000 |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the input buffer length in bytes for connections to MetaFrame XP, Feature Release 2 or later servers.

CDMAAllowed

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies whether or not to allow client drive mapping.

ClientAudio

| | |
|------------------|------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |

Specifies whether (On) or not (Off) to enable client audio mapping.

ClientName

| | |
|------------------|-------------------------------------------------------------------|
| Value Type | String |
| Default Value | Chosen, in order, from registry setting, machine name, time stamp |
| Supported Values | Any characters in excess of 20 are truncated |
| Platforms | Win32 |
| Sections | WFClient (.ica files only) |

Clients prior to Version 6.30 store the client name in the [WFClient] section of **wfcname.ini**. As of Version 6.30, clients retrieve the client name from the system registry instead. As of Version 6.03 or later, any ClientName setting in **wfcname.ini** is used only for the purpose of migrating the client name to the registry during client install; for example, when upgrading from or auto-updating a pre-Version 6.30 client.

The **ClientName** setting in the .ica file overrides the default way of retrieving the client name as described in **Default Value** above.

ColorMismatchPrompt_Have16_Want256

| | |
|------------------|-------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | ClientName |

Controls whether (On) or not (Off) to display a warning if the client device's color depth is 16 colors and the connection configuration is for 256 colors. Not implemented in Program Neighborhood Client.

ColorMismatchPrompt_Have16M_Want256

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Controls whether (On) or not (Off) to display a warning if the client device's color depth is high color (16-bit) and the connection configuration is for 256 colors. Not implemented in Program Neighborhood Client.

ColorMismatchPrompt_Have64K_Want256

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Controls whether (On) or not (Off) to display a warning if the client device's color depth is true color (32-bit) and the connection configuration is for 256 colors. Not implemented in Program Neighborhood Client.

COMAllowed

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies whether (On) or not (OFF) COM port mapping is permitted.

Compress

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>transportdrivername</i> (Win32) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Use data compression option For <i>applicationservername</i> : Properties dialog box > Options tab > Use data compression option |

Specifies the flag associated with the compress protocol driver. If this is set to On, and Compress is in the **ProtocolSupport** list, the compression protocol driver is loaded.

CommPollSize

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Turns On or Off COM port polling.

For more information, see the Citrix Online Knowledgebase document, **Troubleshooting COM Port Redirection Issues** (CTX384590).

CommPollWaitInc

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | 1 millisecond |
| Platforms | Win32 |
| Sections | WFClient |

Slows the poll loop rate (see **CommPollWaitIncTime**).

For more information, see the Citrix Online Knowledgebase document, **Troubleshooting COM Port Redirection Issues** (CTX384590).

CommPollWaitIncTime

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | 20 milliseconds |
| Platforms | Win32 |
| Sections | WFClient |

Specifies how long the poll loop polls at its current poll rate before slowing the rate by **CommPollWaitInc** milliseconds.

For more information, see the Citrix Online Knowledgebase document, **Troubleshooting COM Port Redirection Issues** (CTX384590).

CommPollWaitMax

| | |
|---------------|------------------|
| Value Type | Integer |
| Default Value | 500 milliseconds |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the maximum polling interval.

For more information, see the Citrix Online Knowledgebase document, **Troubleshooting COM Port Redirection Issues** (CTX384590).

CommPollWaitMin

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | 1 millisecond |
| Platforms | Win32 |
| Sections | WFClient |

Time in milliseconds (ms) the poll loop delays before reading the port after data is retrieved.

For more information, see the Citrix Online Knowledgebase document, **Troubleshooting COM Port Redirection Issues** (CTX384590).

ConnectType

| | |
|------------------|------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 1 |
| Supported Values | 1 2 3 4 |
| Platforms | Program Neighborhood, Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |

Specifies the connection type to be used.

List of supported values:

- 1 = LAN
- 2 = WAN
- 3 = PPP
- 4 = Dial-Up

CPMAllowed

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies whether (On) or not (Off) printer port mapping is allowed.

CustomConnectionsIconOff

| | |
|--------------------------|-----------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | WFClient |
| Corresponding UI Element | Program Neighborhood window > Custom ICA Connections icon |

Specifies whether (Off) or not (On) to display the Custom ICA Connections icon.

DefaultSoundType

| | |
|---------------|---------------------------------------------------------|
| Value Type | Integer |
| Default Value | 1 |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |

Caution Fixed value. Do not change.

DefaultVideoType

| | |
|---------------|--------------------------------------------------|
| Value Type | Boolean |
| Default Value | N/A |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |

Caution Fixed value. Do not change.

DeferredUpdateMode

| | |
|---------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | 0 |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Add this value and the **ForceLVBMode** value to the [**WFClient**] section of the Appsvr.ini file located in the user's profile directory on the computer running Citrix Presentation Server to address repaint issues due to a poor refresh rate. This may happen with some applications when running an application in seamless mode while utilizing the pass-through client on the server.

Description

| | |
|------------------|------------------------------|
| Value Type | String |
| Default Value | N/A |
| Supported Values | Non-empty strings |
| Platforms | Win32 |
| Sections | <i>applicationservername</i> |

The Program Neighborhood Client creates this parameter for each custom ICA connection. The value matches the name of the custom ICA connection as it appears in the Program Neighborhood user interface and in the *applicationservername* section of appsrv.ini.

DesiredColor

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 1 |
| Supported Values | 1 2 4 8 |
| Platforms | Program Neighborhood, Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Window Properties > Window Colors menu For <i>applicationservername</i> : Properties dialog box > Options tab > Window Properties > Window Colors menu |

Specifies the color depth of the ICA session.

List of supported values:

- 1 - 16 colors
- 2 - 256 colors
- 4 - high color
- 8 - true color

DesiredHRES

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 640 |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Window Size ("Custom") > Width text box For <i>applicationservername</i> : Properties dialog box > Options tab > Window Size ("Custom") > Width text box |

Specifies the horizontal window size, in pixels, if the value of **DesiredWinType** is 5 (Custom).

DesiredVRES

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 480 |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Window Size ("Custom") > Height text box For <i>applicationservername</i> : Properties dialog box > Options tab > Window Size ("Custom") > Height text box |

Specifies the vertical window size, in pixels, if the value of **DesiredWinType** is 5 (Custom). If the value of **DesiredWinType** is 8 (Seamless), the value must be 4294967295.

DesiredWinType

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 0 |
| Supported Values | 0 1 2 3 4 5 6 7 8 |
| | <hr/> Note A value of "8" (Seamless) requires DesiredVRES=4294967295 . <hr/> |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Window Size menu For <i>applicationservername</i> : Properties dialog box > Options tab > Window Size menu |

Specifies the default window size for custom connections.

List of supported values:

- 0 - Inherit the default setting from wfclient.ini. This value is not supported in wfclient.ini.
- 1 - 640x480
- 2 - 800x600
- 3 - 1024x768
- 4 - 1280x1024
- 5 - Custom size defined by **DesiredHRES** and **DesiredVRES**
- 6 - Percent
- 7 - Full screen
- 8 - Seamless

DisableCtrlAltDel

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Enables (Off) or disables (On) the Ctrl+Alt+Del key combination within the ICA session to prevent users from shutting down the Citrix server.

DisableSound

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Disables Windows alert sounds (the Windows “Asterisk” event). If client audio mapping is disabled with the **ClientAudio** parameter, this setting has no effect.

DisableUPDOptimizationFlag

| | |
|------------------|-------------------|
| Value Type | Integer |
| Supported Values | 1 2 (see below) |
| Platforms | Win32 |
| Sections | WFClient |

Disables the universal printer driver (UPD) bitmap compression (only) or both the compression and optimization. When printing to certain printers using the UPD, letters might be printed faded and barely legible. The issue occurs because certain print drivers do not work well with Presentation Server’s UPD optimization, which compresses the bitmap to use fewer bits whenever possible.

To disable this optimization, modify the user's `apprsv.ini` file using a text editor and insert the above parameter in the **[WFClient]** section:

- Setting the value to 1 disables bitmap compression, which attempts to use fewer bits to encode the bitmap
- Setting the value to 2 disables optimization that skips spaces; it also disables bitmap compression

Domain

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Platforms | Win32 |
| Sections | <i>applicationservername</i> |
| Corresponding UI Element | Properties dialog box > Logon Information tab > User-specified credentials option > Domain text box |

Specifies the domain name that appears in the **Domain** text box if the user selects the **User-specified credentials** option for the associated *custom ICA connection*.

DoNotUseDefaultCSL

| | |
|--------------------------|--------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | <i>applicationservername</i> |
| Corresponding UI Element | Properties dialog box > Connection tab > Server Location > Use Custom Default option |

Use this setting in conjunction with the **ProxyUsername** and **ProxyPassword** settings.

Some proxy servers require authentication, prompting you for a user name and password when you enumerate resources or open an ICA connection. You can avoid these prompts by configuring the client to pass the credentials without user intervention. You can create settings that:

- Apply to one or several existing custom ICA connections
- or-
- Act as the default for all future custom ICA connections to be created using the Add ICA Connection wizard

To create a setting for one or several existing custom ICA connections

1. Exit Program Neighborhood if it is running.
2. Make sure all Program Neighborhood components, including the Connection Center, are closed.
3. Open the individual's user-level Appsrv.ini file (default directory: %User Profile%\Application Data\ICAClient) in a text editor.
4. Locate the [*ServerLocation*] section, where *ServerLocation* is the name of the connection you want to configure.
5. Locate the DoNotUseDefaultCSL property of that [*ServerLocation*] section and check to see if the value is On or Off.
 - If the value is On, add the following lines to that [*ServerLocation*] section:
ProxyUsername=<user name>
ProxyPassword=<password>
where *user name* is the user name recognized by the SOCKS server and *password* is the password associated with the user name recognized by the proxy server.
 - If the value is Off, or if the parameter is not present, add the following lines to the [**WFClient**] section:
ProxyUsername=<user name>
ProxyPassword=<password>
where *user name* is the user name recognized by the SOCKS server and *password* is the password associated with the user name recognized by the proxy server.
6. Repeat Steps 3 and 4 for any additional connections if applicable.
7. Save your changes.

DragoutOff

| | |
|------------------|----------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | WFClient |

Specifies whether (Off) or not (On) users can drag-and-drop connection icons to create shortcuts anywhere on their client device.

DriverNameWin32

| | |
|---------------|----------------------------------------------------------------------------------------|
| Value Type | File name |
| Default Value | None |
| Platforms | Win32 |
| Sections | <i>protocoldrivername</i> <i>transportdrivername</i> <i>winstationdrivername</i> |

Specifies the name of the Win32 **ProtocolDriver**, **TransportDriver**, or **WinStationDriver** file to load.

EnableSSOnThruICAFile

| | |
|------------------|----------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | WFClient |

Specifies whether (On) or not (Off) to use the same user name and password the user used to log on to the client device for authentication through .ica files.

For security reasons, users cannot be authenticated to the server unless this parameter is present and its value set to On, even if **UseLocalUserAndPassword** and **SSOnUserSetting** are specified in the .ica file.

Related Parameters: **UseLocalUserAndPassword**, **SSOnUserSetting**

EnableOssOnWin9xMe

| | |
|------------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

On client devices running Windows 9x or Windows Me, Off Screen Surface functionality is disabled by default. Off Screen Surface functionality directs the client to draw screen updates to an in-memory bitmap instead of to the screen. Because this functionality improves bandwidth efficiency, you may want to enable it if users connect to Citrix servers across a WAN.

Encrypt

| | |
|------------------|---------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | <i>transportdrivename</i> |

If this parameter is set to On and Encrypt is in the **ProtocolSupport** list, the encryption protocol driver is loaded.

EncryptionLevel

| | |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 1 |
| Supported Values | 1 2 3 4 5 |
| Platforms | Program Neighborhood |
| Sections | WFClient for all custom ICA connections unless otherwise overridden <i>applicationservername</i> for each custom ICA connection where UseDefaultEncryption=Off |

Specifies the encryption level of the custom ICA connection. Supported by Program Neighborhood Client only, and for custom ICA connections only.

List of supported values:

- 1 - Basic
- 2 - RC5 128-bit only while logging on
- 3 - RC5 40-bit
- 4 - RC5 56-bit
- 5 - RC5 128-bit

EncryptionLevelSession

| | |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | Basic |
| Supported Values | See list of supported values below. |
| Platforms | Win32 |
| Sections | WFClient for all custom ICA connections unless otherwise overridden <i>applicationservername</i> for each custom ICA connection where UseDefaultEncryption=Off <i>applicationsetname</i> for each published application set where UseDefaultEncryption=Off |

Specifies the encryption level of the ICA connection.

List of supported values:

- Basic
- RC5 (128 bit - Logon Only)
- RC5 (40-bit)
- RC5 (56-bit)
- RC5 (128 bit)

FastIdlePollDelay

| | |
|------------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | 0 |
| Supported Values | 0 1 |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Occasionally, when connecting to a conference hosted on a server on which you have the Citrix Presentation Server Client, Version 8.0 or later installed, users may experience a high CPU utilization by the wfica32.exe process. The issue is caused by a time-out error that causes the process to consume all CPU resources. Setting this value to “1” corrects the issue. To enable the workaround, add the parameter to the [**WFClient**] section of the template.ica file for Conferencing Manager for Citrix Presentation Server (default location: C:\Program Files\Citrix\CMCM\template.ica, on the server on which the Conference Organizer is installed).

FindNewApplicationSetIconOff

| | |
|--------------------------|-------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | WFClient |
| Corresponding UI Element | Program Neighborhood window > Find New Application Set icon |

Specifies whether (On) or not (Off) to display the Find New Application Set icon.

ForceLVBMode

| | |
|------------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | 0 |
| Supported Values | 0/1 |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Add this value and the **DeferredUpdateMode** value to the [**WFClient**] section of the Appsrv.ini file located in the user's profile directory on the computer running Citrix Presentation Server to address repaint issues due to a poor refresh rate. This may happen with some applications when running an application in seamless mode while utilizing the pass-through client on the server.

Hotkey[1,...,10]Char

| | |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | N/A |
| Supported Values | (none) F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 Esc minus plus star tab |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Hotkeys tab > right menu column |

Specifies the keys to use for mapping the various hotkey sequences. Each action is defined by a combination of a character and a shift state. To disable a particular hotkey, set both its character and shift state parameters to (none).

The hotkey numbers correspond to the following actions:

- Hotkey1 - Task List
- Hotkey2 - Close Remote Application
- Hotkey3 - Toggle Title Bar
- Hotkey4 - CTRL-ALT-DEL
- Hotkey5 - CTRL-ESC
- Hotkey6 - ALT-ESC

- Hotkey7 - ALT-TAB
- Hotkey8 - ALT-BACKTAB
- Hotkey9 - CTRL-SHIFT-ESC
- Hotkey10 - Toggle Latency Reduction

Related parameter: **HotKey[1,....,10]Shift**

HotKey[1,....,10]Shift

| | |
|--------------------------|----------------------------------------------------------|
| Value Type | String |
| Default Value | N/A |
| Supported Values | (none) Shift Ctrl Alt |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Hotkeys tab > left menu column |

Along with **Hotkey[1,....,10]Char**, specifies the key combinations to use for the various hotkey sequences.

HowManySkipRedrawPerPaletteChange

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | 9 |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the number of consecutive redraw requests to skip before redrawing the screen. See **SkipRedrawPerPaletteChange** for more information.

HttpBrowserAddress

See **[Protocol]BrowserAddress**.

ICAHttpBrowserAddress

| | |
|------------------|----------------------------------|
| Value Type | String |
| Default Value | ica |
| Supported Values | Any valid server name or address |
| Platforms | Win32 |
| Sections | WFClient |

Used for HTTP or HTTPS browsing (**BrowserProtocol**=HTTPonTCP) if the browser address is not set through the **HttpBrowserAddress** or the **Loc[Protocol]BrowserAddress** parameters.

ICAKeepAliveEnabled

| | |
|------------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Enables the client to monitor and notify the user when an ICA connection is inactive or disconnected for the specified interval (**ICAKeepAliveInterval**).

Add this value to the [**WFClient**] section of the Appsrv.ini file.

ICAKeepAliveInterval

| | |
|------------------|-------------------------------------------------------|
| Value Type | Integer |
| Default Value | 0 |
| Supported Values | Time in milliseconds |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Specifies the interval that is used for the **ICAKeepAliveEnabled** setting.

Add this value and the **ICAKeepAliveEnabled** value to the [**WFClient**] section of the Appsrv.ini file.

Use this parameter to notify users when inactive seamless applications are disconnected from the server under the following scenarios:

- Users are using a published application that displays dynamic information
- The client auto-reconnect feature is disabled
- Applications for users of multi-monitors are out of focus

This setting introduces a setting in the Appsrv.ini file, which if set to On, enables a timer in the ICA Client Engine. This timer checks every *N* milliseconds (where *N* is the number of milliseconds) to determine if any data was sent by the server. If no data was sent, the timer pings the server, to which it expects a response after *N* milliseconds. If the server responds, the connection is still present. If there is no response or the ping request fails, the client displays an error message and the connection is terminated.

ICAPortNumber

| | |
|------------------|-----------------|
| Value Type | Integer |
| Default Value | 1494 |
| Supported Values | 0 - 65535 |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the TCP port to use to connect to the browser. The default port is 1494. You must change the port on all Citrix servers in the farm using the ICAPORT command-line utility before you change this parameter on clients.

ICASOCKS[]

The following parameters are deprecated by **ProxyType**, but maintained to ensure backward compatibility with older .ini/.ica files that do not contain **ProxyType**:

- **ICASOCKSProtocolVersion**
- **ICASOCKSProxyHost**
- **ICASOCKSProxyPortNumber**
- **ICASOCKSrfc1929Password**
- **ICASOCKSrfc1929UserName**
- **ICASOCKSTimeout**

ICASOCKSProtocolVersion

| | |
|------------------|-----------------------|
| Value Type | Integer |
| Default Value | -1 (do not use SOCKS) |
| Supported Values | -1 0 4 5 |
| Platforms | Win32 |
| Sections | WFClient |

Important See **ICASOCKS[]** before modifying this parameter.

List of supported values:

- -1 - (None) Do not use SOCKS
- 0 - Auto detect
- 4 - Use SOCKS Version 4
- 5 - Use SOCKS Version 5

If **ICASOCKSProtocolVersion** is set, the following parameters are used to specify SOCKS proxy settings:

- ICASOCKSProxyHost
- ICASOCKSPortNumber
- ICASOCKSrfc1929Password
- ICASOCKSrfc1929UserName
- ICASOCKSTimeout

ICASOCKSProxyHost

Important See **ICASOCKS[]** before modifying this parameter.

Specifies the DNS name or IP address of the SOCKS proxy to use.

ICASOCKSProxyPortNumber

Important See **ICASOCKS[]** before modifying this parameter.

Specifies the port number of the SOCKS proxy server. The commonly used port is 1080.

ICASOCKSrfc1929Password

Important See **ICASOCKS[]** before modifying this parameter.

Holds the clear text password to be used to automatically request RFC 1929 authentication from a SOCKS Version 5 server.

ICASOCKSrfc1929UserName

Important See **ICASOCKS[]** before modifying this parameter.

Holds the user name to be used to automatically request RFC 1929 authentication from a SOCKS Version 5 server.

ICASOCKSTimeout

Important See **ICASOCKS[]** before modifying this parameter.

Specifies the time, in milliseconds (ms), to wait for browsing requests through a SOCKS proxy to be satisfied. This value is ignored if it is less than the Web browser default time-out (2,000 ms).

IconIndex

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | None |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the index number of the icon to use from the file specified by **IconPath**.

IconPath

| | |
|---------------|------------------------------------------------------|
| Value Type | String |
| Default Value | %SystemDrive%\Program Files\Citrix\ICA Client\pn.exe |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the full path and name of the .exe or .dll file containing the icon for the application. Use **IconIndex** to specify the icon index number.

InitialProgram

| | |
|--------------------------|------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Platforms | Win32 |
| Sections | <i>applicationservername</i> |
| Corresponding UI Element | Properties dialog box > Application tab > Application text box |

Specifies the initial program to start after establishing the associated custom ICA connection. For server connections, this is the full path and file name. For published applications, this is the name of the published application preceded by the pound (#) symbol.

Note This key must be specified for .ica files.

Related Parameters: **LongCommandLine**

InputEncoding

| | |
|------------------|-----------------------------------|
| Value Type | String |
| Default Value | ISO8859_1 |
| Supported Values | ISO8859_1 SJIS EUC-JP |
| Platforms | Win32 |
| Sections | Encoding (.ica files only) |

Describes the character encoding type of the .ica file. This information is used by the client to convert and understand the .ica file if the Web server that created it used an encoding type that is different from the client's.

IpxBrowserAddress

See **[Protocol]BrowserAddress**.

KeyboardLayout

| | |
|--------------------------|--------------------------------------------------------------|
| Value Type | String |
| Default Value | (User Profile) |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > General tab > Keyboard Layout menu |

Specifies the keyboard layout of the client device. The Citrix server uses the keyboard layout information to configure the ICA session for the client's keyboard layout. The default value causes the keyboard layout specified in the user profile to be used.

KeyboardSendLocale

| | |
|------------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient in the WFClient.ini |

Set this value to 'On' to make the default input locale in an ICA session the same as the default input locale on the client operating system (**Control Panel > Keyboard > Input Locales**).

KeyboardTimer

| | |
|---------------|-----------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 0 |
| Platforms | Program Neighborhood, Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) WFClient (Win32) |

Specifies the amount of time, in milliseconds, the client queues key strokes before passing them to the server. Use key stroke queueing if bandwidth limitations require a reduction of network traffic. Queuing reduces the number of network packets sent from the client to the server, but also reduces keyboard responsiveness during the session. Higher values improve performance when connecting over a RAS connection.

KeyboardType

| | |
|--------------------------|------------------------------------------------------------|
| Value Type | String |
| Default Value | (Default) |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > General tab > Keyboard Type menu |

Specifies the keyboard type of the client device. The Citrix server uses this information to configure the ICA session for the client's keyboard type. Use the default value for most English and European keyboards. When using a Japanese keyboard, specifying the default auto-detects the correct keyboard type. See the keyboard types listed for this option for a list of supported values for this parameter.

LanaNumber

| | |
|------------------|-----------------|
| Value Type | Integer |
| Default Value | 0 |
| Supported Values | 0 1 2 |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the LANA number of the network card protocol. This is typically used only for NetBIOS.

List of supported values:

- 0 - NetBIOS over NetBEUI
- 1 - IPX
- 2 - TCP

Loc[*Protocol*]BrowserAddress

See **[Protocol]BrowserAddress**.

LocHttpBrowserAddress

See [\[Protocol\]BrowserAddress](#).

LocIpxBrowserAddress

See [\[Protocol\]BrowserAddress](#).

LocNetBiosBrowserAddress

See [\[Protocol\]BrowserAddress](#).

LocTcpBrowserAddress

See [\[Protocol\]BrowserAddress](#).

LogAppend

| | |
|--------------------------|-------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Event Logging tab > Overwrite/ Append to existing event log option |

Switches between appending new log file entries to the end of the existing log file (On) and creating a new file (Off).

Applies only at start of session.

LogConnect

| | |
|--------------------------|-------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Event Logging tab > Connections and Disconnections option |

Specifies whether (On) or not (Off) to log connections to and disconnections from Citrix servers.

LogErrors

| | |
|--------------------------|-------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Event Logging tab > Errors option |

Specifies whether (On) or not (Off) to log errors with connections to Citrix servers.

LogFileGlobalPath

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies how log files are created:

If On, a single log file is used for all users of a given client device. **LogFileWin32** must specify the entire directory path to the log file, including the file name.

If Off, a separate log file is created for each user and stored in the user's profile directory. In this case, **LogFileWin32** specifies the file name only.

LogFileWin32

| | |
|--------------------------|------------------------------------------------------------------------------|
| Value Type | File name |
| Default Value | wfcwin32.log |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Event Logging tab > Event Log File > Name text box |

Specifies the name of the log file. The types of details logged depends on the values of the **LogConnect**, **LogErrors**, **LogReceive**, and **LogTransmit** parameters. Log data can alternately be sent to standard out or standard error by specifying **stdout** or **stderr** instead of a file name.

See **LogFileGlobalPath** for related information.

LongCommandLine

| | |
|---------------|------------------------------|
| Value Type | String |
| Default Value | None |
| Platforms | Win32 |
| Sections | <i>applicationservername</i> |

Allows you to pass a very long string of parameters to the program specified in **InitialProgram**. The value of **LongCommandLine** replaces any command-line parameters specified at the end of **InitialProgram**. Requires MetaFrame XP or later.

Note To provide **LongCommandLine** support without breaking compatibility with older clients, the total number of characters (including the **LongCommandLine**) that can be passed by the engine to the server is limited to 255. To support longer command lines, use a series of **LongCommandLine** parameters as follows:

```
LongCommandLine="The beginning of my long command line"  
LongCommandLine000="continuation of my long command line"  
LongCommandLine001="the rest of my long command line"
```

Each value must be in quotation marks (“”) and must not exceed 224 characters. The client engine concatenates the values to create a single long command-line parameter. You can include as many **LongCommandLine[]** parameters as necessary.

MaximumCompression

| | |
|------------------|-------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Win32 |
| Sections | WFClient <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |

Specifies whether (On) or not (Off) to use maximum data compression. Data compression reduces the amount of data that needs to be transferred but requires additional processing on both the client and Citrix server to compress and decompress the data. Enabling data compression increases performance over bandwidth-limited connections.

MouseTimer

| | |
|---------------|-------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 100 |
| Platforms | Program Neighborhood, Win32 |
| Sections | WFClient <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |

Specifies the amount of time, in milliseconds, the client queues mouse events before passing them to the server. Use mouse event queuing if bandwidth limitations require a reduction of network traffic. Queuing reduces the number of network packets sent from the client to the server, but also reduces responsiveness to mouse movements during the session. Higher values improve performance when connecting over a RAS connection.

NameEnumerator

| | |
|---------------|--------------------------------------------------------|
| Value Type | File name |
| Default Value | Depends on platform & protocol. See below for details. |
| Platforms | Win32 |
| Sections | <i>transportdrivername</i> |

Specifies the file name of the module to load for server name enumeration. Default values are determined by platform and protocol as follows:

| Protocol | Platform | Value (file name) |
|----------|---------------------|-------------------|
| TCP | NameEnumeratorWin32 | NETCPN.DLL |
| TCP | NameEnumeratorWeb32 | NEHTTPN.DLL |
| SPX/IPX | NameEnumeratorWin32 | NEIPXN.DLL |
| Protocol | Platform | Value (file name) |
| NetBIOS | NameEnumeratorWin32 | NENETBN.DLL |

NameResolver

| | |
|---------------|---------------------------|
| Value Type | File name |
| Default Value | None |
| Platforms | Win32 |
| Sections | <i>transportdrivename</i> |

Specifies the file name of the module to load for name-to-address resolution.

NativeDriveMapping

| | |
|--------------------------|----------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Not set |
| Supported Values | True False |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | ClientDrive in the Module.ini |
| Corresponding UI Element | Settings dialog box > Connection tab > Auto-detect network protocol option |

Client drive mapping on the pass-through client was restricted to the drives on the client device. The client could not map local or network drives configured on the Citrix server in a pass-through session.

Local or network drives configured on the server running Citrix Presentation Server can now be mapped by the pass-through client. Open the Module.ini file in a text editor and add the following line to the [ClientDrive] section of the file:

```
NativeDriveMapping=TRUE
```

When this flag is set, the client drives on the client device are not mapped and are not available. The drives configured on the server are mapped and are available to the pass-through client.

NetBiosBrowserAddress

See **[Protocol]BrowserAddress**.

NoAutoDetectProtocol

| | |
|--------------------------|----------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |
| Corresponding UI Element | Settings dialog box > Connection tab > Auto-detect network protocol option |

Specifies whether (Off) or not (On) to auto-detect the network protocol to use. When the value is On, the client uses the transport driver specified in **TransportDriver**.

NoDeskInt

| | |
|--------------------------|----------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) |
| Corresponding UI Element | Settings dialog box > Default Options tab > Turn off desktop integration for this application set option |

Selects (On) or clears (Off) the **Turn off desktop integration for this application set** option. Desktop Integration adds icons to the Windows desktop and Start menu. This does not recreate icons removed from the Windows desktop or Start menu by the user.

NoSavePwordOption

| | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32; Program Neighborhood only |
| Sections | <i>applicationsetname</i> <i>applicationservername</i> |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Logon Information tab > User-specified credentials option > Password text box; Save password option For <i>applicationservername</i> : Properties dialog box > Logon Information tab > User-specified credentials option > Password text box; Save password option |

Enables (Off) or disables (On) the Password text box and shows (Off) or hides (On) the Save password option. When set to On, users cannot enter or save their password from the user interface.

Password

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Platforms | Win32 |
| Sections | <i>applicationservername</i> |
| Corresponding UI Element | Properties dialog box > Logon Information tab > User-specified credentials option > Password text box |

Specifies the encrypted password that appears in the **Password** text box if the user selects the **User-specified credentials** option for the associated *custom ICA connection*.

PersistentCacheEnabled

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Win32 |
| Sections | WFClient for all custom ICA connections unless overridden by <i>applicationservername</i> , <i>applicationservername</i> , <i>applicationsetname</i> |
| Corresponding UI Element | For published application sets: Settings dialog box > Default Options tab > Use disk cache for bitmaps option For custom ICA connections: Properties dialog box > Options tab > Use disk cache for bitmaps option |

Specifies whether (On) or not (Off) to use the persistent disk cache. The persistent disk cache stores commonly used graphical objects such as bitmaps on the hard disk of the client device. Using persistent disk cache increases performance across low-bandwidth connections but reduces the amount of available client disk space. For clients on high-speed LANs, using persistent disk cache is, therefore, not warranted. Disk caching is enabled by default for dial-in connections.

PersistentCacheGlobalPath

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies what type of cache directory is used:

If On, a single cache directory is used for all users of a given client device.

PersistentCachePath must specify the entire directory path to the cache directory, including the cache directory name.

If Off, a separate cache directory is created for each user and stored in the user's profile directory. In this case, **PersistentCachePath** specifies the cache directory name only.

PersistentCacheMinBitmap

| | |
|--------------------------|-------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 8192 |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Bitmap Cache tab > Bitmap Minimum Size slider |

Specifies the minimum size in bytes of bitmaps to store in the persistent disk cache.

PersistentCachePath

| | |
|--------------------------|------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | C:\Documents and Settings\ <i>username</i> \Application Data\ICAClient\Cache |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Bitmap Cache tab > Bitmap Cache Directory text box |

Specifies the location of the persistent disk cache.

PersistentCacheSize

| | |
|--------------------------|----------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | None |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > Bitmap Cache tab > Bitmap Cache Size (KBytes) spin box |

Specifies the size of the persistent disk cache, in bytes.

PingServer

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies whether (On) or not (Off) to transmit an ICMP packet in advance of sending a UDP broadcast to the first entry in the **Server Location** address list. Use **PingServer** when a client cannot contact a Citrix server across an ATM network initially, but successfully connects on the second attempt.

Note The ICMP packet is sent only to the first address in the **Server Location** address list.

PNCacheRefresh

| | |
|------------------|----------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> |

Specifies whether (On) or not (Off) to automatically refresh the list of applications available in the application set the next time Program Neighborhood is run.

PNCacheVersion

| | |
|------------------|----------------------------------|
| Value Type | Integer |
| Default Value | 1 |
| Supported Values | 1 |
| Platforms | Win32; Program Neighborhood only |
| Sections | <i>WFClient</i> |

Specifies the version of the current user's Program Neighborhood cache files. If the version number of the Program Neighborhood cache files differs from that of the cache client module, the Program Neighborhood cache is invalidated and rebuilt.

PNDefault

| | |
|--------------------------|------------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Platforms | Program Neighborhood |
| Sections | <i>WFClient</i> |
| Corresponding UI Element | Find New Application Set wizard > second screen, second text box |

Specifies the default application set.

PNName

| | |
|--------------------------|--------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> |
| Corresponding UI Element | Program Neighborhood window > published application set name |

Specifies the display name for the application set.

Note Do not change the value of this parameter from within pn.ini. Change the name of the application set from inside the Program Neighborhood window instead.

PNUIHeight

| | |
|---------------|----------------------|
| Value Type | Integer |
| Default Value | 429 |
| Platforms | Program Neighborhood |
| Sections | WFClient |

Specifies the height, in pixels, of the Program Neighborhood window.

PNUIHPos

| | |
|---------------|----------------------|
| Value Type | Integer |
| Default Value | 96 |
| Platforms | Program Neighborhood |
| Sections | WFClient |

Specifies the horizontal position of the Program Neighborhood window. The value is the distance, in pixels, of the left edge of the Program Neighborhood window from the left edge of the Windows desktop.

PNUINoAutoSearch

| | |
|------------------|----------------------|
| Value Type | Boolean |
| Default Value | (see description) |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | WFClient |

Specifies whether (Off) or not (On) the client automatically searches the network for application sets and adds them to the list in the Program Neighborhood window.

By default, **PNUINoAutoSearch** is set to Off until Program Neighborhood is first run. Program Neighborhood then performs the search and changes the value of the parameter to On so that the search is not automatically performed again. Users can manually perform a search by double-clicking the Find New Application Set icon.

PNUIShowSB

| | |
|--------------------------|------------------------|
| Value Type | Integer |
| Default Value | 1 |
| Platforms | Program Neighborhood |
| Supported Values | 1 2 |
| Sections | WFClient |
| Corresponding UI Element | View menu > Status bar |

Specifies whether (1) or not (2) to display the Program Neighborhood status bar.

PNUIShowTB

| | |
|--------------------------|-----------------------------------------|
| Value Type | Integer |
| Default Value | 1 |
| Platforms | Program Neighborhood |
| Supported Values | 1 2 |
| Sections | WFClient |
| Corresponding UI Element | View menu > Toolbars > Standard Buttons |

Specifies whether (1) or not (2) to display the Program Neighborhood toolbar with standard buttons.

PNUIShowTBText

| | |
|--------------------------|------------------------------------|
| Value Type | Integer |
| Default Value | 1 |
| Platforms | Program Neighborhood |
| Supported Values | 1 2 |
| Sections | WFClient |
| Corresponding UI Element | View menu > Toolbars > Text Labels |

Specifies whether (1) or not (2) to display text labels for the Program Neighborhood toolbar.

Note If the toolbar is not displayed, this parameter has no effect. See **PNUIShowTB** for displaying the toolbar.

PNUIViewType

| | |
|--------------------------|-------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 40028 (large icons) |
| Supported Values | 40028 40029 40030 40031 |
| Platforms | Program Neighborhood |
| Sections | WFClient |
| Corresponding UI Element | View menu > Large Icons, Small Icons, List, Details options |

Specifies the view options for the Program Neighborhood window.

List of supported values:

- 40028 - Large icons
- 40029 - Small icons
- 40030 - List
- 40031 - Details

PNUIVPos

| | |
|---------------|----------------------|
| Value Type | Integer |
| Default Value | 71 |
| Platforms | Program Neighborhood |
| Sections | WFClient |

Specifies the vertical position of the Program Neighborhood window. The value is the distance, in pixels, of the top edge of the Program Neighborhood window from the top edge of the Windows desktop.

PNUIWidth

| | |
|---------------|----------------------|
| Value Type | Integer |
| Default Value | 576 |
| Platforms | Program Neighborhood |
| Sections | WFClient |

Specifies the width, in pixels, of the Program Neighborhood window.

PreferTw1

| | |
|------------------|--------------------|
| Value Type | Boolean |
| Default Value | False |
| Supported Values | True False |
| Platforms | Win32 |
| Sections | ThinWire3.0 |

Specifies whether (True) or not (False) to use ICA Display Version 1 compatibility mode. This parameter overrides the server-side preference.

Note Older versions of the client that do not support ICA Display Version 2 always use Version 1, regardless of the value of this parameter.

ProtocolSupport

| | |
|---------------|-----------------------------------------------------------|
| Value Type | File name |
| Default Value | Depends on protocol. See below for details. |
| Platforms | Win32 |
| Sections | <i>transportdrivername</i> <i>winstationdrivername</i> |

Specifies the list of protocol drivers to load, in order. The list contains the section names that describe each specific protocol driver. Protocol drivers listed here, but not listed in the **WinStationDriver** section, are not loaded. Flags within this section can be used to optionally select a particular driver.

| Protocol | Supported Values of ProtocolSupport |
|-------------------------------|---------------------------------------------------|
| Interrupt & COM Sections | Modem, Frame, Reliable, Encrypt, Compress |
| IPX | Reliable, Encrypt, Compress |
| SPX | Encrypt, Compress |
| TCP/IP | RFrame, Encrypt, Compress |
| SPX/IPX | NameEnumeratorWin32 |
| NetBIOS | Encrypt, Compress |
| TCP/IP - FTP | RFrame, Encrypt, Compress |
| TCP/IP - Novell Lan WorkPlace | RFrame, Encrypt, Compress |
| TCP/IP - Microsoft | RFrame, Encrypt, Compress |
| TCP/IP - VSL | RFrame, Encrypt, Compress |
| ICA 3.0 | Modem, RFrame, Frame, Reliable, Encrypt, Compress |

Proxy[]

This section covers the following parameters:

- **ProxyAutoConfigURL**
- **ProxyBypassList**
- **ProxyFavorIEConnectionSetting**
- **ProxyHost**
- **ProxyPassword**
- **ProxyTimeout**
- **ProxyType**
- **ProxyUsername**
- **ProxyUseFQDN**

Note All Proxy[] parameters are typically read from **WFClient**. However, if a given *applicationservername* section specifies **DoNotUseDefaultCSL=On**, these parameters are read from that *applicationservername* section instead.

ProxyAutoConfigURL

| | |
|---------------|-----------------|
| Value Type | String |
| Default Value | N/A |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the location of a proxy auto-detection (.pac) script. It must be set if the value of **ProxyType** is Script. Otherwise, it is ignored.

ProxyBypassList

| | |
|---------------|-----------------|
| Value Type | String |
| Default Value | Empty List |
| Platforms | Win32 |
| Sections | WFClient |

Specifies a list of hosts for which to bypass proxy connections. An asterisk (*) included in a host name acts as a wildcard (for example, *.widgets.com). Multiple hosts must be separated by a semicolon (;) or comma (.). This parameter is ignored if the value of **ProxyType** is None or Auto.

ProxyFallback

| | |
|----------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Not Set |
| Support Values | Yes |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

If you were using a Proxy Auto Configuration (PAC) file and the client was unable to download the PAC file, for example, due to the client's location, you were not able to connect to servers. Support for a proxy fallback has been added that allows clients to bypass the proxy to connect to servers.

To enable the fallback

1. Open the Appsvr.ini file in a text editor.
2. Locate the DoNotUseDefaultCSL entry.
 - If set to True, add the following parameter to the [applicationservername] and/or the [applicationsetname] sections:
ProxyFallback=yes
 - If set to False, add the following parameter to the [WFClient] section:
ProxyFallback=yes
3. Save your changes and close the file.

ProxyFavorIEConnectionSetting

| | |
|----------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Support Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Use this setting when the client is used to connect to the Internet through a dial-up connection and has a proxy server setting setup for a LAN connection.

By default, the client checks the proxy settings for LAN connections. Setting this value to On, causes the client to check the Internet Explorer connection settings for the proxy server information.

ProxyHost

| | |
|---------------|-----------------|
| Value Type | String |
| Default Value | N/A |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the address of the proxy server. It is required if the value of **ProxyType** is any of the following: **Socks**, **SocksV4**, **SocksV5**, **Secure**. **ProxyHost** is otherwise ignored.

To indicate a port number other than 1080 (default for SOCKS) or 8080 (default for Secure), append the appropriate port number to the value after a colon (:).

ProxyPassword

| | |
|---------------|-----------------|
| Value Type | String |
| Default Value | Prompt user |
| Platforms | Win32 |
| Sections | WFClient |

Holds the clear text password to be used to automatically authenticate the client to the proxy.

ProxyTimeout

| | |
|---------------|----------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | Uses value of BrowserTimeout if BrowserTimeout is specified. Otherwise uses Web browser default timeout (2,000 ms) |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the time, in milliseconds (ms), to wait for browsing requests through a proxy server to be satisfied.

Note This value is ignored if it is less than the Web browser default time-out (2000 ms).

ProxyType

| | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Supported Values | None Auto Socks SocksV4 SocksV5 Secure Script |
| | <p>Note ProxyHost must be set if the value of ProxyType is one of the following: Socks, SocksV4, SocksV5, Secure.</p> <p>ProxyAutoConfigURL must be set if the value of ProxyType is Script.</p> |
| Platforms | Win32 |
| Sections | WFClient |

Identifies the proxy type requested for the connection.

List of supported values:

- None - Use direct connection
- Auto - Auto-detect proxy configuration from Web browser
- Socks - Use SOCKS proxy (auto-detect protocol version)
- SocksV4 - Use SOCKS proxy with Version 4 protocol
- SocksV5 - Use SOCKS proxy with Version 5 protocol
- Secure - Use Secure (HTTPS) proxy
- Script - Interpret proxy auto-configuration (.pac) script

ProxyUsername

| | |
|---------------|-----------------|
| Value Type | String |
| Default Value | Prompt user |
| Platforms | Win32 |
| Sections | WFClient |

Holds the user name to be used to automatically authenticate the client to the proxy.

ProxyUseFQDN

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Use this setting in an environment that is set up to connect to applications through a proxy and Secure Gateway. If the proxy is configured to allow only FQDNs, when the client tries to connect to the applications, the proxy may reject the request. This happens because the client resolves the Secure Gateway server name to the IP address before trying to connect to the server.

Setting this value to On, ensures that the client does not try to resolve the Secure Gateway server name to an address but will instead send the name to the proxy which should be able to resolve the address and then connect to the Secure Gateway server through the proxy.

Reliable

| | |
|------------------|---------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | <i>transportdrivename</i> |

Specifies the flag associated with the Reliable protocol driver. If **Reliable** is set to On and **Reliable** is in the **ProtocolSupport** list, the Reliable protocol driver is loaded.

RuntimePrompt

| | |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > General tab > Display Connect To screen before making Dial-In Connections option |

Specifies whether (On) or not (Off) to display the **Connect To** dialog box before making dial-up connections.

SavePNPassword

| | |
|------------------|------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |

Specifies whether (On) or not (Off) to save the password for the entry. The password is saved in a dynamically created .vl file in the user's %userprofile%\Application Data\ICAClient directory. If this parameter is set to Off, the size of the .vl file is zero bytes.

ScreenPercent

| | |
|------------------|-------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 0 |
| Supported Values | Integers in the range of 1 through 100 |
| Platforms | Program Neighborhood, Win32 |
| Sections | WFClient <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |

If **DesiredWinType** is set to 5, this parameter is used to specify the size of the ICA session as a percentage of total screen size.

SecureChannelProtocol

| | |
|------------------|-----------------------------|
| Value Type | String |
| Default Value | Detect |
| Supported Values | TLS SSL Detect |
| Platforms | Program Neighborhood, Win32 |
| Sections | WFClient |

Specifies which secure channel protocol to use.

SessionReliabilityTTL

| | |
|---------------|-------------------|
| Value Type | Integer (seconds) |
| Default Value | 180 |
| Platforms | Win32 |
| Sections | WFClient |

Allows you to configure the Session Reliability Time To Live (TTL).

serverentryname

See **applicationservername**.

SkipRedrawPerPaletteChange

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies whether (On) or not (Off) to skip redrawing the screen after a palette change. If this parameter is enabled, **HowManySkipRedrawPerPaletteChange** specifies how many palette changes are skipped before each redraw. Use this only as directed by Citrix Technical Support.

SpeedScreenMMAudioEnabled

| | |
|---------------|------|
| Default Value | True |
|---------------|------|

Specifies whether (True) or not (False) audio playback will occur through Speed Screen Multimedia Acceleration.

SpeedScreenMMAMinBufferThreshHold

| | |
|------------------|---------|
| Default Value | 10 |
| Supported Values | 5 to 15 |

Specifies what percent value the data in the media queue will be when the client requests a burst from the server to replenish its media queue.

SpeedScreenMMAMaximumBufferSize

| | |
|---------------|---------|
| Default Value | 30240KB |
|---------------|---------|

Specifies the maximum size in kilobytes of the media queue that the client can create. This is per stream, so the client could create a 30240KB queue for audio and a 30240 queue for video.

SpeedScreenMMAMaxBufferThreshHold

| | |
|------------------|-------------------------------------------------------|
| Value Type | Integer |
| Default Value | 90 |
| Supported Values | 85 to 95 |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Specifies what percent value the data in the media queue will be when the client requests that the server stops sending data until the data in the queue levels off.

SpeedScreenMMAMinBufferThreshHold

| | |
|------------------|-------------------------------------------------------|
| Value Type | Integer |
| Default Value | 10 |
| Supported Values | 5 to 15 |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Specifies what percent value the data in the media queue will be when the client requests a burst from the server to replenish its media queue.

SpeedScreenMMAPlaybackPercent

| | |
|------------------|-------------------------------------------------------|
| Value Type | Integer |
| Default Value | 35 |
| Supported Values | 25 to 45 |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Specifies the percentage of the media queue that needs to be filled before playback on the client begins.

SpeedScreenMMASecondsToBuffer

| | |
|------------------|---------|
| Default Value | 10 |
| Supported Values | 1 to 10 |

Specifies the seconds of buffer in the client. The value is set on both the server and client and the connection is set up with the smaller of these values.

SpeedScreenMMAVideoEnabled

| | |
|------------------|--------------|
| Default Value | True |
| Supported Values | True False |

Specifies whether (True) or not (False) video playback will occur through Speed Screen Multimedia Acceleration.

SSLCertificateRevocationCheckPolicy

| | |
|------------------|--------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | See description below |
| Supported Values | NoCheck CheckWithNoNetworkAccess FullAccessCheck FullAccessCheckAndCRLRequired |
| Platforms | Win32 |
| Sections | WFClient |

Governs how a given trusted root certificate authority is treated during an attempt to open a remote session through SSL when using the client for 32-bit Windows.

When certificate revocation list checking is enabled, the client checks whether or not the server's certificate is revoked. This feature improves the cryptographic authentication of the Citrix server and improves the overall security of the SSL/TLS connections between an client and a server. There are several levels of certificate revocation list checking. For example, the client can be configured to check only its local certificate list, or to check the local and network certificate lists. In addition, certificate checking can be configured to allow users to log on only if all Certificate Revocation lists are verified.

The client checks SSL certificate revocation only when the underlying operating system is Windows 2000 or later. When this setting is not configured in the Appsvr.ini and .ica files, NoCheck is used as the default value for Windows NT4/9x and CheckWithNoNetworkAccess is used as the default value for Windows 2000/XP. When the CertificateRevocationCheckPolicy setting is configured in the Appsvr.ini file of a user's profile and the .ica file, the value in the Appsvr.ini file takes precedence when attempting to launch a remote session using the .ica file. This behavior is the reverse of that displayed with most other parameters shared between the two file types.

Possible values for the parameter SSLCertificateRevocationCheckPolicy in the Appsvr.ini/.ica file are as follows:

NoCheck. No Certificate Revocation List check is performed.

CheckWithNoNetworkAccess. Certificate revocation list check is performed. Only local certificate revocation list stores are used. All distribution points are ignored. Finding a Certificate Revocation List is not critical for verification of the server certificate presented by the target SSL Relay/Secure Gateway server.

FullAccessCheck. Certificate Revocation List check is performed. Local Certificate Revocation List stores and all distribution points are used. Finding a Certificate Revocation List is not critical for verification of the server certificate presented by the target SSL Relay/Secure Gateway server.

FullAccessCheckAndCRLRequired. Certificate Revocation List check is performed. Local Certificate Revocation List stores and all distribution points are used. Finding all required Certificate Revocation Lists is critical for verification.

SSLCiphers

| | |
|------------------|------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | ALL |
| Supported Values | ALL COM GOV |
| Platforms | Win32 |
| Sections | WFClient <i>applicationsetname</i> <i>applicationservername</i> |

On platforms that support multiple SSL cipher suites (currently Win32 only), this parameter determines which cipher suite(s) the client is permitted to use to establish an SSL connection.

List of supported values:

- COM = RC4
- GOV = 3DES
- ALL = either

Non-Win32 platforms are locked (hard-coded) to **COM**.

SSLCommonName

| | |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | N/A |
| Platforms | Win32 |
| Sections | WFClient for all custom ICA connections unless otherwise overridden <i>applicationservername</i> for each custom ICA connection where DoNotUseDefaultCSL=On |

If the value of **SSLProxyHost** is not identical to that of the server name as it appears on the SSL certificate, this parameter is required, and its value must specify the server name as it appears on the SSL certificate.

SSLEnable

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

The value of this parameter must be On to enable SSL. This setting is ignored by network protocols other than TCP/IP.

SSLNoCACerts

Not used by Win32 Clients.

SSLProxyHost

| | |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | * |
| Platforms | Win32 |
| Sections | WFClient for all custom ICA connections unless otherwise overridden <i>applicationservername</i> for each custom ICA connection where DoNotUseDefaultCSL=On |

By default, this parameter is not present, or, if present, the value is set to ***:443**. Assuming that every Citrix server in a server farm has its own SSL relay, the asterisk means that the address of the SSL relay is the same as that of the Citrix server.

If not every Citrix server in a given server farm has its own relay, the value can specify an explicit server name in place of the asterisk. If the value is an explicit server name, SSL traffic enters the server farm through the server whose name is specified by the value. The server name value must match the server name in the server's SSL certificate; otherwise, SSL communications fail.

For listening port numbers other than 443, the port number is appended to the server name following a colon (:):

```
SSLProxyHost=*:SSL relay port number,
```

where *SSL relay port number* is the number of the listening port.

Related parameter: **SSLCommonName**

SSOnCredentialType

| | |
|------------------|-----------------|
| Value Type | String |
| Default Value | Any |
| Supported Values | Any NT NDS |
| Platforms | Win32 |
| Sections | WFClient |

Allows particular credentials (Windows, NetWare, either) to be used with pass-through authentication on client devices that have the Novell Client installed.

SSOnUserSetting

| | |
|--------------------------|--------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | N/A |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | WFClient |
| Corresponding UI Element | ICA Settings dialog box > General tab > Use local credentials to log on option |

Selects (On) or clears (Off) the **Use local credentials to log on** option. You must choose to use pass-through authentication when installing the client for this parameter to have an effect.

Related parameters: **EnableSSOnThruICAFile**, **UseLocalUserAndPassword**

SucConnTimeout

| | |
|------------------|-------------------------------------------------------|
| Value Type | Integer |
| Default Value | 20 seconds |
| Supported Values | xx seconds |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Multiple sessions can be opened if multiple configured seamless Window applications are started in rapid succession and the server has custom logon scripts that take longer than 20 seconds to complete. To extend this time-out value, enter this setting in the Appsvr.ini file under the [WFClient] section.

SwapButtons

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies whether (On) or not (Off) to swap the function of the client device's mouse buttons within the ICA session.

TcpBrowserAddress

See **[Protocol]BrowserAddress**.

TransparentKeyPassthrough

| | |
|------------------|----------------------------------|
| Value Type | String |
| Default Value | FullScreenOnly |
| Supported Values | Local, Remote, or FullScreenOnly |
| Platforms | Win32 |
| Sections | WFClient |

Determines how the mapping of certain Windows key combinations are used when connecting to ICA sessions.

This setting appears in the Program Neighborhood user interface under ICA Settings page and in the Web Interface for Citrix Presentation Server Settings page.

- When Local is set, the key combinations apply to the local desktop
- When Remote is set, the key combinations apply to seamless and non-seamless ICA sessions when their windows have the keyboard focus
- When FullScreenOnly is set, the key combinations apply to the non-seamless ICA session in full screen mode

The default value is FullScreenOnly. When no TransparentKeyPassthrough setting in the ICA file is passed to the ICA Engine, the keyboard transparent feature behave's as if FullScreenOnly is set.

TransportDriver

| | |
|------------------|-----------------------------------------------------------|
| Value Type | String |
| Default Value | see following table |
| Supported Values | TCP/IP IPX SPX NETBIOS |
| Platforms | Win32 |
| Sections | <i>applicationsetname</i> <i>applicationservername</i> |

In combination with “BrowserProtocol” (page 40), this parameter corresponds to the **Network Protocol** option in the Program Neighborhood user interface.

TransportDriver specifies the network protocol used for ICA *connections*.

BrowserProtocol specifies the network protocol used for ICA *browsing*.

The value must correspond to one of the transport drivers specified in the **TransportDriver** section of module.ini.

| Name of Network Protocol in Program Neighborhood User Interface | Corresponding value of <i>TransportDriver</i> | Corresponding value of <i>BrowserProtocol</i> |
|-----------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| TCP/IP | TCP/IP | UDP |
| TCP/IP+HTTP | TCP/IP | HTTPonTCP |
| IPX | IPX | IPX |
| SPX | SPX | SPX |
| NETBIOS | NETBIOS | NETBIOS |
| SSL/TLS+HTTPS | TCP/IP | HTTPonTCP |

Note SSL/TLS+HTTPS network protocol also requires **SSLEnable=On**.

TransportReconnectEnabled

| | |
|------------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Specifies whether (On) or not (Off) the Auto Client Reconnect is enabled. By default if the client connects to a server that is enabled for **AutoClientReconnect** and a disconnection occurs, the client tries indefinitely to reconnect to the disconnected session until the user clicks the **Cancel** button in the **AutoClientReconnect** dialog box.

To set the frequency of the retry attempts see **TransportReconnectRetries**.

TransportReconnectRetries

| | |
|------------------|-------------------------------------------------------|
| Value Type | Integer |
| Default Value | 0 |
| Supported Values | 1 or Higher |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Specifies the number of retries the client will attempt to reconnect to the disconnected session. If the **TransportReconnectEnabled** value is set to On or is not present in the .ini file, the number that is specified for this value is used.

TW2CachePower

| | |
|---------------|-----------------------|
| Value Type | Integer |
| Default Value | see description below |
| Platforms | Win32 |
| Sections | ThinWire3.0 |

Specifies, in powers of 2 bytes, the size of the ThinWire cache. For example, a **TW2CachePower** value of 23 creates an 8MB (2^{23} bytes) ThinWire cache.

If you specify a value, set it in the range of 19 to 25. Any value less than 19 is reset to 19; any value greater than 25 is reset to 25. If you do not specify a value, the ThinWire driver automatically computes the initial size based on connection resolution and color depth, applying a value in the range of 22 to 25. If the required memory space cannot be allocated, the value is gradually lowered until it matches the actual amount of available memory space. If memory space equivalent to a value of 19 (512KB) cannot be allocated, the connection is dropped.

TWIgnoreWorkArea

| | |
|---------------|-------------------------------------------------------|
| Value Type | Boolean |
| Default Value | False |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Specifies whether (True) or not (False) the entire desktop area will be sent to the server. By default when the client connects to the server it sends the entire desktop area (including the taskbar) of the client display to the server. Setting this value to True sends only the desktop work area (area where shortcuts are placed, for example).

TWIMode

| | |
|------------------|-----------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | <i>applicationsetname</i> <i>applicationservername</i> |

Specifies whether (On) or not (Off) to use seamless mode for all connections in the associated application set or for the associated custom ICA connection. Set the parameters **DesiredVRES**, **DesiredHRES**, and **DesiredWinType** accordingly.

TWISeamlessFlag

| | |
|------------------|-----------------|
| Value Type | Integer |
| Default Value | 0 |
| Supported Values | 0 1 |
| Platforms | Win32 |
| Sections | WFClient |

Starting with Version 9.x of the 32-bit Client for Windows, when an application launches seamlessly, if focus is shifted away from the Logon Status dialog boxes before the application is displayed, the application launches behind whichever window has focus.

By setting this value to 1, seamless applications launch in the foreground and have focus, even if the focus shifted away from the Logon Status dialog boxes.

TWIShrinkWorkArea

| | |
|------------------|-------------------------------------------------------|
| Value Type | Integer |
| Default Value | 0 |
| Supported Values | > 0 |
| Platforms | Program Neighborhood, Program Neighborhood Agent, Web |
| Sections | WFClient |

Specifies the value that the work area will be minimized. Seamless applications cover the local taskbar on Windows 2000, 2003, and XP workstation computers when **Auto hide** is selected in the taskbar and Start Menu Properties dialog box. If the user selects to auto hide the local taskbar and a seamless ICA session is run, the local taskbar may not be accessible. If the seamless application is minimized, the local taskbar can be accessed. To avoid this problem, set the setting to a value of 3 or more.

UpdatesAllowed

| | |
|------------------|-----------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient |

Specifies whether (On) or not (Off) to allow client updates. This parameter is set by the **Allow automatic client updates** option.

UseAlternateAddress

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | 0 |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient for all custom ICA connections unless otherwise overridden <i>applicationsetname</i> for each published application set where DoNotUseDefaultCSL=On <i>applicationservername</i> for each custom ICA connection where DoNotUseDefaultCSL=On |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Connection tab > Firewalls > Use alternate address for firewall connection option For <i>applicationservername</i> : Properties dialog box > Connection tab > Firewalls > Use alternate address for firewall connection option |

Selects (1) or clears (0) the **Use alternate address for firewall connection** option. Used to perform Network Address Translation (NAT).

Firewalls use IP address translation to convert public (Internet) IP addresses into private (intranet) IP addresses. Public IP addresses are called *external* addresses because they are external to the firewall, while private IP addresses are called *internal* addresses. In this context, alternate means external.

A client configured to use TCP/IP server location network protocol sends a directed UDP datagram to the server IP address, using TCP/IP port 1604. Any intervening firewall must be configured to allow UDP packets to pass port 1604 or client-server communication fails.

If a fixed server location address is specified, the client contacts that server to determine the address of the ICA master browser. When the client connects by server or published application name, the ICA master browser returns the address of the requested server or published application.

You can use **UseAlternateAddress** for TCP/IP connections only. To specify the server's IP address, you must include the following statement in the [WFClient] section of the ICA file:

```
TcpBrowserAddress=ipaddress,
```

where *ipaddress* is the IP address of the Citrix server. You must also use the ALTADDR command on the Citrix server with IP address *ipaddress* that is accessed by the ICA file.

See the *MetaFrame Presentation Server Administrator's Guide* for more information about the ALTADDR command.

UseDefaultEncryption

| | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Win32, Program Neighborhood |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Encryption Level > Use Server Default option For <i>applicationservername</i> : Properties dialog box > Options tab > Encryption Level > Use Custom Default option |

In *applicationsetname*: Specifies whether to use the server-side default encryption setting (On) or the setting specified in *applicationsetname* (Off). *EncryptionLevel* must be specified in *applicationsetname* if the value of *UseDefaultEncryption* in *applicationsetname* is Off.

In *applicationservername*: Specifies whether to use the custom default encryption setting in **WFClient** (On) or the setting specified in *applicationservername* (Off). *EncryptionLevel* must be specified in *applicationservername* if the value of *UseDefaultEncryption* in *applicationservername* is Off.

UseDefaultSound

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Enable Sound > Use Server Default option For <i>applicationservername</i> : Properties dialog box > Options tab > Enable Sound > Use Custom Default option |

In *applicationsetname*: Specifies whether to use the server-side default sound quality setting (On) or the setting specified in *applicationsetname* (Off).

In *applicationservername*: Specifies whether to use the custom default sound quality setting in **WFClient** (On) or the setting specified in *applicationservername* (Off).

UseDefaultWinColor

| | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Window Colors > Use Server Default option For <i>applicationservername</i> : Properties dialog box > Options tab > Window Colors > Use Custom Default option |

In *applicationsetname*: Specifies whether to use the server-side default window color setting (On) or the setting specified in *applicationsetname* (Off).

In *applicationservername*: Specifies whether to use the custom default window color setting in *WFClient* (On) or the setting specified in *applicationservername* (Off).

UseDefaultWinSize

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Boolean |
| Default Value | Off |
| Supported Values | On Off |
| Platforms | Program Neighborhood, Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > Window Size > Use Server Default option For <i>applicationservername</i> : Properties dialog box > Options tab > Window Size > Use Custom Default option |

In *applicationsetname*: Specifies whether to use the server-side default window size setting (On) or that specified in *applicationsetname* (Off).

In *applicationservername*: Specifies whether to use the custom default window size setting in *WFClient* (On) or that specified in *applicationservername* (Off).

UseLocalUserAndPassword

| | |
|------------------|-----------------------------------------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Program Neighborhood |
| Sections | <i>applicationsetname</i> <i>applicationservername</i> |

Specifies whether (On) or not (Off) to use the same user name and password the user used to log on to the client computer for authentication to the Citrix server.

Note *SSOnUserSetting* must be set to On.

Related Parameters: **EnableSSOnThruICAFile**, **SSOnUserSetting**

Username

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Platforms | Program Neighborhood, Win32 |
| Sections | <i>applicationservername</i> (Win32) |
| Corresponding UI Element | Properties dialog box > Logon Information tab > User-specified credentials option > User name text box |

Specifies the user name that appears in the **User name** text box if the user selects the **User-specified credentials** option for the associated *custom ICA connection*.

Version

| | |
|---------------|-----------------|
| Value Type | Integer |
| Default Value | 2 |
| Platforms | Win32 |
| Sections | WFClient |

Warning Fixed value. Do not change.

VirtualDriver

| | |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | String |
| Default Value | None |
| Supported Values (in load order) | Thinwire3.0, ClientDrive, ClientPrinterQueue, ClientPrinterPort, Clipboard, ClientComm, ClientAudio, ClientManagement, LicenseHandler, ProgramNeighborhood, TWI, ZL_FONT, ZLC, SmartCard, ICACTL, Multimedia, SpeechMike, SSPI, TwainRdr |
| Platforms | Win32 |
| Sections | <i>virtualdrivername</i> |

Specifies a list of virtual drivers to load, in sequence. The listed items correspond to section names containing parameters for each specific virtual driver. Individual features can be disabled by removing their drivers from this list (for example, remove **ClientDrive** to disable client drive mapping).

VSLAllowed

| | |
|------------------|-------------------------------------------------|
| Value Type | Boolean |
| Default Value | On |
| Supported Values | On Off |
| Platforms | Win32 |
| Sections | WFClient <i>applicationservername</i> |

Enables (On) or disables (Off) client printer spooling by controlling whether (On) or not (Off) the client printer mapping virtual driver in **ClientPrinterQueue** is loaded.

WinStationDriver

| | |
|---------------|----------------------------------------------|
| Value Type | String |
| Default Value | ICA 3.0 |
| Platforms | Win32 |
| Sections | <i>applicationservername</i> of Template.ica |

Lists all supported WinStation driver names. Each name has an associated section.

winstationdrivername

| | |
|---------------|--------------------------------------------|
| Value Type | String |
| Default Value | None |
| Platforms | Win32 |
| Sections | <i>applicationservername</i> of appsrv.ini |

Specifies the name of the WinStation driver to use. The name corresponds to a name in module.ini. This is usually ICA 3.0.

XmlAddressResolutionType

| | |
|------------------|----------------------|
| Value Type | String |
| Default Value | DNS-Port |
| Supported Values | DNS-Port IPv4-Port |
| Platforms | Win32 |
| Sections | WFClient |

Specifies the address resolution method used for XML requests. Address resolution is the process of resolving server and published application names to network addresses that the network driver can understand and use.

ZLKeyboardMode

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 0 (always off) |
| Supported Values | 0 1 2 |
| Platforms | Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > SpeedScreen Latency Reduction menu; Local text echo option For <i>applicationservername</i> : Properties dialog box > Options tab > SpeedScreen Latency Reduction menu; Local Text Echo option |

Specifies whether or not to use local text echo.

List of supported values:

- 0 - Always off
- 1 - Always on
- 2 - Auto (see description)

For 2 (Auto), local text echo is used if the connection latency exceeds the high latency threshold set using the SpeedScreen Latency Reduction Manager. The Citrix server must support SpeedScreen Latency Reduction for this setting to take effect.

ZLMouseMode

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Type | Integer |
| Default Value | 2 (Auto) |
| Supported Values | 0 1 2 |
| Platforms | Win32 |
| Sections | <i>applicationsetname</i> (Program Neighborhood) <i>applicationservername</i> (Win32) |
| Corresponding UI Element | For <i>applicationsetname</i> : Settings dialog box > Default Options tab > SpeedScreen Latency Reduction menu; Mouse Click Feedback option For <i>applicationservername</i> : Properties dialog box > Options tab > SpeedScreen Latency Reduction menu; Mouse Click Feedback option |

Specifies whether or not to use mouse click feedback.

List of supported values:

- 0 - Always off
- 1 - Always on
- 2 - Auto (see description)

For 2 (Auto), mouse click feedback is used if the connection latency exceeds the high latency threshold set using the SpeedScreen Latency Reduction Manager. The Citrix server must support SpeedScreen Latency Reduction for this setting to take effect.

Registry Settings

This chapter describes the configurable registry settings in the client.

Caution Using Registry Editor incorrectly can cause serious problems that may require you to reinstall your operating system. Citrix cannot guarantee that problems resulting from the incorrect use of Registry Editor can be solved. Use Registry Editor at your own risk.

Extending the Time to Open Outlook Attachments as Published Applications

Program Neighborhood Agent users cannot open email attachments from the preview pane of Microsoft Outlook 2000 if the attachments are opened by published applications. The issue occurs because Outlook deletes the temporary client file when the process launching the associated published application terminates, but before the application launches.

This parameter adds support for a registry entry that extends the process time long enough for the published application to launch before the temporary file is deleted.

To extend the process time, you must set the following registry key:

| | |
|--------------|------------------------------------------------|
| Registry Key | HKEY_LOCAL_MACHINE \SOFTWARE\Citrix\ICA Client |
| Value Name | PNAgentExitDelay |
| Value Type | REG_DWORD |
| Data | 15000 |

Detecting High CPU Utilization with Auto Select Network Cards

Users with a network interface card set to Auto Select and connected to a Cisco Catalyst switch may see 100% CPU consumption when transferring large amounts of clipboard data. This consumption is caused by a problem with the Cisco Catalyst switch and the settings in the network interface card.

To solve this problem, a new registry value is required to detect the 100% CPU consumption. Create the following registry key with the values indicated:

| | |
|----------------|-----------------------------------------------|
| Registry Key | HKEY_LOCAL_MACHINE\SOFTWARE\Citrix\ICA Client |
| Value Name | DetectRunawayThread |
| Value Type | REG_DWORD |
| Possible Value | 1 or 2 |

If you set the value to 1: When an infinite loop occurs, the code stops this loop and restarts the loop again.

If you set the value to 2: When an infinite loop occurs, the code terminates the entire process and the session is disconnected.

Setting the Pass-Through Client Name

When using the pass-through client, client printers are not always auto-created with the correct name, causing some applications to fail to print. The pass-through client retrieves its name from a registry setting that is writable by any other client running on the same system. The registry setting for a client name is not always consistent.

Pass-through clients now query their terminal session rather than the registry for the Client Name, ensuring that each client uses a consistent name and that printer names are built correctly by the Citrix server during auto-creation.

| | |
|--------------|------------------------------------------------------------|
| Registry Key | HKEY_LOCAL_MACHINE\SOFTWARE\Citrix\ICA Client\PASS THROUGH |
| Value Name | PASS THROUGH |
| Value Type | REG_DWORD |
| Value | 1 |

Printers for pass-through clients are now auto-created with correct names.

Setting Pass-Through Logoff Sessions

When using the pass-through client, users were unable to log off from the Citrix server if an ICA session was open. All pass-through ICA sessions had to be closed before users could log off from the server.

The pass-through client is a 32-bit Program Neighborhood client published on a Citrix server. Connecting to the pass-through client allows users of different client platforms to access all published applications in the server farm regardless of platform.

If you want to provide users with the ability to log off from the server without first closing all pass-through ICA sessions, you can modify the registry of the Citrix server that publishes the pass-through client. When a user attempts to log off, this registry setting forces all open ICA sessions into a disconnected state and then allows the user to log off.

| | |
|--------------|------------------------------------------------------------|
| Registry Key | HKEY_LOCAL_MACHINE\SOFTWARE\Citrix\ICA Client\PASS THROUGH |
| Value Name | QuickLogOff |
| Value Type | REG_DWORD |
| Value | 1 |

After you modify the registry, users can log off from a Citrix server without first having to close all ICA sessions launched with the pass-through client.

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