



## CHAPTER 2

# Parameters for WLX INI and \$MAC INI Files

This chapter describes the supported parameters that you can use in a `wlx.ini` file and in a `$MAC.ini` file.



Tip

For information to help you construct and use the supported INI files, see [Chapter 1, “Getting Started: Learning INI File Basics”](#).

To increase usability, the supported parameters are separated into the following categories:

- [General Settings \(wlx.ini and \\$MAC.ini Files\), page 2-1](#)
- [Peripheral Settings \(wlx.ini and \\$MAC.ini Files\), page 2-6](#)
- [Connection Settings \(wlx.ini and \\$MAC.ini Files\), page 2-10](#)

## General Settings (wlx.ini and \$MAC.ini Files)

[Table 2-1](#) describes the parameters that you can use to configure general settings (bold values are defaults).



Caution

You can use the parameters in [Table 2-1](#) through [Table 2-3](#) in a `wlx.ini` file or a `$MAC.ini` file.

**Table 2-1**      *General Settings: wlx.ini and \$MAC.ini Files*

Parameter	Description
AudioMute={ <b>no</b> , yes}	Specifies whether to mute the audio. Default is no.
AudioVolume={0 to 100}	Specifies the volume level. Values of 0 to 100 provide more exact volume level.
ChangeAdminPassword={password must be base-64 encoded}	Specifies the new password for the user with administrative privileges. You can use any third-party base-64 encoder/decoder.
ChangeGuestPassword={password must be base-64 encoded}	Specifies the new password for the guest user. You can use any third-party base-64 encoder/decoder.
ChangeRootPassword={password must be base-64 encoded}	Specifies the new password for the root user. You can use any third-party base-64 encoder/decoder.
ChangeThinUserPassword={password must be base-64 encoded}	Specifies the new password for the thin user. You can use any third-party base-64 encoder/decoder.

**Table 2-1** General Settings: wlx.ini and \$MAC.ini Files (continued)

Parameter	Description
DesktopTaskBar={ <b>bottom</b> , top, left, right} AutoHide={ <b>no</b> , yes} [AlwaysOnTop={ <b>no</b> , yes}]	DesktopTaskBar—Specifies the position of the taskbar. For example: DesktopTaskBar=left AutoHide—Specifies whether to hide the taskbar until the user moves the mouse cursor over the taskbar area. AlwaysOnTop—Specifies whether to always display the taskbar on top of all other windows.
DisableReadyMode={no, <b>yes</b> }	Specifies whether to disable the ready mode. When a device is shut down and ready mode is enabled, the device logs out of the session, places the power button LED in a state of off, and then goes into Suspend mode. If a user presses the power button again, the device wakes up immediately for the user to log in. Default is DisableReadyMode=yes.  The ready mode functionality can be enabled using DisableReadyMode=no. Example: DisableReadyMode=no will enable ReadyMode functionality. DisableReadyMode=yes will disable ReadyMode functionality.
EncryptPasswords={0,1}	Specifies whether to enable or disable encryption/decryption (encoding/decoding). <ul style="list-style-type: none"> <li>0—specifies plain password</li> <li>1—specifies encrypted/encoded password (Default)</li> </ul> <b>Note</b> <ul style="list-style-type: none"> <li>Cisco recommends that you define this parameter as the first parameter in the INI file.</li> <li>In an INI file, if you place any connection or parameter that has a password before this INI parameter, the preceding connection or parameter will not work.</li> </ul>
IdleAction.Enable={ <b>no</b> , yes} [IdleAction.Timeout={0 to 1440}] [IdleAction.Action={ Any valid Command}]	Configures the action of the device for an idle state.  If IdleAction.Enable=yes and the device is idle for the IdleAction.Timeout (in minutes from 0 to 1440), then the device executes the command that is specified in the IdleAction.Action parameter.  By default, IdleAction.Enable=no. Example: IdleAction.Enable=yes IdleAction.Timeout=30 IdleAction.Action=/sbin/reboot
ImportCerts={ <b>no</b> , yes} [Certs=list of certificate names]	Indicates whether to import certificates from the server. Default is no. Certs is a list of certificate names (the names must be separated by a semicolon).  <b>Note</b> Certificates must be placed in the /wlx/certs directory.  <b>Note</b> The certificates must be .crt, .pem, or any valid certificate type.  Example: ImportCerts=yes Certs=Cert1.cer;Cert2.crt;Cert3.pem;Cert4.der

**Table 2-1** General Settings: wlx.ini and \$MAC.ini Files (continued)

Parameter	Description
Include=path/filename	Includes another INI file at the position of this command. <b>Note</b> Only one level of include is allowed (nesting is not allowed).
InstallAddons=name of add-on OR NewAddons= name of add-on	Specifies add-ons to install. Use comma-separated add-on names.
Password=password [PasswordEncryptionCode={yes, no}]	Specifies the encrypted password for the INI user. Use the crypt utility available on standard Linux machines to encrypt the plain-text password and use the encrypted string for the password. For example: Password=IF2Sq d7qEqBg  PasswordEncryptionCode—Specifies whether to use a Base64 encoded password. If no, a plain-text password is used.
PowerButtonAction={ <b>interactive</b> , reboot, restart, halt, shutdown, sleep, logoutandsleep, none, nothing}	Specifies the action the thin client takes when the power button is pressed. Default is interactive.  interactive—Presents an option window to the user reboot or restart—Reboots the device halt or shutdown—Shuts down the device sleep—Puts the device into sleep mode logoutandsleep—Logs out the device and puts the device into sleep mode none or nothing—No action (does nothing)
PowerManager={X,Y}	X is the system sleep time range:0..3600 seconds. Default value is 0 (never) Y is the display sleep time range:0..3600 seconds. Default value is 300
RemoveAddons=name of add-on	Specifies add-ons to uninstall. Use comma-separated add-on names.
RootPath=root path	The thin client uses this root path to access files on the file server. The directory name /wlx is appended to the root path entry before use.

Table 2-1 General Settings: wlx.ini and \$MAC.ini Files (continued)

Parameter	Description
ScreenSaver={0 to 180} [LockTerminal={no, yes}] [SoftSaver={no, yes}] [LogoutButton={no, yes}] [Type={1   2   name[,name...]}] [CycleDelay=0 to 180] [Image=filename] [Layout={none   centered   wallpaper   scaled   stretched}]	<p>Specifies to put the thin client in a screensaver state when the time limit for inactivity in minutes (delay before starting) is reached.</p> <p><b>Note</b> Put the parameters on the same line. For example:</p> <p style="padding-left: 40px;">ScreenSaver=5 LockTerminal=yes SoftSaver=yes Type=coral,drift,hypertorus,interaggregate,pipes,skytentacles CycleDelay=5</p> <p>LockTerminal—Specifies whether to lock the client when the screen saver is activated.</p> <ul style="list-style-type: none"> <li>no—Disabled</li> <li>yes—Puts the thin client in a LOCK state when the screen saver is activated. The user is prompted with an unlock dialog box to enter the sign-on password to unlock the thin client.</li> </ul> <p>SoftSaver—Specifies whether the thin client runs a soft saver. Soft savers are available only when the optional SCREENSAVER-THEMES add-on is installed.</p> <ul style="list-style-type: none"> <li>no—Displays a blank screen</li> <li>yes—Runs a graphical display</li> </ul> <p>LogoutButton—Displays a Logout button in the unlock dialog box if LockTerminal=yes</p> <p>Type—Specifies which display programs should run if SoftSaver=yes</p> <p><b>Note</b> Names are preferred over the legacy numbers. 1=fadeplot; 2=rocks</p> <p>CycleDelay—When more than one Type name is specified, CycleDelay specifies how many minutes each Type name should run.</p> <p>Image—Specifies the filename to use for the screen saver (this option is ignored in cases of backward compatibility).</p> <p>Layout—Specifies the layout to use for the screen saver (this option is ignored in cases of backward compatibility).</p> <p><b>Note</b> For a complete list of screensaver names, install the SCREENSAVER-THEMES add-on and then search in /usr/share/applications/screensavers. The filenames, without the .desktop suffix, are the available screensaver names. The Name entry in each .desktop file provides the value that is displayed in the Screensaver configuration GUI application; and the Comment entry provides a brief description.</p>
TerminalName=text string	Specifies the name of the thin client comprising a 15-character string.
TimeFormat={"12-hour format", "24-hour format"}	Specifies the time format to use (how the clock on the desktop panel is displayed). By default, the local format is used.
TimeServer=host[:host]	Specifies the SNTP time servers to use for time retrieval. You can designate one or two Network Time Protocol servers (separated by a semicolon). The client synchronizes the time of day to the servers at boot time, and keeps the time in sync with the servers during operation.

**Table 2-1** General Settings: wlx.ini and \$MAC.ini Files (continued)

Parameter	Description
TimeZone={ zone value } [ManualOverride={ <b>no</b> , yes }]	<p>Specifies the time zone if the zone is unspecified on the thin client or is used with ManualOverride.</p> <p>ManualOverride specifies whether to override the thin client System Preference Menu setting with this TimeZone setting.</p> <p><b>Note</b> For the complete list of TimeZone values, see <a href="#">Appendix C, “TimeZone Parameter Values”</a>.</p>
UpdateBiosCmos={ <b>no</b> , yes }	<p>Enables or disables the BIOS CMOS update. By default, UpdateBiosCmos is disabled (set to no). See also the BiosCmosImages parameter.</p> <p>Example:</p> <p>UpdateBiosCmos=1</p>
Update.Mode={ Both, Image, Addons, None }	<p>Specifies the update mode for image upgrades.</p> <p><b>Value and Description</b></p> <p>Both—Updates image and add-ons</p> <p>Image—Updates image only</p> <p>Addons—Updates add-ons only</p> <p>None—Does not upgrade</p>
Update.Preserve_changes={ no, yes }	<p>Specifies whether to preserve changes while upgrading.</p> <p>With update.preserve_changes=no, the thin client does not locally cache configuration settings during an image upgrade. Instead, the thin client erases all existing configurations and applies the configuration specified by the Cisco VXC Manager package that you use to push the upgrade. This is the Cisco-recommended setting.</p> <p>With update.preserve_changes=yes, the thin client caches configuration settings during the image upgrade.</p>

# Peripheral Settings (wlx.ini and \$MAC.ini Files)

Table 2-2 contains the parameters that you can use to configure peripheral settings (such as keyboard, monitor, mouse, and printer). Default values appear in bold.

**Table 2-2** *Peripheral Settings: wlx.ini and \$MAC.ini Files*

Parameter	Description
CursorHideDelay={ 1–60 }	Specifies the amount of time to wait before the cursor is hidden (the cursor is hidden after the specified number of seconds). After you move or click the mouse or press any keyboard key, the cursor reappears.
DeskColor=<color> [{solid   horizontal-gradient   verticalgradient} <color>]	<p>Specifies the desktop background color where &lt;color&gt; can be one of the following values:</p> <ul style="list-style-type: none"> <li>• rrggbb—An RGB color specification in the form commonly used in HTML.</li> <li>• &lt;color name&gt;—A color name from the /usr/share/X11/rgb.txt file. Note that these names are case sensitive.</li> <li>• 0–255 0–255 0–255—Three integers in the range of 0 to 255 representing the amount of red, green, and blue, respectively. <b>CAUTION:</b> This form is deprecated. It is available for backward compatibility only.</li> </ul> <p>For example: Deskcolor=DarkGoldenrod horizontal-gradient LightGoldenrod</p> <p>The first &lt;color&gt; is the primary color and is used if no shading is specified or if the shading is solid.</p> <p>The second color is the secondary color. When shading is specified, the primary color appears on the left (horizontal) or top (vertical) edge with a smooth transition to the secondary color on the opposite edge.</p>
Desktop=image file [Layout={ <b>Center</b> , Tile, Stretch, Scale, None } Opacity={ 0– <b>100</b> }]	<p>Desktop—Specifies an image file to use as wallpaper for the local desktop. The file must be located in the wlx/bitmap directory on the server. The image file can be any type that is supported by SUSE/GNOME for use as wallpaper (such as PNG, JPG, and GIF). The filename is case sensitive. The default is no wallpaper.</p> <p>Layout—Specifies the arrangement on the desktop background of the specified image file. The tile value replicates the image across the desktop; the stretch value adjusts the image to fill the screen; the scale value enlarges the image to fill either the screen width or height.</p> <p>Opacity—Specifies the amount of transparency. Default is 100. At less than 100, the image is blended with the colors specified by the DeskColor option as though the image is not entirely opaque. A value of 0 indicates total transparency, and the image is not displayed at all.</p> <p>For Example: Desktop=ciscologo.gif Layout=Tile Opacity=25</p>
DesktopColorDepth={ 8, 16, <b>24</b> }	Specifies the number of colors of the desktop in bits. 8 is 256 colors; 16 is High Color; and 24 is True Color.

**Table 2-2** *Peripheral Settings: wlx.ini and \$MAC.ini Files (continued)*

Parameter	Description
DisplaySettings=MON1 <resolution> [ ; MON2 <resolution> <position>]	<p>Defines the display settings for single and multimonitor display, clone and span mode.</p> <p>Possible values for:</p> <p>resolution={ {x}X{y}, DDC }</p> <p>position={ mirror, on-left, on-right, on-above, on-below }</p> <p><b>Note</b> Meaning of different position values:</p> <ul style="list-style-type: none"> <li>mirror—Clone mode</li> <li>on-left—Span on left side</li> <li>on-right—Span on right side</li> <li>on-above—Span on top</li> <li>on-below—Span on bottom</li> </ul> <p>Examples:</p> <p>DisplaySettings=MON1 rotate-normal 1024x768@75 MON2 rotate-normal 1024x768@75 on-below</p> <p>DisplaySettings=MON1 rotate-normal 1280x1024</p> <p>DisplaySettings=MON1 1280x1024</p> <p>DisplaySettings=MON1 1280x768</p> <p>DisplaySettings=MON1 960x540</p> <p>DisplaySettings=MON1 1024x768 rotate-right</p> <p>DisplaySettings=MON1 1024x768 rotate-normal MON2 1024x768 rotate-right on-right</p> <p>DisplaySettings=MON1 1024x768 rotate-normal MON2 1024x768 rotate-right on-left</p> <p>DisplaySettings=MON1 1024x768 rotate-normal MON2 1024x768 rotate-left on-left</p> <p>DisplaySettings=MON1 1024x768 rotate-normal MON2 1024x768 rotate-normal on-left</p> <p>DisplaySettings=MON1 800x600@60 rotate-normal MON2 800x600 rotate-left on-left</p> <p>DisplaySettings=MON1 800x600@75 rotate-normal</p> <p>DisplaySettings=MON1 800x600@75 rotate-normal MON2 800x600@75 rotate-normal on-above</p> <p>DisplaySettings=MON1 1280x1024 rotate-normal MON2 1280x1024 rotate-normal mirror</p> <p>DisplaySettings=MON1 1280x1024 rotate-normal MON2 1280x1024 rotate-normal on-right</p> <p>DisplaySettings=MON1 720x400 rotate-right</p>
EnableNumLock={no, yes}	Specifies whether to enable the default state of the numeric keypad. If set to yes, the numeric keypad is activated, if set to no (default), the numeric keypad becomes the cursor control pad.
ForwardPrinters={yes, no}	<p>Specifies whether to forward all available printers for use in the RDP session. This parameter is supported with any direct RDP connection (not supported through VMware View broker). By default, ForwardPrinters is set to yes.</p> <p>For example:</p> <p>ForwardPrinters=yes</p>

**Table 2-2** *Peripheral Settings: wlx.ini and \$MAC.ini Files (continued)*

Parameter	Description
JetDirectPrinter={options}	The JetDirectPrinter command line defines a printer served by an HP JetDirect print server. For parameter options that are used in the command line, see <a href="#">JetDirectPrinter</a> in <a href="#">Appendix B, “Printer Parameters: Options”</a> .
Keyboard.layouts={Keyboard layout value}	<p>The Keyboard.layouts parameter specifies the keyboard layout. For a list of supported keyboard layout values, see <a href="#">Appendix D, “Keyboard.layouts Parameter Values”</a>.</p> <p>Example:</p> <p>Keyboard.layouts=us (for United States)</p> <p>Keyboard.layouts=ru (for Russia)</p>
MicMute={no, yes}	Specifies whether to mute the microphone volume. Default is no.
MicVolume={0–100}	Specifies the microphone volume level. Default is <b>50</b> .
MouseLocate={no, yes}	Specifies whether to briefly display an animated graphic showing the location of the mouse pointer when pressing and releasing the Ctrl key (with no other keys pressed).
MouseSendsControlV={no, yes}	<p><b>For ICA only.</b></p> <p>Allows the administrator to control the mouse button action in a UNIX environment. The values are:</p> <p>yes—In a UNIX environment, a middle mouse performs the same Paste function as the Ctrl+V keystroke combination in Windows.</p> <p>no—(default) Disables “enable middle button paste” when used in the wlx.ini file with ICA v.10.</p>
MouseSpeed={0–100}	<p>Specifies the speed when moving the mouse.</p> <p><b>Note</b> When the value includes a decimal point, it is taken as a direct multiplier of mouse motion.</p> <p>You can use the following values for backward compatibility.</p> <p><b>Value and Mouse Speed</b></p> <p>0—Slow (0.2)</p> <p>1—Medium (default) (2.0)</p> <p>2—Fast (6.0)</p>
MouseSwap={no, yes}	Specifies whether to swap the button order on the mouse. The default value is no.
NetworkPrinter={options}	Defines a printer that uses traditional UNIX Line Printer Daemon protocols. For parameter options that are used in the command line, see <a href="#">NetworkPrinter</a> in <a href="#">Appendix B, “Printer Parameters: Options”</a>
NoGrabKeyboard={no, yes}	<p>Configures keyboard event grabbing in any direct RDP connection session (not supported through VMware View broker). By default, NoGrabKeyboard is set to no.</p> <p>For example:</p> <p>NoGrabKeyboard=yes</p>
Printer={options}	Defines a locally attached printer that is connected through the noted interface. For parameter options that are used in the command line, see <a href="#">Printer</a> in <a href="#">Appendix B, “Printer Parameters: Options”</a> .



**Table 2-2** *Peripheral Settings: wlx.ini and \$MAC.ini Files (continued)*

Parameter	Description
PrinterURI={options}	Defines a printer using a URI supported by the Common UNIX Printing System (CUPS). This command is useful when you want the thin client to access a printer for which you already have a working CUPS client because you can simply copy the URI from the /cups/printers.conf file on the existing client. For parameter options that are used in the command line, see <a href="#">PrinterURI</a> in <a href="#">Appendix B, “Printer Parameters: Options”</a> .
RepeatDelay=value	Expresses, in milliseconds (100–10000), the delay before a repeat key press is recognized. Enter a value greater than 100. The default value is 660 milliseconds.  For backward compatibility, you can also use the following values: 0—1/4 second 1—1/4 second <b>2—1/2 second (default)</b> 3—1/2 second 4—3/4 second 5—3/4 second 6—1 second 7—1 second
RepeatRate=value	Expresses the number of allowable repeat key presses per second. Enter a value between 3 and 255 or a designated rate, as follows:  <b>Value and Keyboard Repeat Rate</b> 0—Slow (GUI value is 10) 1—Medium (default) (no GUI value) 2—Fast (GUI value is 110)
SMBPrinter={options}	Defines a network printer shared through the Windows Server Message Block protocols. For parameter options that are used in the command line, see <a href="#">SMBPrinter</a> in <a href="#">Appendix B, “Printer Parameters: Options”</a> .
TransparentKeyPassThrough={Local/Remote/FullScreenOnly}	Enables keyboard shortcut sequences defined by the local Windows manager in the session.  Default is FullScreenOnly.  FullScreenOnly—Key event is processed locally except in Fullscreen mode Local—Key event is processed locally in order to use ICA hotkeys Remote—Key event is forwarded to the server so that ICA hotkeys do not work

# Connection Settings (wlx.ini and \$MAC.ini Files)

Table 2-3 describes the parameters that you can use to configure connection settings. Default values appear in bold.

**Table 2-3** Connection Settings: wlx.ini and \$MAC.ini Files

Parameter	Description
AddtoEtcHosts="ip1 FQDN1 aliases1;ip2 FQDN2 aliases2;..."	Adds entries to the /hosts file, where aliases are an optional space-separated list of hostnames.
Alternate={ <b>no</b> , yes}	<p><b>For ICA only.</b></p> <p>Specifies the use of an alternate IP address returned from an ICA master browser to get through firewalls.</p> <p>Default is no.</p>
AutoSignoff={ <b>no</b> , yes}	Specifies whether to automatically log the user off when all connections are closed.
Browser.Homepage=URL	If the browser add-on is installed, this is the home page for the browser.
Browser.Prefsurl=URL	If the browser add-on is installed, this is the URL to download preferences.
Connect={BROWSER, RDP, VMWARE_VIEWCLIENT}	<p>Specifies the connection protocol.</p> <p>To create a connection using an INI file, you must specify the Connect= parameter, as well as the mandatory connect options associated with the specified connection type.</p> <p>Appendix A describes these parameters:</p> <ul style="list-style-type: none"> <li>BROWSER, see <a href="#">Mozilla Firefox Connect Options, page A-1</a></li> <li>RDP, see <a href="#">RDP Connect Options, page A-3</a></li> <li>VMWARE_VIEWCLIENT, see <a href="#">VMware View Client Connect Options, page A-5</a></li> </ul> <p>For details about configuring a XenDesktop connection, see <a href="#">XenDesktop Connection Example, page A-2</a> and <a href="#">Mozilla Firefox Connect Options, page A-1</a>.</p> <p><b>Note</b> The availability of connection types depends on the add-ons that are installed on the client.</p>
DisableDomain={no, yes}	Specifies whether to disable the display of a Domain field. The default value depends on the value of the DomainList option. When the DomainList is empty, DisableDomain defaults to yes (the display of a Domain field does not display); otherwise, it defaults to no (the display of a Domain field does display).
DisableVNC={no, <b>yes</b> }	Specifies whether to disable an installed VNC-Server Add-on.
DomainList=list of Windows domain names	<p>Specifies a list of domain names that appear in the login dialog box as options to help users select the domain to use to log in to PNAgent/PNLite servers. After you specify the list, it is saved in nonvolatile memory.</p> <p><b>Note</b> Be sure to enclose the domain list in quotation marks if you include spaces. For example: DomainList="North_America, SQA, test-domain"</p> <p>Names must be separated by semicolons or commas.</p>

**Table 2-3** Connection Settings: wlx.ini and \$MAC.ini Files (continued)

Parameter	Description
Drives=drive letter={floppy, cdrom, disk}, {rw, ro} [, basedir] drive letter=...	Maps drives on the server to USB mass storage devices that are attached to the thin client, where: drive letter=A to Z floppy=USB floppy cdrom=USB CDROM disk=USB drive or memory stick rw=read/write ro=read only basedir is an optional directory on the USB device to use.  <b>Note</b> Be sure each drive command is separated by a space.
EnableBanner={no, yes} [BannerMsg=text description]	Provides a banner description. The text must be enclosed in double quotation marks if it contains spaces or punctuation characters.
EthernetSpeed=[Auto, 100M-F, 100M-H, 10M-F, 10M-H]	Specifies the NIC speed.  Auto—Auto-negotiates speed with the peer (default). 100M-F is 100 Mb/s Full Duplex. 100M-H is 100 Mb/s Half Duplex. 10M-F is 10 Mb/s Full Duplex. 10M-H is 10 Mb/s Half Duplex.  <b>Note</b> Gigabit Ethernet (1000 Mb/s) is available on hardware that supports it using the Auto value.
FileServer=[protocol://]host	Specifies a file server from which the device can access files using the specified protocol. If no protocol is specified, FTP is assumed (for example, 192.168.0.1 is understood as ftp:// 192.168.0.1).
HomePage=URL	If the browser add-on is installed, this is the URL to the home page for the browser.
ICABrowsing={udp, http, https}	<b>For ICA only.</b>  Specifies the default browsing protocol. Default is http. This setting can be overridden by the HttpBrowsing={yes,no,ssl} in each connection property.
ICAComports=COMx={COMy, USBSERz}, COMx=...	<b>For ICA only.</b>  Maps serial devices on the server to serial devices on the thin client, where x=1 to 4; if COMy, map to that serial port on the thin client; if USBSERz, map to that USB serial port.  <b>Note</b> Be sure each serial device command is separated by a comma and space.
IcaDesktopApplianceMode={yes, no}	<b>For ICA only.</b>  Specifies whether to enable Citrix HDX USB startup (for Desktop Appliance Mode) for any USB devices that are already plugged in (the USB device will start up provided the device is not disallowed with a deny rule in the USB policies on either the server [registry entry] or the client [policy rules configuration file]). This parameter requires two thin client reboots.

**Table 2-3** Connection Settings: wlx.ini and \$MAC.ini Files (continued)

Parameter	Description
ICADrives=drive letter={floppy, cdrom, disk}, {rw, ro}, basedir [drive letter=...]	<p><b>For ICA only.</b></p> <p>To map drives on the server to USB mass storage devices that are attached to the thin client, where:</p> <p>drive letter=A to Z</p> <p>floppy=USB floppy</p> <p>cdrom=USB CDROM</p> <p>disk=USB drive or memory stick</p> <p>rw=read/write</p> <p>ro=read only</p> <p>basedir is an optional directory on the USB device to use.</p> <p><b>Note</b> Be sure each drive command is separated by a space.</p>
IcaEnhancedAudio={no, yes}	<p><b>For ICA only.</b></p> <p>Enables/Disables Citrix enhanced audio.</p> <p>true—enables Citrix enhanced audio</p> <p>false—disables Citrix enhanced audio</p> <p>Default is false.</p>
ICAhotkey={yes, no} [hotkey value]	<p><b>For ICA only.</b></p> <p>Specifies whether to allow mapping of the hotkeys. For example:</p> <p>ICAhotkey=yes</p> <p>Hotkey1Char=F1 Hotkey1Shift=Shift Hotkey2Char=F3 Hotkey2Shift=Shift</p> <p>Hotkey3Char=F2 Hotkey3Shift=Shift Hotkey4Char=F1 ..... Hotkey11Char=plus</p> <p>Hotkey11Shift=Ctrl</p> <p><b>Note</b> You must enter all hotkey options on one line.</p>
IcAMMAudio={yes, no}	<p><b>For ICA only.</b></p> <p>Specifies whether to enable Citrix HDX MultiMedia audio (see also ICADesktopApplianceMode and ICAMMVideo parameters). This parameter requires two thin client reboots.</p> <p>For example:</p> <p>To redirect audio to a USB audio device, set the following parameters as shown:</p> <p>ICADesktopApplianceMode=yes</p> <p>ICAMMVideo=yes</p> <p>ICAMMAudio=no</p> <p>To redirect audio to an analog audio device, set the following parameters as shown:</p> <p>ICADesktopApplianceMode=yes</p> <p>ICAMMVideo=yes</p> <p>ICAMMAudio=yes</p>

**Table 2-3** Connection Settings: wlx.ini and \$MAC.ini Files (continued)

Parameter	Description
IcaMMVideo={yes, no}	<p><b>For ICA only.</b></p> <p>Specifies whether to enable Citrix HDX MultiMedia video (see also ICADesktopApplianceMode and IcaMMAudio parameters). This parameter requires two thin client reboots.</p> <p>For example:</p> <p>To redirect audio to a USB audio device, set the following parameters as shown:  ICADesktopApplianceMode=yes  ICAMMMVideo=yes  ICAMMAudio=no</p> <p>To redirect audio to an analog audio device, set the following parameters as shown:  ICADesktopApplianceMode=yes  ICAMMMVideo=yes  ICAMMAudio=yes</p>
ICAMultiMedia={no, yes}	<p><b>For ICA only.</b></p> <p>Specifies whether to enable Citrix multimedia redirection.</p> <p>yes—Enables Citrix multimedia redirection  no—Disables multimedia redirection  Default is no.</p>
ICAProxyHost=proxy server IP address	<p><b>For ICA only.</b></p> <p>Specifies the firewall server address for the ICA connection. When you configure an alternate address for firewalls, and you specify HTTPS or SOCKS for the ICAProxyType, you must specify the proxy server IP address and port. You must specify each entry as host:port, where :port is optional. If you do not specify the port, the value depends on the browsing protocol.</p>
ICAProxyType=[None, HTTP, SOCKS]	<p><b>For ICA only.</b></p> <p>Defines the proxy type for the ICA connection. When you configure an alternate address for firewalls, you can select the proxy type of None, HTTP, or SOCKS.</p>
NFuseServer=host[:port][:host[:port]] OR PNAgentServer=host[:port][:host[:port]] OR PNLiteServer=host[:port][:host[:port]]	<p>Specifies a list of PN-Agent servers. If you do not specify a port, the port value depends on the browsing protocol.</p> <p>Default is Empty.</p>
NLA={no, yes}	<p><b>For RDP only.</b></p> <p>Specifies whether to enable Network Level Authentication for RDP sessions.</p>
PermitSSHRootLogin={no, yes}	<p>Specifies whether to enable login through SSH as the Linux superuser (root). Default is no.</p>
PNAgentServer	See NFuseServer.
PNLiteServer=host[:port]	Specifies a list of hosts with optional port numbers. If no port is specified, the port value depends on the browsing protocol. Default is Empty. (See also NFuseServer.)

**Table 2-3** Connection Settings: wlx.ini and \$MAC.ini Files (continued)

Parameter	Description
RapportSecurePort=port	Designates the HTTP(S) secure port used for the Cisco VXC Manager agent. Default port number is 443.  Example: RapportServer=192.168.0.2:80 RapportSecurePort=443
RapportServer=host[:port]	Specifies the Cisco VXC Manager Server and optional port to connect to. This can either be a DNS name or IP address, optionally followed by a “:” and a port number. The default port number is 80.
RdpClipBoard={yes, no}	<b>For RDP only.</b>  Specifies whether to enable or disable the clipboard in an RDP session. Default is yes.
RdpDriveMap={yes, no}	<b>For RDP only.</b>  Specifies whether to enable or disable drive mapping in an RDP session. Default is yes.
Seamless={no, yes}	Specifies whether to set the default resolution for ICA-published applications to seamless.  Default is no.
Serial={COM1, COM2, COM3, COM4} {Baud={1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200}} {Parity={None, Even, Odd, Mark, Space}} {Stop={1, 1.5, 2}} {Size={5, 6, 7, 8}} {Flow={None, XON/XOFF, CTS/RTS, Both}}	Configures local serial ports: Serial—Specifies the configuration for local serial ports. Baud—Specifies the local serial port baud rate. Parity—Specifies the local serial port parity. Stop—Specifies the local serial port stop. Size—Specifies the local serial port size. Flow—Specifies the local serial port flow.  <b>Note</b> You must specify the parameters in the order shown.
StopWatchMin=integer	Specifies an integer value to control over-scrolling; for example 100.  Users may experience problems with over-scrolling when using some published applications. Prevent this problem by adjusting the value to a greater number.
VNCAuthTypes=string {none, vnc}	Set VNCAuthTypes=vnc to enforce the use of a password for remote VNC connection (use the VNCpasswd parameter to specify the password used). If VNCAuthTypes=none, no password is required for the VNC connection.
VNCpasswd=string {password must be base-64 encoded}	If the VNC-Server Add-on is installed, specifies the password to be entered for the remote VNC connection. If no VNCpasswd is specified, the default password is password.

**Table 2-3** *Connection Settings: wlx.ini and \$MAC.ini Files (continued)*

Parameter	Description
VNCPrompt={yes, no}	<p>Specifies whether to prompt the user before shadowing starts, in which case the user can select to decline or accept VNC shadowing.</p> <p>VNCPrompt=yes means the user is always prompted before shadowing starts.</p> <p>VNCPrompt=no means the user cannot decline or accept shadowing.</p> <p>Default is yes (the user is prompted).</p>
XFontServers=host:port[;host:port...]	<p>Specifies the font server for X11 applications.</p> <p><b>Note</b> When the font server address is set by the GUI, the GUI has priority, and the parameters from the INI file are ignored.</p>

