Reference Guide

Wyse® Enhanced SUSE Linux Enterprise INI Files

Issue: 122911
PN: 883933-01 Rev. E

WYSE

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Contents

Summary of Revisions

Wyse Technology Inc. 883933-01 Rev. E

The following changes were made to this document since revision D

Reference	Description
Bootorder	New INI parameter to set the boot order in the BIOS added to Table 4 "General Settings (wlx.ini, $MAC.ini, and {username}.ini Files)."

Wyse Technology Inc. 883933-01 Rev. D

The following changes were made to this document since revision C

Reference	Description
Structural and organizational changes	Structural and organizational changes to all sections of the guide to increase usability.
Conventions Used with the INI Parameters table removed	*Conventions Used with the INI Parameters* table removed from book, as conventions were put directly into each parameter, option, or value and their description.
DesktopTaskbar	New DesktopTaskbar option *AlwaysOnTop* to always display the taskbar on top of all other windows added to Table 4 "General Settings (wlx.ini, $MAC.ini, and {username}.ini Files)."
EnableNumLock	New INI parameter to enable the default state of the numeric pad added to Table 5 "Peripheral Settings (wlx.ini, $MAC.ini, and {username}.ini Files)."
IcaDesktopApplianceMode	New INI parameter to enable Citrix HDX USB start up (for Desktop Appliance Mode) for any USB devices that are already plugged in added to Table 6 "Connection Settings (wlx.ini, $MAC.ini, and {username}.ini Files)."
IcaMMAudio	New INI parameter to enable Citrix HDX MultiMedia audio added to Table 6 "Connection Settings (wlx.ini, $MAC.ini, and {username}.ini Files)."
IcaMMVideo	New INI parameter to enable Citrix HDX MultiMedia video added to Table 6 "Connection Settings (wlx.ini, $MAC.ini, and {username}.ini Files)."
NLA	New INI parameter to enable Network Level Authentication for RDP sessions added to Table 6 "Connection Settings (wlx.ini, $MAC.ini, and {username}.ini Files)."

Reference	Description, Continued
PasswordEncryptionCode	New Password option *PasswordEncryptionCode* to use Base64 encoded password added to Table 4 "General Settings (wlx.ini, $MAC.ini, and {username}.ini Files).".
TCXUSBDevice	New INI parameter and options added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize	New INI parameter to enable TCX USB virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.ActiveSync.disable	New INI parameter to disable TCX USB Active Sync device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.Audio.disable	New INI parameter to disable TCX USB Audio device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.Communication.disable	New INI parameter to disable TCX USB Communication device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.Composite.disable	New INI parameter to disable TCX USB Composite devices virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.DataInterface.disable	New INI parameter to disable TCX USB Data Interface device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.HID.disable	New INI parameter to disable TCX USB HID device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.PalmSync.disable	New INI parameter to disable TCX USB Palm Sync device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.Printers.disable	New INI parameter to disable TCX USB Printers virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.Smartcard.disable	New INI parameter to disable TCX USB Smart card device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.StillImaging.disable	New INI parameter to disable TCX USB Still Imaging device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.Storage.disable	New INI parameter to disable TCX USB Mass Storage device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."

Reference	Description, Continued
TCXUSBVirtualize.Vendor Specific.disable	New INI parameter to disable TCX USB Vendor Specific device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."
TCXUSBVirtualize.Video.disable	New INI parameter to disable TCX USB Video device virtualization added to Table 3 "Connection Settings (wlx.ini and $MAC.ini Files Only)."

Wyse Technology Inc. 883933-01 Rev. C

The following changes were made to this document since revision B

Reference	Description
BiosCmosImages	BiosCmosImages added to "Connection Settings: wlx.ini files and $MAC.ini files only" allowing you to provide BIOS and CMOS image files that are used for a BIOS upgrade. See also the UpdateBiosCmos parameter.
DisableReadyMode	DisableReadyMode added to "Connection Settings: wlx.ini files and $MAC.ini files only" providing an option to enable or disable ready mode (immediate device wake-up) for use with device shutdown and power on.
DisplaySettings	Examples added to DisplaySettings description in "Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files."
EnableApplianceMode XenDesktopURL	EnableApplianceMode and XenDesktopURL added to "Connection Settings: wlx.ini files and $MAC.ini files only" providing options to enable and configure the action of Appliance Mode to automatically connect to the XenDesktop server and prompt for XenDesktop login credentials (to access the desktop) upon system boot.
ForwardPrinters	ForwardPrinters added to "Connection Settings: wlx.ini files and $MAC.ini files only" providing an option to enable or disable the forwarding and use of all available printers to/with any direct RDP connection session.
IdleAction.Enable IdleAction.TimeOut IdleAction.Action	IdleAction.Enable, IdleAction.TimeOut, and IdleAction.Action added to "Connection Settings: wlx.ini files and $MAC.ini files only" providing options to enable and configure the action of the device for an idle state.
Keyboard.layouts	Keyboard.layouts parameter replaces prior *Keyboard=value* parameter in "Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files" and allows you to select a supported keyboard language.

Reference	Description, Continued
NoGrabKeyboard	NoGrabKeyboard added to "Connection Settings: wlx.ini files and $MAC.ini files only" providing an option to enable or disable the grabbing of keyboard events in any direct RDP connection session.
printers.autolocate	printers.autolocate added to "Printer Parameters: Options" providing an option to specify whether or not to automatically locate and register available printers.
tcxlicensekeys=string	tcxlicensekeys=string removed from "Connection Settings: wlx.ini files and $MAC.ini files only" as this parameter has been deprecated and should not be used.
UpdateBiosCmos	UpdateBiosCmos added to "Connection Settings: wlx.ini files and $MAC.ini files only" providing an option to enable or disable the BIOS CMOS update. See also the BiosCmosImages parameter.
WLAN and supported parameters and options	WLAN and supported parameters and options added to "Connection Settings: wlx.ini files and $MAC.ini files only" providing options to define and configure wireless local area network settings.
WlanAutoRoaming RoamThreshold	WlanAutoRoaming and RoamThreshold added to "Connection Settings: wlx.ini files and $MAC.ini files only" providing options to enable or disable the WLAN Auto Roaming feature and set the Roaming Threshold value for WLAN.

Wyse Technology Inc. 883933-01 Rev. B

The following changes were made to this document since revision A

Reference	Description
Connect Option Examples	All connect option examples shown before each table in "Connect Parameter: Options" updated to better clarify the correct use of required white spaces and backslashes for each supported option used after a *Connect*= parameter as described in "Rules and Recommendations for Constructing the INI Files."

1 Introduction

Wyse® Enhanced SUSE Linux Enterprise (SLE) combines the security, flexibility, and market-leading usability of SUSE Linux Enterprise from Novell® with Wyse's thin computing optimizations in management and user experience. It is ideal for organizations that want to run server-based, Web-based, or local applications (including legacy applications) without the deployment and security concerns of a non-standard Linux distribution.

Session and networks services available on enterprise networks may be accessed on enterprise networks, a direct intranet connection, or from a remote location using a secure gateway from Citrix or VMware.

Wyse Enhanced SLE Initialization (INI) files are plain-text files that you can construct to contain the configuration information you want for your thin clients running Wyse Enhanced SLE (both on a global level and on an individual user level). For example, these INI files can be used by applications to save information about a user's preferences and operating environment.

Caution

Information and procedures presented in this guide are intended for use by system administrators and should not be used by untrained persons.

About this Guide

This guide is intended for administrators of Wyse thin clients running Wyse Enhanced SUSE Linux Enterprise (SLE). It provides the detailed information you need to help you understand and use the Wyse Enhanced SLE INI files. It contains information on the different INI files you can use and the rules for constructing the files. It also provides the parameter details you need (with working examples) to get the most out of your INI files.

Finding the Information You Need in this Guide

You can use either the Search window or Find toolbar to locate a word, series of words, or partial word in an active PDF document. For detailed information on using these features, refer to the Help in your PDF reader.

Wyse Technical Support

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To access international support, visit http://www.wyse.com/global.

Related Documentation and Services

Fact Sheets containing the features of hardware products are available on the Wyse Web site. Go to http://www.wyse.com/products/hardware, click the link for your hardware product, and then click the link for the Fact Sheet.

Administrators Guide: Wyse® Enhanced SUSE Linux Enterprise Release 11 SP1 is intended for administrators of Wyse Enhanced SUSE Linux Enterprise (SLE). It provides information and detailed system configurations to help you design and manage a Wyse Enhanced SLE environment. It is available at: http://www.wyse.com/manuals.

Administrators Guide: Wyse® PC Extender™ is intended for administrators, IT, and Customer Service staff that manage thin client environments. It provides the necessary information for using Wyse PC Extender to quickly and easily “repurpose” an existing PC or laptop into a thin client environment and VMware Virtual Desktop Infrastructure (VDI).

Wyse Cloud Software is available on the Wyse Web site at: http://www.wyse.com/products/software.

Wyse Online Community

Wyse maintains an online community where users of our products can seek and exchange information on user forums. Visit the Wyse Online Community forums at: http://community.wyse.com/forum.

2 Getting Started: Learning INI File Basics

In this chapter you will learn how to construct and use the supported INI files.

It includes:

- "Supported INI Files You can Construct"
- "Rules and Recommendations for Constructing the INI Files"
- "Placing the INI Files into the Folder Structure on the Server"

After you become familiar with the INI file basics, you can refer to the parameter details you need in the other chapters and appendixes of this guide.

Supported INI Files You can Construct

The INI files contain the parameters (and associated options and values) necessary for the various functionality you want.

You can construct the following INI files:

- wlx.ini file (see "Working with wlx.ini Files")
- {username}.ini file (see "Working with {username}.ini Files")
- $MAC.ini file (see "Working with $MAC.ini Files")

Working with wlx.ini Files

A wlx.ini file contains the “global” parameters you want that will affect all thin clients accessing the server. Parameters in both Table 3, "Connection Settings: wlx.ini files and $MAC.ini files only," and Table 6, "Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files," can be used in a wlx.ini file.

Tip

Parameters in Table 3, "Connection Settings: wlx.ini files and $MAC.ini files only," can only be used in a wlx.ini file; they cannot be used in a {username}.ini file.

Working with $MAC.ini Files

A $MAC.ini file can be used instead of a wlx.ini file for device-specific configurations. If the thin client locates a $MAC.ini file (it is stored in the same directory as a wlx.ini file), then the wlx.ini file is not accessed.

Working with {username}.ini Files

A {username}.ini file contains the user-specific or “user profile” parameters you want that will comprise the connection profile for an individual user. These parameters will affect only the user you specify. Parameters in Table 6, "Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files," can be used in a {username}.ini file.

Tip

“User profile” parameters (found in the {username}.ini file) generally override the identically named “global” parameters (found in the wlx.ini file), however, some “global” parameters do not allow this (for hierarchical precedence of one variable over another, refer to the parameter descriptions in Table 6, "Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files,").

Caution

If both PNAgent/PNLite and a user profile are being used in the environment, the username must be defined in the Windows domain to be used, and the password used must be the same for both the Windows domain and the user profile.

Rules and Recommendations for Constructing the INI Files

In general, Wyse Enhanced SLE INI files follow currently accepted “standard” INI file formatting conventions. The INI files consist of Wyse parameters. These parameters can be entered as necessary for reference, but are not mandatory unless changes from defaults are required or the parameter is noted as required in the tables. Every parameter has a name and a value, with the name appearing to the left of the equals sign (name=value). All parameters with the same name in the various INI files have the same meaning (that is, a parameter named *WyseXYZ* in a wlx.ini file and named *WyseXYZ* in a {username}.ini file will have the same meaning). Number signs (#) indicate the start of a comment. Comments can begin anywhere on a line. Everything between the # and the End of Line is ignored.

Along with these general formatting conventions, use the following guidelines when constructing the INI files:

1. **Order of Parameters**
   Global connect parameters should be listed before other connect parameters in a wlx.ini file.

2. **Mandatory Parameters**
   As stated earlier, parameters can be entered as necessary for reference, but are not mandatory unless changes from defaults are required or the parameter is noted as required in the tables. For example, the Connect= parameter is mandatory.

3. **Use of Backslashes and White Spaces**
   Placing a space and backslash (\) at the end of a line indicates line continuation; that is, the backslash means that the line and the following line are, for the purposes of reading code, the same line. No white space can appear after the backslash; the *requirement* of white space between parameter entries is maintained by the use of the space before the backslash. In addition, starting all parameters at the left margin *and* placing at least one leading space (or tab) at the beginning of all (and *only*) continuation lines makes an INI file easier to read.
   Note that in circumstances where you require string concatenation, you can use a backslash without a space before or after it to concatenate with the first set of characters from the previous line; for example the strings *snow* and *ball* may be concatenated to give *snowball*.

4. **Use of Blank Lines**
   Using blank lines is recommended for making code easier to read.

5. **Use of Number Signs**
   As stated earlier, number signs (#) indicate the start of a comment. Comments can begin anywhere on a line. Everything between the # and the End of Line is ignored.

6. **Use of Quotation Marks**
   String parameters containing white spaces must be placed inside quotation marks (use common-practice nesting rules).

7. **Use of List Separators**
   Use semicolons or commas for list separators.

8. **Use of Equivalent Parameter Values**
   For parameter values of type {0, 1}, the 0 indicates false or no, and the 1 indicates true or yes, as applicable. The format {0, 1} is equivalent to, and can be used instead of, the format {no, yes} for the parameters using these formats in the tables.

9. **{username}.ini Files must be Write-Enabled**
   All {username}.ini files must be write-enabled to allow the thin client to place the encrypted user passwords in the files.

10. **Number of Connection Entries Allowed**
    The combined number of connection entries defined in a {username}.ini file and a wlx.ini cannot exceed a defined total maximum number of connections. The maximum number of connections has a default limit of 216, but can be set from 100 to 1000 using the wlx.ini file.

Placing the INI Files into the Folder Structure on the Server

If you have set up your environment to provide your thin clients running Wyse Enhanced SUSE Linux Enterprise with automatic updates and configurations (as described in *Administrators Guide: Wyse® Enhanced SUSE Linux Enterprise Release 11 SP1*), you can use the following folder structure on your server under the *C:/inetpub/ftproot* folder (for FTP) or *C:/inetpub/wwwroot* folder (for HTTP or HTTPS) and place your INI files and other necessary files inside the structure as noted (this list describes the folder structure, starting with the root directory).

/wyse/	The root directory. It stores the *wlx* folder and the *addons* folder. It also stores the following files, which are used for imaging and updating devices: • *Latest-image.raw* • *Latest-image.raw.info*
/wyse/wlx	The main INI configuration folder. It stores the following: • *wlx.ini* file or *$MAC.ini* file • *bitmap* folder • *certs* folder • *ini* folder
/wyse/wlx/bitmap	The folder where you can place custom images you plan to use.
/wyse/wlx/certs	The folder where you can place the CA certificates that can be imported to a thin client. **Note:** Use the *Certs* and *ImportCerts* INI parameters in the wlx.ini file to import the certificates to thin clients.
/wyse/wlx/ini	The folder where you can place the {username}.ini files.
/wyse/addons	The folder where you can place the add-ons you want to use. It also stores the directory file and the *.rpm packages available to be installed on the thin client. The directory file should list all available add-ons. The directory file is required in the addons folder to guarantee that add-ons are properly located. **NOTE**: If you want to do an update with the *Preserve changes* option enabled, ensure that your addons folder includes a copy of your current add-ons. The system may require two reboots to fully update the firmware and add-ons while preserving local changes.

3 Parameters for WLX INI and $MAC INI Files Only

This chapter provides 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 "Getting Started: Learning INI File Basics."

Caution

Parameters in Tables 1 through Table 1 can only be used in a wlx.ini file or $MAC.ini file; they cannot be used in a {username}.ini file.

To increase usability (such as relation to thin client dialog box equivalents), the supported parameters are separated into the following categories:

- "General Settings (wlx.ini and $MAC.ini Files Only)"
- "Peripheral Settings (wlx.ini and $MAC.ini Files Only)"
- "Connection Settings (wlx.ini and $MAC.ini Files Only)"

General Settings (wlx.ini and $MAC.ini Files Only)

Table 1 contains parameters used for configuring general settings (bold values are defaults).

Table 1 General Settings: wlx.ini files and $MAC.ini files only

Parameter	Description
AudioMute={**no**, yes}	Yes/no option to mute the audio.
AudioVolume= {0 to 100}	Determines the audio volume level. Values of 0 to 100 provide more exact volume level.
BiosCmosImages={<PlatformType>-<BIOS/CMOS>-<BiosVersion>.img}	Used to provide BIOS and CMOS image files that are used for a BIOS upgrade. See also the UpdateBiosCmos parameter. **NOTE:** These BIOS and CMOS image files must be separated by semicolons when more than one image is being updated. Naming Convention of BIOS and CMOS image files: After pulling the BIOS and CMOS image files using the Wyse® USB Firmware Tool™(see *Users Guide: Wyse® USB Firmware Tool™*) to generate bios.img and cmos.img files, you must change these files names according to the following naming conventions as needed. {<PlatformType>-<BIOS/CMOS>-<BiosVersion>.img} Where: *PlatformType* is **R50**, **C50**, or **X50** followed by the Minus sign (**-**) *BIOS/CMOS*, *BIOS*, or *CMOS* is the image followed by the Minus sign (**-**) *BiosVersion* is the latest version of the BIOS (this version is same for CMOS) *.img* is the image file name extension Example: For a C50 device with BIOS version B.0B, the bios.img file should be renamed as **C50-BIOS-B.0B.img** These converted image files should be copied into their respective platform specific folders on the server. The directory structure on server is as follows: ~wyse/wlx/bioscmos/---| |-- C50/ |-- R50/ |---X50/ Example: UpdateBiosCmos=1 BiosCmosImages=R50-BIOS-1.3H_SPC.img; R50-CMOS-1.3H_SPC.img;C50-BIOS-B.0B.img;C50-CMOS-B.0B.img; [Introduced in Wyse Enhanced SLE 11 SP1 build 015]
ChangeAdminPassword={password must be base-64 encoded}	Specifies the new password for the admin user. 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.

Table 1 General Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
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.
DefaultUser=username	Specifies the default sign-on user. See also AutoLogin.
DisableReadyMode={no, **yes**}	Yes/no option to disable ready mode. When a device is shut down and ready mode is enabled, it logs out of the session, places the power button LED in a state of off, and puts the device into Suspend mode. Upon pressing the power button again, the device wakes up immediately for a user to login. The ready mode functionality can be enabled using DisableReadyMode=no. Example: DisableReadyMode=no will enable Readymode functionality. DisableReadyMode=yes will disable ReadyMode functionality. **NOTES:** This functionality requires an updated BIOS (for use with Wyse SLE 11 SP1 build 015 or later - see the *UpdateBiosCmos* and *BiosCmosImages* parameters). Supported platforms are R class, C class, and X50L devices. [Introduced in Wyse Enhanced SLE 11 SP1 build 015]
EnableGKey={**yes**, no}	Yes/no option to enable G key reset. G key reset is supported for Privilege=High.
IdleAction.Enable={**no**, yes} [IdleAction.TimeOut={0 to 1440}] [IdleAction.Action={Any valid Command}]	IdleAction.Enable — Yes/no option to enable IdleAction (allows an action of the device for an idle state). IdleAction.Timeout — Specifies (in minutes from 0 to 1440) the amount of inactive time before the device will execute the command specified in the IdleAction.Action parameter if IdleAction.Enable=yes. Example: IdleAction.Enable=yes IdleAction.TimeOut=30 IdleAction.Action=/sbin/reboot [Introduced in Wyse Enhanced SLE 11 SP1 build 015]
ImportCerts={**no**, yes} [Certs=list of certificate names]	ImportCerts — Yes/no option to import certificates from the server. Certs — is a list of certificate names (the names must be separated by a semicolon). **NOTE:** Certificates must be placed in the *wyse/wlx/certs* directory. **NOTE:** The certificates must be .crt, .pem, or any valid certificate type. Example: ImportCerts=yes Certs=Cert1.cer;Cert2.crt;Cert3.pem;Cert4.der

Table 1 General Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
NewAddons (InstallAddons)=name of addon	Specifies addons to install. Use comma separated add-on names.
PowerButtonAction={**interactive**, reboot, restart, halt, shutdown, sleep, logoutandsleep, none, nothing}	Specifies the action taken when the power button is pressed. interactive — option window presented to user reboot or restart — reboots the device halt or shutdown — shuts down the device sleep — puts the device into sleep mode logoutandsleep — logs out and puts the device into sleep mode none or nothing — no action, do nothing
RemoveAddons=name of addon	Specifies addons to uninstall. Use comma separated add-on names.
RootPath=root path	This root path is used to access files on the server. The directory name */wlx* will be appended to the root path entry before use. **NOTE:** If no root path is provided, */wyse* is the default.

Table 1 General Settings: wlx.ini files and $MAC.ini files only, 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}]	ScreenSaver — Specifies to put the thin client in a screensaver state when the time limit for inactivity in minutes (delay before starting) is reached. **NOTE:** Put the parameters on the same line. For example: ScreenSaver= 5 LockTerminal=yes SoftSaver=yes Type=coral,drift,hypertorus,interaggregate,pipes,skytentacles CycleDelay=5 LockTerminal — Yes/no option to specify the thin client LOCK state function when the screen saver is activated. no — Disabled. yes — Puts the thin client in a LOCK state when the screen saver is activated. The user will be prompted with an unlock dialog box to enter the sign-on password to unlock the thin client. SoftSaver — Yes/no option to specify that the thin client run a soft saver. Soft savers are only available when the optional SCREENSAVER- THEMES addon is installed. no — just blank the screen. yes — run a graphical display. LogoutButton — Yes/no option to display a Logout button in the unlock dialog box if LockTerminal=yes. Type — Specifies which display program(s) should run if SoftSaver =yes. Note: Names are preferred over the legacy numbers. 1=fadeplot; 2=rocks CycleDelay — When more than one Type name is specified, CycleDelay specifies how many minutes each Type name should run. Image — Filename to use for the screen saver (this option is ignored in cases of backwards compatibility). Layout — Layout to use for the screen saver (this option is ignored in cases of backwards compatibility). **NOTE:** For a complete list of screensaver names, install the SCREENSAVER-THEMES addon and then search in /usr/share/applications/screensavers. The filenames, without the '.desktop' suffix, are the available saver names. The 'Name' entry in each .desktop file provides the value that will be displayed in the Screensaver configuration GUI application; and the 'Comment' entry provides a brief description.
TerminalName=name of thin client	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.

Table 1 General Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
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.
TimeZone**={**zone value} [ManualOverride={**no**, yes}]	TimeZone — Specifies the time zone if the zone is unspecified on the thin client or is used with ManualOverride. ManualOverride — Yes/no option to override the thin client System Preference Menu setting with this TimeZone setting. TimeZone settings in the wlx.ini file will be saved into NVRAM if EnableLocal=yes is set in the wlx.ini file. **NOTE:** For the complete list of TimeZone values, see "TimeZone Parameter: Values."
UpdateBiosCmos={**no**, yes}	Yes/no option to update the BIOS CMOS. See also the BiosCmosImages parameter. [Introduced in Wyse Enhanced SLE 11 SP1 build 015]
Update.Mode={Both, Image, Addons, None}	Specifies the update mode for image upgrades. **Value and Description** Both — Updates image and add-ons Image — Updates image only Addons — Updates add-ons only None — Does not upgrade
Update.Preserve_changes**=** {no, yes}	Yes/no option to preserve changes while upgrading.

Peripheral Settings (wlx.ini and $MAC.ini Files Only)

Table 2 contains parameters used for configuring peripheral settings (such as keyboard, monitor, mouse, printer, and so on).

Table 2 Peripheral Settings: wlx.ini files and $MAC.ini files only

Parameter	Description
CursorHideDelay**=**{1-60}	Specifies the amount of time to wait before the cursor is hidden (cursor will be hidden after the specified number of seconds). After pressing any keyboard key or mouse movement/mouse event, the cursor will reappear.
ForwardPrinters={**yes**, no}	Yes/no option to enable the forwarding and use of all available printers to/with the RDP session. Any direct RDP connection is supported (not supported through VMware View broker). For example: ForwardPrinters=yes [Introduced in Wyse Enhanced SLE 11 SP1 build 015]
MicMute**=**{**no**, yes}	Yes/no option to mute the microphone volume.
MicVolume**={**0-100}	Specifies the microphone volume level. Default is **50**.
NoGrabKeyboard={**no**, yes}	Yes/no option to enable the keyboard event grabbing in any direct RDP connection session (not supported through VMware View broker). For example: NoGrabKeyboard=yes [Introduced in Wyse Enhanced SLE 11 SP1 build 015]

Connection Settings (wlx.ini and $MAC.ini Files Only)

Table 3 contains parameters used for configuring connection settings.

Table 3 Connection Settings: wlx.ini files and $MAC.ini files only

Parameter	Description
AddtoEtcHosts**="**ip1 FQDN1 aliases1**;**ip2 FQDN2 aliases2**;..."**	Adds entries to the /hosts file where aliases are an optional space-separated list of host names.
AutoLogin**=**{**no**, yes, or an unsigned integer} [CountDown**=**seconds]	Yes/no option to automatically log the user in as DefaultUser if no login occurs before the CountDown interval. This is for use at kiosks and other environments where the user logs in without human intervention. If it is an unsigned integer, it specifies the delay before logging in as DefaultUser. Autologin can be canceled by pressing the ESC button. The first time a device reads Autologin, it may stay at the login screen for a few seconds before taking effect. Once doing so, it will automatically log in and all future reboots will autologin with the defined delay. Changing from AutoLogin=yes to AutoLogin=no may require 2 reboots to take effect in some cases. No password is required for automatic login even if the user normally needs a password. **NOTE:** SignOn=no and AutoLogin=yes are alternative parameters/ways to provide similar functionality. **CAUTION**: SignOn=no and AutoLogin=yes should *not* be used together. In general, use AutoLogin; SignOn=no is being deprecated. AutoLogin=yes logs in as the default user; which may be set via the DefaultUser ini-file parameter; the privilege level is that user's normal privilege level; determined in the same manner as if they had logged in manually. **ADVANCED NOTE:** *Any* valid user may be specified; but note that PNA and Active Domain users will not obtain a password first; which may prevent them from accessing the Published Apps or Domain services. If there is no DefaultUser specified in the registry, it will use *Guest*. If the value of AutoLogin is an integer, it specifies the delay before logging in. During that delay period, it is possible to interrupt the process and be prompted for a manual login (unless the delay is 0). If no delay is specified, a default value will be used (currently 8 seconds but subject to change). Note that for both SignOn=no and AutoLogin with a short delay, it is quite likely that the login process will proceed *before* the network is up and the wlx.ini file has been read. This means that changes to the wlx.ini login parameters will not take effect until a logout or reboot. Note also that changes to the System/DefaultUser or System/PrivLevel registry keys do *not* automatically adjust the login parameters; that is normally done only after fetching and parsing a wlx.ini file when a network interface comes up. If you need to change the parameters outside that sequence; use the /sbin/configureGDM script to modify the system's login configuration.

Table 3 Connection Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
(continued)	The wlx.ini will be fetched and processed *every time* the network comes up; so if the network goes down and is restored during a session, it may affect existing settings (although the login-related settings will not be apparent until the current user logs out). Also note that neither mechanism actually authenticates the user—they just verify that the user exists. But both methods, and normal manual login, will fetch and process a $USER.ini file, if one exists, independent of what, if any, authentication mechanism was used.
AutoSignoff**=**{**no**, yes}	Yes/no option to automatically log the user off when all connections are closed.
DisableDomain**=**{no, yes}	Yes/no option 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**, yes}	Yes/no option to disable an installed VNC-Server Add-on.
DomainList**=**list of Windows domain names	A list of domain names that will appear in the login dialog box as options to help users in selecting the domain to log in to PNAgent/PNLite servers. Once specified, it is saved in non-volatile memory. **NOTE**: Be sure to enclose in quotation marks if spaces are included. For example: DomainList=”North_America, SQA, test-domain” Names must be separated by semicolons.
EnableApplianceMode={**no**, yes} [XenDesktopURL={URL of Xendesktop}]	Wyse Enhanced SLE 11 SP1 devices can be converted to Desktop Appliance mode by enabling the EnableApplianceMode parameter. When enabled, upon system boot the thin client will connect to the XenDesktop server and prompt for XenDesktop login credentials to access the desktop. By default EnableApplianceMode=No. XenDesktopURL specifies the virtual desktop to use when EnableApplianceMode is enabled. For example:- EnableApplianceMode=Yes XenDesktopURL=http://192.168.0.2 [Introduced in Wyse Enhanced SLE 11 SP1 build 015]
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.
EnableLocal**=**{**yes**, no}	Yes/no option to enable locally configured connection entries to show in the connection list (that is, activate local entries).

Table 3 Connection Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
EthernetSpeed={**Auto**, 100M-F, 100M-H, 10M-F, 10M-H}	Specifies the NIC speed. Auto - auto-negotiates speed with peer (default). 100M-F is 100 Mbps Full Duplex. 100M-H is 100 Mbps Half Duplex. 10M-F is 10 Mbps Full Duplex. 10M-H is 10 Mbps Half Duplex. **NOTE:** Gigabit ethernet (1000Mbps) is available on hardware that supports it via the Auto value.
FileServer=[protocol://]host	*host* is used to 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.)
PermitSSHRootLogin**=**{**no**, yes}	Yes/no option to enable logging in through SSH as the Linux superuser (root).
PNLiteServer=host[:port]	A list of *hosts* with optional *port* numbers. If not specified, *port* depends on the browsing protocol. Default=Empty.
RapportSecurePort=*port*	Designates the HTTP(S) secure port used for the WDM agent. Default port number is 443. For example: RapportServer=192.168.0.2:80 RapportSecurePort=443
RapportServer=host[:port]	The WDM Server and optional port to which to connect. This can be either a DNS name or an IP Address, optionally followed by a ":" and a port number. The default port number is 80.
Seamless**=**{**no**, yes}	Yes/no option to set the default resolution for ICA-published applications to seamless.
SignOn**=**{**yes**, no} **DO NOT USE**	**DO NOT USE.** This parameter is deprecated and the use of **AutoLogin** is recommended.

Table 3 Connection Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
TCXUSBDevice=<any description of your device> [active={**allow**/deny}] [class=<hexadecimal-number class value of your device>] [subclass=<hexadecimal-number subclass value of your device>] [protocol=<hexadecimal-number protocol value of your device>] [vendorid=<hexadecimal-number vendorid value of your device>] [productid=<hexadecimal-number productid value of your device>]	String in the following format: TCXUSBDevice=<any description of your device> \ active={allow/deny} \ class=<value> \ subclass=<value> \ protocol=<value> \ vendorid=<value> \ productid=<value> \ **NOTE**: Active=allow means allow USB access to be redirected to the remote location. Active=deny means keep the USB access local. Either class or vendorid/productid is required. For example, tcxusbdevice=BisonCam \ active=deny \ vendorid=5986 \ productid=0241 \ tcxusbdevice=Bluetooth \ active=deny \ class=0e \ subclass=01 \ protocol=01 \ vendorid=13d3 \ productid=3249 \ tcxusbdevice=Smart Card Devices \ active=deny \ class=0B
TCXUSBVirtualize={**no**, yes}	Yes/no option to enable TCX USB virtualization.
TCXUSBVirtualize.ActiveSync.disable={**no**, yes}	Yes/no option to disable TCX USB Active Sync device virtualization.
TCXUSBVirtualize.Audio.disable={**no**, yes}	Yes/no option to disable TCX USB Audio device virtualization.
TCXUSBVirtualize.Communication.disable={**no**, yes}	Yes/no option to disable TCX USB Communication device virtualization.
TCXUSBVirtualize.Composite.disable={**no**, yes}	Yes/no option to disable TCX USB Composite devices virtualization.
TCXUSBVirtualize.DataInterface.disable={**no**, yes}	Yes/no option to disable TCX USB Data Interface device virtualization.
TCXUSBVirtualize.HID.disable={**no**, yes}	Yes/no option to disable TCX USB HID device virtualization.
TCXUSBVirtualize.PalmSync.disable={**no**, yes}	Yes/no option to disable TCX USB Palm Sync device virtualization.
TCXUSBVirtualize.Printers.disable={**no**, yes}	Yes/no option to disable TCX USB Printers virtualization.
TCXUSBVirtualize.Smartcard.disable={**no**, yes}	Yes/no option to disable TCX USB Smart card device virtualization.
TCXUSBVirtualize.StillImaging.disable={**no**, yes}	Yes/no option to disable TCX USB Still Imaging device virtualization.

Table 3 Connection Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
TCXUSBVirtualize.Storage.disable={ **no**, yes}	Yes/no option to disable TCX USB Mass Storage device virtualization.
TCXUSBVirtualize.VendorSpecific.disable={**no**, yes}	Yes/no option to disable TCX USB Vendor Specific device virtualization.
TCXUSBVirtualize.Video.disable={**no**, yes}	Yes/no option to disable TCX USB Video device virtualization.
VNCAuthTypes=string {none, vnc}	Specifies whether to enable the *Require the user to enter this password* check box in the Remote Desktop Preferences (VNC) applet.
VNCPasswd=string {password must be base-64 encoded}	If the VNC-Server Add-on is installed, the password to be entered for the remote VNC connection. If no VNCPasswd is specified, the default password is *password*. You can use any third party base-64 encoder/decoder.
VNCPrompt**=**{**yes**, no}	Yes/no option to enable a VNC shadowing prompt to a user (VNCPrompt set to yes means the user will always be prompted before shadowing starts and the user will then decline or accept VNC shadowing; VNCPrompt set to no means the user will not be able to decline or accept shadowing).

Table 3 Connection Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
WLAN={wlan connection name} [SSID={SSID Name}] [Security={NONE, WEP40/128-BITKEY, WEP128-BITPASSPHRASE, LEAP, WPA&WPA2PERSONAL, WPA&WPA2ENTERPRISE, DYNAMICWEP}] [Mode={**Infrastructure**, AdHoc}] [Username={username}] [Password={password}] [AuthType={**OpenSystem**, SharedKey, TLS, LEAP, TTLS, PEAP}] [Wep-Key1={wep key1}] [Wep-Key2={wep key2}] [Wep-Key3={wep key3}] [Wep-Key4={wep-key4}] [WepKeyIndex={Key Index number}]	Wireless LAN can be configured through this INI parameter and the options. [Introduced in Wyse Enhanced SLE 11 SP1 build 015] **Securiity Notes**: Supported wireless security types: Open WEP 40/128 bit key WEP 128-bit Passphrase LEAP WPA & WPA2 Personal LEAP in WPA & WPA2 Enterprise The following security types are not supported: All WPA & WPA2 Enterprise authentications except a LEAP which does not require a certificate Dynamic WEP (802.1x) Security options descriptions are as follows: NONE — OPEN Security type WEP40/128-BITKEY — WEP 40/128-bit Key WEP128-BITPASSPHRASE — WEP 128-bit Passphrase LEAP — leap WPA&WPA2PERSONAL — WPA and WPA2 personal WPA&WPA2ENTERPRISE — WPA and WPA2 Enterprise DYNAMICWEP — Dynamic WEP (802.1x) **AuthType Notes**: AuthType should be *OpenSystem* or *SharedKey* when Security is WEP40/128-BITKEY or WEP128-BITPASSPHRASE; for other enterprise securities, AuthType should be 'TLS/LEAP/TTLS/PEAP' For WPA & WPA2 Enterprise security, only the LEAP authentication type is supported. **WEP-KEY Notes**: WEP-KEY1 through WEP-KEY4 are optional. WEPKEYINDEX={Key index Number} is optional. If not specified, by default it is set to the key corresponding to WEP-KEY1.

Table 3 Connection Settings: wlx.ini files and $MAC.ini files only, Continued

Parameter	Description
(continued)	Examples: **Security type OPEN example**: WLAN=wlan1 SSID=XYZ Security=none \ Mode=Infrastructure **Security type WEP 40/128-bit key example**: WLAN=wlan2 SSID=XYZ \ Security=wep40/128-bitkey \ Mode=Infrastructure Wep-Key1=1234567890 \ WepKeyIndex=1 AuthType=OpenSystem **Security type WEP 128-bit Passphrase example**: WLAN=wlan3 SSID=ABCD \ Security=wep128-bitpassphrase \ Mode=Infrastructure Wep-key1=1111111111 \ Wep-Key2=2222222222 WepKeyIndex=2 \ Authtype=OpenSystem **Security type WPA & WPA2 Personal example**: WLAN=wlan4 SSID=WPA2 \ Security=wpa&wpa2personal \ Mode=Infrastructure Password=12345678 **Security type LEAP example**: WLAN=wlan5 SSID=Wyse Security=leap \ Mode=Infrastructure Username=admin \ Password=1234567890 **AuthType LEAP example**: WLAN=wlan6 SSID=ACS \ Security=wpa&wpa2enterprise \ Mode=Infrastructure AuthType=leap \ Username=linux Password=linux
WlanAutoRoaming={**no**, yes} [RoamThreshold={-128 to +128}]	Yes/no option to enable the WLAN Auto Roaming feature and set the Roaming Threshold value for WLAN. **NOTE:** Both WlanAutoRoaming and RoamThreshold must be in the same line. Supported platforms include R class and X50L devices. For example: WlanAutoRoaming=Yes RoamThreshold=-50 [Introduced in Wyse Enhanced SLE 11 SP1 build 015]
XFontServers=*host*:*port*[;*host*:*port*...]	Specifies the font server for X11 applications. **NOTE:** When the font server address is set by the GUI, the GUI has priority, and the parameters from the .ini file are ignored.

4 Parameters for WLX INI, $MAC INI, and {username} INI Files

This chapter provides the supported parameters that you can use in a wlx.ini file, a $MAC.ini file, and in a {username}.ini file.

Tip

For information to help you construct and use the supported INI files, see "Getting Started: Learning INI File Basics."

To increase usability (such as relation to thin client dialog box equivalents), the supported parameters are separated into the following categories:

- "General Settings (wlx.ini, $MAC.ini, and {username}.ini Files)"
- "Peripheral Settings (wlx.ini, $MAC.ini, and {username}.ini Files)"
- "Connection Settings (wlx.ini, $MAC.ini, and {username}.ini Files)"

General Settings (wlx.ini, $MAC.ini, and {username}.ini Files)

Table 4 contains parameters used for configuring general settings.

Table 4 General Settings: wlx.ini files, $MAC.ini files, and {username}.ini files

Parameter	Description
BootOrder={<values listed in description as per platform>}	BootOrder — Sets the boot order for the BIOS. NOTE: If the first boot order is not H, the system restart will boot from the BIOS setting. Non-Z class clients default is: Bootorder=H;P;U Z class clients default is: Bootorder=H;S;U;F;C;P Where values are as follows: C is USB CD-ROM F is USB FDC H is SATA 0 P is PXE LAN S is SATA 1 U is USB HDD (Note that under U if multiple USB keys are connected, the first detected USB key will be attempted; if this fails to boot, the boot will fall back to the second detected USB key, and so on in order of detection) IMPORTANT: The boot order must follow these rules: 1. The boot order is a list of these values separated by a semi-colon (;) or a comma (,). 2. Every value for a platform must be used. 3. The values must be different. Non Z class client example: The following example settings are valid for Non-Z class clients: BootOrder=H;P;U BootOrder=P;U;H BootOrder=U;H;P However, the following example settings are invalid for Non-Z class clients: BootOrder=H;P BootOrder=P;H;P BootOrder=H;P;U;P
DesktopTaskBar={**bottom**, top, left, right} [AutoHide={**no**, yes}] [AlwaysOnTop={**no**, yes}]	DesktopTaskBar — Specifies the position of the taskbar. For example: DesktopTaskBar=left AutoHide **—** Yes/no option to hide the taskbar until the mouse cursor is where your taskbar would be normally. AlwaysOnTop **—** Yes/no option to always display the taskbar on top of all other windows.
Include**=**path/filename	Includes another .ini file at the position of this command. **NOTE:** Only one level of include is allowed (nesting is not allowed).

Table 4 General Settings: wlx.ini files, $MAC.ini files, and {username}.ini files ,

Parameter	Description
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=lF2Sqd7qEqBg. PasswordEncryptionCode **—** Yes/no option to use Base64 encoded password. If no, a plain text password is used. Example: All passwords in INI file must be base64 encoded (for connections, printers, wireless, users, and so on): 1 - Login in to the thin client. 2 - Open xterm. 3 - Type regencode followed by password in plain text. For example: admin@LWT:~>regencode password cGFzc3dvcmQ= 4 - Encoded output for password=cGFzc3dvcmQ=

Table 4 General Settings: wlx.ini files, $MAC.ini files, and {username}.ini files ,

Parameter	Description
Privilege=**{High**, None, Low} [LockDown=**{no**, yes}]	Privilege controls operator privileges and access to thin client resources. **Value and Operator Privileges** High — (default) For administrators. All thin client resources are available with no restrictions. A high-level user can reset the device to factory defaults. Low — For a typical user. Access is granted to the *Connection Manager* and desktop panel, but not the *More Applications* button or *Control Center*. Users can an view connections, but not add or modify them. None — For a kiosk or other restricted-use deployment. Users have access only to icons put on the desktop by the administrator, not the *Connection Manager*, desktop panel, *More Applications* button, or *Control Center*. **NOTE:** If optional LockDown=Yes the system saves the privilege level in the flash device. If LockDown=No, the system clears the privilege level from the flash device to the default unlocked state. LockDown — Yes/no option to lock the default privilege for the thin client. If LockDown=Yes, the privilege is saved in permanent registry; if LockDown=No, the privilege level is set to the default high in the permanent registry. The default high privilege level is stored in the permanent registry; if you do not specify a privilege in either the wlx.ini or {username}.ini files or the network is unavailable, the setting of the Lockdown parameter takes effect. It can be modified by a clause. For example, privilege=<None|Low|High> lockdown=yes in the wlx.ini or {username}.ini sets up the default privilege to the specified level. And a clause such as privilege=<None|Low|High> Lockdown=No sets up the default privilege back to high regardless of the specified level, and current effective privilege level specified.

Peripheral Settings (wlx.ini, $MAC.ini, and {username}.ini Files)

Table 5 contains parameters used for configuring peripheral settings (such as keyboard, monitor, mouse, printer, and so on).

Table 5 Peripheral Settings: wlx.ini files, $MAC.ini files, and {username}.ini files

Parameter	Description
DeskColor=<color> [{solid | horizontal-gradient | vertical-gradient}<color>]	Specifies the desktop background color where <color> can be one of the following values: rrggbb — An RGB color specification in the form commonly used in HTML. <color name> — A color name from the /usr/share/X11/rgb.txt file. Note that these names are case sensitive. 0-255 0-255 0-255 — Three integers in the rage of 0 to 255 representing the amount of red, green, and blue, respectively. **CAUTION**: this form is deprecated. it is available for backwards compatibility only. For example: Deskcolor = DarkGoldenrod horizontal-gradient LightGoldenrod The first <color> is the primary color, and the one which will be used if no shading is specified or if the shading is solid. 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.
Desktop**=**image file [Layout={**Center**, Tile, Stretch, Scale, None}] [Opacity={0-**100**}]	Desktop — Specifies an image file to be used as wallpaper for the local desktop. The file must be located in the server wlx/bitmap directory. The image file may be any type supported by SUSE/GNOME for use as wallpaper (PNG, JPG, GIF, etc.) The filename is case sensitive. Default is no wallpaper. 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. Opacity — Specifies the amount of transparency. Defaults is 100. When less than 100, the image will be blended with the color(s) specified by the DeskColor option as though the image is not entirely opaque. A value of 0 indicates total transparency, and the image will not be displayed at all. For example: Desktop=wyselogo.gif Layout=Tile Opacity=25
DesktopColorDepth={8, 16, **24**}	Specifies the number of colors of the desktop in bits. 8 is 256 colors; 16 is High Color; and 24 is True Color.

Table 5 Peripheral Settings: wlx.ini files, $MAC.ini files, and {username}.ini files ,

Parameter	Description
DisplaySettings=MON1 <resolution> [; MON2 <resolution> <position>]	Defines the display settings for single and multi-monitor display - clone and span mode. Possible values for: *resolution*= {{x}X{y}, DDC} *position*= {mirror, on-left, on-right, on-above, on-below} **NOTE:** Meaning of different position values: mirror — Clone mode on-left — Span on left side on-right — Span on right side on-above — Span on top on-below — Span on bottom Examples: DisplaySettings=MON1 rotate-normal 1024x768@75 MON2 rotate-normal 1024x768@75 on-below DisplaySettings=MON1 rotate-normal 1280x1024 DisplaySettings=MON1 1280x1024 DisplaySettings=MON1 1280x768 DisplaySettings=MON1 960x540 DisplaySettings=MON1 1024x768 rotate-right DisplaySettings=MON1 1024x768 rotate-normal MON2 1024x768 rotate-right on-right DisplaySettings=MON1 1024x768 rotate-normal MON2 1024x768 rotate-right on-left DisplaySettings=MON1 1024x768 rotate-normal MON2 1024x768 rotate-left on-left DisplaySettings=MON1 1024x768 rotate-normal MON2 1024x768 rotate-normal on-left DisplaySettings=MON1 800x600@60 rotate-normal MON2 800x600 rotate-left on-left DisplaySettings=MON1 800x600@75 rotate-normal DisplaySettings=MON1 800x600@75 rotate-normal MON2 800x600@75 rotate-normal on-above DisplaySettings=MON1 1280x1024 rotate-normal MON2 1280x1024 rotate-normal mirror DisplaySettings=MON1 1280x1024 rotate-normal MON2 1280x1024 rotate-normal on-right DisplaySettings=MON1 720x400 rotate-right
EnableNumLock={**no**, yes}	Yes/no option to enable the default state of the numeric pad. If set to yes, the numeric pad is activated, if set to no (default), the numeric pad becomes the cursor control pad.
JetDirectPrinter={options}	The JetDirectPrinter command line defines a printer served by an HP JetDirect print server. For parameter options used in the command line, see "JetDirectPrinter" in "Printer Parameters: Options."
Keyboard.layouts={Keyboard.layouts value}	Keyboard.layout parameter replaces prior *Keyboard=value* parameter. For a list of supported keyboard layout values, see Appendix D, "Keyboard.layouts Parameter: Values." Example: Keyboard.layouts=us (for United States) Keyboard.layouts=ru (for Russia) [Introduced in Wyse Enhanced SLE 11 SP1 build 015]

Table 5 Peripheral Settings: wlx.ini files, $MAC.ini files, and {username}.ini files ,

Parameter	Description
MouseLocate=**{no**, yes}	Yes/no option 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}	**For ICA only.** MouseSendsControlV allows the administrator to control the mouse button action in a Unix environment. Values are: Yes — In a Unix environment, a middle mouse performs the same Paste function as the Ctrl+V keystroke combination in Windows. No — (default) Disables “enable middle button paste” when used in the wlx.ini file with ICA v.10.
MouseSpeed=**{**0-100}	Specifies the speed when moving the mouse. **NOTE**: When the value includes a decimal point, it is taken as a direct multiplier of mouse motion. The following values may be used for backward compatibility. **Value and Mouse Speed** 0 — Slow (0.2) 1 — Medium (default) (2.0) 2 — Fast (6.0)
MouseSwap=**{no**, yes}	Yes/no option to swap the button order on the mouse.
NetworkPrinter={options}	The NetworkPrinter command line defines a printer that uses traditional Unix Line Printer Daemon protocols. For parameter options used in the command line, see "NetworkPrinter" in "Printer Parameters: Options."
Printer={options}	The Printer command line defines a locally attached printer connected through the noted interface. For parameter options used in the command line, see "Printer" in "Printer Parameters: Options."
PrinterURI={options}	The PrinterURI command line 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 used in the command line, see "PrinterURI" in "Printer Parameters: Options."
RepeatDelay=value	Expresses, in milliseconds (N — N milliseconds [100<=N<=10000]), the delay before a repeat key press key is recognized. Enter a value greater than 100. The default value is 660 milliseconds. For backwards compatibility, the following values can be used: 0 — 1/4 second 1 — 1/4 second **2 — 1/2 second (default)** 3 — 1/2 second 4 — 3/4 second 5 — 3/4 second 6 — 1 second 7 — 1 second

Table 5 Peripheral Settings: wlx.ini files, $MAC.ini files, and {username}.ini files ,

Parameter	Description
RepeatRate**=**value	Specifies the number of allowable repeat key presses per second. Enter a value between 3 and 255 or a designated rate, as follows: **Value and Keyboard Repeat Rate** 0 — Slow (GUI value is 10) 1 — Medium (default) - (no GUI value) 2 — Fast - (GUI value is 110)
SMBPrinter={options}	The SMBPrinter command line defines a network printer shared through the Windows Sever Message Block protocols. For parameter options used in the command line, see "SMBPrinter" in "Printer Parameters: Options."
TransparentKeyPassThrough**=**{Local/ Remote/**FullScreenOnly**}	Enables keyboard shortcut sequences defined by the local Windows manager in the session. Default is FullScreenOnly. FullScreenOnly — key event will be processed locally except in Fullscreen mode. Local — key event will be processed locally in order to use ICA hot keys. Remote — key event will be forward to the server so that ICA hot keys will not work.

Connection Settings (wlx.ini, $MAC.ini, and {username}.ini Files)

Table 6 contains parameters used for configuring connection settings.

Table 6 Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files

Parameter	Description
Alternate=**{no**, yes}	**For ICA only.** Yes/no option to use an alternate IP address returned from an ICA master browser to get through firewalls.
Browser.Homepage=URL	If the browser add-on is installed, this is the URL to 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, Custom, ICA, RDP, SSH, Ericom_PowerTerm, Ericom_WebConnect, VMWARE_VIEWCLIENT, VNC_VIEWER, XDMCP}	Connection protocol. Appendix A describes these connect options: • BROWSER, see "Mozilla Firefox Connect Options" • Custom, see "Custom Connect Options" • Ericom_PowerTerm, see "Ericom PowerTerm® TEC Connect Options" • Ericom_WebConnect, see "Ericom PowerTerm® WebConnect Connect Options" **NOTE:** Do not enter the registered trademark symbol (®) for Ericom_PowerTerm® when entering this value. • ICA, see "ICA Connect Options" • RDP, see "RDP Connect Options" • SSH, see "SSH Connect Options" • VMWARE_VIEWCLIENT, see "VMware View Client Connect Options" • VNC_VIEWER, see "VNC Viewer Connect Options" • XDMCP, see "XDMCP Connect Options" **NOTE:** Which connection types are available depends on which add-ons were installed.
Drives=drive letter={floppy, cdrom, disk}, {rw, ro} [, basedir] drive letter=...	Maps drives on the server to USB mass storage devices 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=an optional directory on the USB device to use **NOTE:** Be sure each drive command is separated by a space.
Enablevda={**no**, yes}	Yes/no option to enable Wyse VDA. See also *VDAport*.
HomePage=URL	If the browser add-on is installed, this is the URL to the home page for the browser.

Table 6 Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files,

Parameter	Description
ICABrowsing={udp, **http**, https}	**For ICA only.** 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=...	**For ICA only.** 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. **NOTE:** Be sure each serial device command is separated by a comma and space.
IcaDesktopApplianceMode={**yes**, no}	**For ICA only.** Yes/no option to enable Citrix HDX USB start up (for Desktop Appliance Mode) for any USB devices that are already plugged in (the 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.
ICADrives=drive letter={floppy, cdrom, disk}, {rw, ro}, basedir [drive letter=...]	**For ICA only.** To map drives on the server to USB mass storage devices 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=an optional directory on the USB device to use **NOTE:** Be sure each drive command is separated by a space.
IcaEnhancedAudio={**no**, yes}	**For ICA only.** Enables/Disables Citrix enhanced audio. yes/true — enables Citrix enhanced audio no/false — disables Citrix enhanced audio Default is no.
ICAhotkey={**yes**, no} [hotkey value]	**For ICA only.** Yes/no option to enable and allow mapping of the hotkeys. For example: **ICAhotkey=**yes **Hotkey1Char=**F1 **Hotkey1Shift=**Shift **Hotkey2Char=**F3 **Hotkey2Shift**=Shift **Hotkey3Char=**F2 **Hotkey3Shift**=Shift **Hotkey4Char=**F1 ..... **Hotkey11Char**=plus **Hotkey11Shift=**Ctrl **NOTE:** All hotkey options must be on one line.

Table 6 Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files,

Parameter	Description
IcaMMAudio={**yes**, no}	**For ICA only.** Yes/no option to enable Citrix HDX MultiMedia audio (see also ICADesktopApplianceMode and ICAMMVideo parameters). This parameter requires two thin client reboots. For example: To Redirect Audio to a USB audio device, set the following parameters as follows: ICADesktopApplianceMode=yes ICAMMVideo=yes ICAMMAudio=no To Redirect Audio to an Analog audio device, set the following parameters as follows: ICADesktopApplianceMode=yes ICAMMVideo=yes ICAMMAudio=yes
IcaMMVideo={**yes**, no}	**For ICA only.** Yes/no option to enable Citrix HDX MultiMedia video (see also ICADesktopApplianceMode and IcaMMAudio parameters). This parameter requires two thin client reboots. For example: To Redirect Audio to a USB audio device, set the following parameters as follows: ICADesktopApplianceMode=yes ICAMMVideo=yes ICAMMAudio=no To Redirect Audio to an Analog audio device, set the following parameters as follows: ICADesktopApplianceMode=yes ICAMMVideo=yes ICAMMAudio=yes
ICAMultiMedia={**no**, yes}	**For ICA only.** Yes/no option to enable Citrix multimedia redirection. yes — enables Citrix multimedia redirection no — disables multimedia redirection Default is no.
ICAProxyHost **=**proxy server IP address	**For ICA only.** Specifies the firewall server address for the ICA connection. When configuring an alternate address for firewalls and HTTPS or SOCKS is used for ICAProxyType, you must provide the proxy server IP address and port. Each entry with optional port is specified as host:port, where :port is optional; if not specified, port depends on the browsing protocol.
ICAProxyType =[None, HTTP, SOCKS]	**For ICA only.** Defines the proxy type for the ICA connection. When configuring an alternate address for firewalls, you can select the proxy type of None, HTTP, or SOCKS.

Table 6 Connection Settings: wlx.ini files, $MAC.ini files, and {username}.ini files,

Parameter	Description
NFuseServer=host[:port][;host [:port]] OR PNAgentServer=host[:port][;host [:port]] OR PNLiteServer=host[:port][;host [:port]]	Specifies a list of PN-Agent servers. If not specified, port depends on the browsing protocol. Default=Empty.
NLA={**no**, yes}	(**RDP Only**) Yes/no option to enable Network Level Authentication for RDP sessions.
PNAgentServer	*See* NFuseServer.
PNLiteServer	*See* NFuseServer.
RdpClipBoard**=**{**yes**, no}	**For RDP only.** Yes/no option to enable the clipboard in an RDP session. Default is yes.
RdpDriveMap**=**{**yes**, no}	**For RDP only.** Yes/no option to enable drive mapping in an RDP session. Default is yes.
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}]	Serial — Specifies the local serial ports configuration. 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. **NOTE:** Options must be specified in the order shown.
StopWatchMin**=**integer value	Specify 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.
VDAport=integer value	Specifies the port of the VDA client. Default is 3471. See also *Enablevda*.

A Connect Parameter: Options

This appendix provides the options that you can use for the *Connect* parameter in the following supported connections:

- "Custom Connect Options"
- "Ericom PowerTerm® TEC Connect Options"
- "Ericom PowerTerm® WebConnect Connect Options"
- "ICA Connect Options"
- "Mozilla Firefox Connect Options"
- "RDP Connect Options"
- "SSH Connect Options"
- "VMware View Client Connect Options"
- "VNC Viewer Connect Options"
- "XDMCP Connect Options"

Tip

You can use the *Connect* parameter in wlx.ini, $MAC.ini, and {username}.ini files.

Tip

Options marked with an asterisk (*) in these tables are mandatory.

Custom Connect Options

Table 13 contains the supported options you can use for Custom connections.

Example:

**CONNECT=Custom **
**Description="Custom_Connection" **
**AutoConnect=Yes **
**Reconnect=Yes **
**ReconnectSeconds=100 **
**Command=/usr/bin/xterm\ **

Table 7 Custom Connect Options

Option	Description
AutoConnect**=**{**no**, yes}	Yes/no option to start a connection automatically at sign-on.
***** Command**=**<command or application to be executed from the client>	Specifies a command or application to be executed from the client. For example: Command=/usr/bin/xterm>
***** Description**=**string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \ **NOTE:** This option is mandatory.
Reconnect**=**{**no**, yes}	Yes/no option to automatically reconnect to an application server after a disconnection.
ReconnectSeconds={seconds}	Specifies the amount of time in seconds (default is **30**) to wait before automatic reconnection to an application server after a disconnection. Requires Reconnect=yes or 1.

Ericom PowerTerm® TEC Connect Options

Table 8 contains the supported options you can use for Ericom PowerTerm® TEC connections.

Example:

```
CONNECT=Ericom_Powerterm \
Description="Ericom_Test" \
Host=192.168.0.2 \
AutoConnect=Yes \
Reconnect=Yes \
ReconnectSeconds=100 \
Filename=sec \
Filepath=Wyse/WLX \
Ping=yes \
Terminal=WY50 \
TermName=Wyse50 \
Resolution=800x600 \
Fullscreen=No \
DeviceID=Wyse50 \
Echo=No \
UIConfig=menu \
LocalCopy=yes
```

Table 8 Ericom PowerTerm® TEC Connect Options

Option	Description
AutoConnect=**{no**, yes}	Yes/no option to start a connection automatically at sign-on.
Description=string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in double quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \
DeviceID=string	Specifies the terminal identification string that is sent as a response when a request for identification is requested to terminal.
echo=**{no**, yes}	Yes/no option to set the local echo option on the serial port. For serial connection only.
FileName=name	Lists the name the configuration files you want to use.
FilePath=file location	Specifies where the configuration files are on the server.
FullScreen=**{no**, yes}	Yes/no option to run the session at full screen (not in a window).

Table 8 Ericom PowerTerm® TEC Connect Options, Continued

Option	Description
* Host=host[;host...]	Specifies the host. The thin client attempts to connect to the next server on the list if the current one fails. List items must be separated by semicolons or commas. **NOTE:** This option is mandatory.
Icon**=**image file	Specifies an icon to appear on the thin client desktop for this connection. The file must be located in the server `wlx/bitmap` directory. If not specified, the default icon is displayed (except in the case of a published application). A PNG, JPEG, or GIF may be used. XPM is permitted for backward compatibility.
LocalCopy**=**{**no**, yes}	Yes/no option to save to the permanent registry (or saves the Ericom — PowerTerm® TEC settings locally after reboot).
phone**=**phone number	Specifies the modem dial-up number. For serial connection only.
ping**=**{**yes**, no}	Yes/no option to enable ping. For non-published application connections, a ping (ICMP) is sent to the host server prior to connecting to verify that the host is reachable.
port={**COM1**, COM2}	Designates the connection serial port. For serial connection only.
Reconnect**=**{**no**, yes}	Yes/no option to automatically reconnect to an application server after a disconnection.
ReconnectSeconds={seconds}	Specifies the amount of time in seconds (default is **30**) to wait before automatic reconnection to an application server after a disconnection. Requires Reconnect=yes or 1.
Resolution={**default**, 640x480, 800x600, 1024x768, 1280x1024, 1600x1200, <width>x<height>}	Specifies the connection display resolution. The *default* value starts the connection using the current desktop display setting with no window frame or border. Arbitrary width x height values are accepted.
{TerminalType, TerminalID,Terminal}=emulation type	Specifies the terminal emulation type.
termname**=**terminal ID string	Specifies the terminal identification string that is sent as a response when a request for identification is requested to terminal.
uiconfig={menu, toolbar, status, buttons}	Opens the window with the menu, toolbar, status bar, or buttons.

Ericom PowerTerm® WebConnect Connect Options

Table 9 contains the supported options you can use for Ericom PowerTerm® WebConnect connections.

Example:

**CONNECT=Ericom_WebConnect **
**Description="Test_Ericom_WebConnect" **
**Host=192.168.0.2 **
**Username=$MAC **
**Password=Password **
LocalCopy=No

Table 9 Ericom PowerTerm® WebConnect Connect Options

Option	Description
Description=string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in double quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \
***** Host=*host*[;*host*...]	Specifies the host. The thin client attempts to connect to the next server on the list if the current one fails. List items must be separated by semicolons or commas. **NOTE:** This option is mandatory.
Password={password must be base-64 encoded, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the password to log in to the application server. Either a conventional log-in password or a variable can be used. **Variable and Description** `password` — Conventional log-in password `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name **CAUTION:** The application server password is not encrypted; not specifying it is strongly recommended. The user will be prompted to enter the password when the connection is made. This application server password directive never starts a line, so it can be distinguished from the thin client user sign-on password (which starts a line).
Username={username, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the name to log in to the application server. Either a conventional log-in name or a variable can be used. **Variable and Description** `username` — Conventional log-in name `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name

ICA Connect Options

Table 10 contains the supported options you can use for ICA connections.

Example:

```
CONNECT=ICA \
BrowserIP=10.150.123.30 \
Application="Desktop" \
Description="ICA_Desktop " \
AutoConnect=Yes \
Reconnect=Yes \
Encryption=128 \
Colors=16m \
Fullscreen=No \
Resolution=800x600 \
Username=$UN \
Password=$PW \
Domainname=$DN \
Alternate=Yes \
LowBand=Yes \
LocalCopy=no
```

Table 10 ICA Connect Options

Option	Description
***** Applicaton**=**published application	Specifies the published application to launch. **NOTE:** Mandatory if no `host` option is specified.
AutoConnect**=**{**no**, yes}	Yes/no option to start a connection automatically at sign-on.
BrowserIP**=**list of browsers	Lists IP addresses or DNS registered names to specify ICA browsers. Items on the list must be separated by semicolons or commas.
Colors={256, **64k**, 16m}	Specifies the session color mode. For faster display performance, use 256 colors. Default = `64k`.
Command**=**start command	Lists a string of commands to be executed after logging on to the server. The maximum is 127 characters.
Description**=**string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in double quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \
Directory**=**working directory	Specifies a directory to be used as the working directory after logging on to the server. The maximum is 63 characters.
DomainName**=**{Windows domain name, $DN}	Specifies the domain name in a Windows network. $DN specifies that the thin client sign-on domain name is used.

Table 10 ICA Connect Options, Continued

Option	Description
Encryption={**Basic**, 40, 56, 128, Login-128, RC5, None}	Specifies the connection security level. The highest level is 128-bit security; the lowest level is Basic. Default = Basic.
FullScreen**=**{**no**, yes}	Runs the session at full screen (not in a window). Default = `No`.
* Host=host[;host...]	Specifies a host or lists of host values. The thin client attempts to connect to the next server on the list if the current one fails. List items must be separated by semicolons or commas. **NOTE:** Mandatory if no `application` option is specified.
HttpBrowsing**=**{0, **1**, ssl}	Designates the browsing protocol: 0 = udp 1 = (default) http ssl = https
Icon**=**image file	Specifies an icon to appear on the thin client desktop for this connection. The file must be located in the server `wlx/bitmap` directory. If not specified, the default icon is displayed (except in the case of a published application). A PNG, JPEG, or GIF may be used. XPM is permitted for backward compatibility.
LocalCopy**=**{**no**, yes}	Yes/no option to use the local copy of the ini file.
LowBand**=**{**no**, yes}	Yes/no option to enable optimization for low-speed connections, such as reducing audio quality and/or decreasing protocol-specific cache size.
NoReducer**=**{**no**, yes}	Yes/no option to turn off compression.
Password={password must be base-64 encoded, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the password to log in to the application server. Either a conventional log-in password or a variable can be used. **Variable and Description** `password` — Conventional log-in password `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name **CAUTION:** The application server password is not encrypted; not specifying it is strongly recommended. The user will be prompted to enter the password when the connection is made. This application server password directive never starts a line, so it can be distinguished from the thin client user sign-on password (which starts a line).

Table 10 ICA Connect Options, Continued

Option	Description
ping=**{yes**, no}	Yes/no option to enable ping. For non-published application connections, a ping (ICMP) is sent to the host server prior to connecting to verify that the host is reachable.
Reconnect={**no**, yes, 1-3600}	Controls automatic re-connection to an application server after a disconnection. **Option Value and Action** yes — Immediately restarts the connection 30 seconds after a disconnect. Default for reconnect is 30 seconds. no — (default) Does not reconnect after a disconnect. 1...3600 — (integer) Specifies the interval to wait (in seconds) before automatically restarting the connection after a disconnection. Valid range is 1 to 3600.
Resolution={**default**, seamless, 640x480, 800x600, 1024x768, 1280x1024, 1600x1200}	Specifies the connection display resolution. The *default* value starts the connection using the current desktop display setting. If the connection is to a published application, the seamless selection is available.
Username={username, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the name to log in to the application server. Either a conventional log-in name or a variable can be used. **Variable and Description** `username` — Conventional log-in name `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name

Mozilla Firefox Connect Options

Table 11 contains the supported options you can use for Mozilla Firefox connections.

Example:

**CONNECT=BROWSER **
**Description="Wyse Home Page" **
**URL=http://www.wyse.com **
**Resolution=FullScreen **
**Mode=Normal **
LocalCopy=no

Table 11 Mozilla Firefox Connect Options

Option	Description
AutoConnect**=**{**no**, yes}	Yes/no option to start a connection automatically at sign-on.
AutoLogin={**no**, yes}	Yes/no option to automatically log the user in as DefaultUser. This is for use at kiosks and other environments where the user logs in without human intervention. **NOTE:** No password is required for automatic login even if the user normally needs a password.
Description**=**string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in double quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \
Icon**=**image file	Specifies an icon to appear on the local desktop or Connection Manager. The file must be located in the server `wlx/bitmap` directory. If not specified, the default icon is displayed (except in the case of a published application). A PNG, JPEG, or GIF may be used. XPM is permitted for backward compatibility.
LocalCopy**=**{**no**, yes}	Yes/no option to use the local copy of the ini file.
Mode={kiosk, normal}	Launches Firefox in kiosk or normal mode.
Reconnect={**no**, yes}	Yes/no option to display the *Enable Auto Reconnect* check box to control automatic re-connection to an application server after a disconnection. **Option Value and Action** yes or 1 — Enables the *Enable Auto Reconnect* check box. no or 0 — (default) Disables the *Enable Auto Reconnect* check box.

Table 11 Mozilla Firefox Connect Options, Continued

Option	Description
ReconnectSeconds={seconds}	Specifies the amount of time in seconds (default is **30**) to wait before automatic reconnection to an application server after a disconnection. Requires Reconnect=yes or 1.
Resolution={640x480, 800x600, 1024x768, 1280x1024, 1600x1200, **FullScreen**}	Specifies the connection window size.
URL**=**URL	Specifies the starting URL.

RDP Connect Options

Table 12 contains the supported options you can use for RDP connections.

Example:

```
CONNECT=RDP \
Host=10.150.123.35 \
Description="RDP_Server" \
AutoConnect=yes \
Colors=16m \
Username=Administrator \
Password=Password \
Domainname=$DN \
Resolution=800x600 \
Directory=C:\Windows \
Command="C:\Windows\system32\cmd.exe"
Reconnect=no \
Drives=J=disk \
Drives=k=floppy \
Sound=off \
LocalCopy=Yes
```

Table 12 RDP Connect Options

Option	Description
AutoConnect**=**{**no**, yes}	Yes/no option to start a connection automatically at sign-on.
Colors={256, **64k**, **High**, 16m}	Specifies the session color mode. For faster display performance, use 256 colors. Default = `64k` or `High` (these options are the same).
Command**=**start command	Lists a string of commands to be executed after logging on to the server. The maximum is 127 characters.
Description**=**string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in double quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \
Directory**=**working directory	Specifies a directory to be used as the working directory after logging on to the server. The maximum is 63 characters.
DomainName**=**{Windows domain name, $DN}	Specifies the domain name in a Windows network. `$DN` specifies that the thin client sign-on domain name is used.

Table 12 RDP Connect Options, Continued

Option	Description
Drives=drive letter={floppy, cdrom, disk} [, basedir] drive letter=...	Maps drives on the server to USB mass storage devices 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=an optional directory on the USB device to use **NOTE:** Be sure each drive command is separated by a space.
Encryption**=**none	If none, no encryption is used. **NOTE:** Use this option when connecting to a server with data encryption between the communication of the server and the client.
FullScreen**=**{**no**, yes}	Runs the session at full screen (not in a window).
* Host=host[;host...]	Specifies a host or lists of host values. The thin client attempts to connect to the next server on the list if the current one fails. List items must be separated by semicolons or commas. **NOTE:** This option is mandatory.
Icon**=**image file	Specifies an icon to appear on the thin client desktop for this connection. The file must be located in the server `wlx/bitmap` directory. If not specified, the default icon is displayed (except in the case of a published application). A PNG, JPEG, or GIF may be used. XPM is permitted for backward compatibility.
LocalCopy**=**{**no**, yes}	Yes/no option to use the local copy of the ini file.
LowBand**=**{**no**, yes}	Yes/no option to enable optimization for low-speed connections, such as reducing audio quality and/or decreasing protocol-specific cache size.
LPTports=LPTx={LPTy, USBLPz}, LPTx=...	Maps parallel devices on the server to parallel devices on the thin client, where x=1 to 4; if LPTy, map to that parallel port on the thin client; if USBLPz, map to that USB parallel port. **NOTE:** Be sure each serial device command is separated by a comma and space. **NOTE:** Windows 2000 servers do not support LPT port mapping.

Table 12 RDP Connect Options, Continued

Option	Description
Password={password must be base-64 encoded, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the password to log in to the application server. Either a conventional log-in password or a variable can be used. **Variable and Description** `password` — Conventional log-in password `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name **CAUTION:** The application server password is not encrypted; not specifying it is strongly recommended. The user will be prompted to enter the password when the connection is made. This application server password directive never starts a line, so it can be distinguished from the thin client user sign-on password (which starts a line).
ping**=**{**yes**, no}	Yes/no option to enable ping. For non-published application connections, a ping (ICMP) is sent to the host server prior to connecting to verify that the host is reachable.
Protocol={4, **5**}	Access servers running RDP 4 or RDP 5. To access servers running RDP 4, set the protocol to 4. Default=5 (servers running RDP 5 are accessed).
Reconnect**=**{**yes**, no}	Yes/no option to automatically reconnect to an application server after a disconnection. **Option Value and Action** Yes — (default) - Immediately restarts the connection 30 seconds after a disconnect. The default for a reconnection is 30 seconds. No — Does not reconnect after a disconnect.
ReconnectSeconds={1-3600}	Specifies the interval to wait (in seconds, an integer between 1 and 3600) before automatically restarting the connection after a disconnection. Valid range is 1 to 3600.
Resolution={**default**, seamless, 640x480, 800x600, 1024x768, 1280x1024, 1600x1200}	Specifies the connection display resolution. The *default* value starts the connection using the current desktop display setting.
Smartcard**=**{**no**, yes}	Yes/no option to enable Smart Card Authentication.

Table 12 RDP Connect Options, Continued

Option	Description
Sound={off, **local**, remote}	Specifies if and where to enable sound. off - disable sound local - enable sound to local machine (default) remote - enable sound to remote machine
Username={username, $SN, $MAC, $IP, $TN, $UN, $PW}	Specifies the name to log in to the application server. Either a conventional log-in name or a variable can be used. **Variable and Description** `username` — Conventional log-in username `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name

SSH Connect Options

Table 13 contains the supported options you can use for SSH connections.

Example:

```
CONNECT=SSH \
Description="SSH_Connection" \
Host=192.168.0.2 \
Reconnect=Yes \
ReconnectSeconds=100 \
Username=root \
Command=/usr/X11R6/bin/xterm\ \
LocalCopy=no
```

Table 13 SSH Connect Options

Option	Description
AutoConnect=**{no**, yes}	Yes/no option to start a connection automatically at sign-on.
***** Command=command line	Specifies a command to execute remotely. For xterms, it is recommended that the '-ls' option be used so that it is a login shell. **NOTE:** This option is mandatory.
***** Description=string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ' " $? ! | ; ( ) [ ] { } \ **NOTE:** This option is mandatory.
***** Host=host	Specifies the server name or IP address to connect to. **NOTE:** This option is mandatory.
Icon=bitmap file	Specifies an icon to appear on the thin client desktop for this connection. The file must be an XPM file located in the FTP server `wlx/bitmap` directory. If not specified, the default icon is displayed.
LocalCopy=**{no**, yes}	Yes/no option to save this connection in the local permanent registry.
ping=**{yes**, no}	Yes/no option to enable ping. For non-published application connections, a ping (ICMP) is sent to the host server prior to connecting to verify that the host is reachable.
Reconnect=**{no**, yes}	Yes/no option to automatically reconnect to an application server after a disconnection.

Table 13 SSH Connect Options, Continued

Option	Description
ReconnectSeconds={seconds}	Specifies the amount of time in seconds (default is **30**) to wait before automatic reconnection to an application server after a disconnection. Requires Reconnect=yes or 1.
Username={username, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the name to log in to the SSH server. Either a conventional log-in name or a variable can be used. **Variable and Description** `username` — Conventional log-in name `$SN` — Serial number used `$MAC` — MAC address used `$IP` — IP Address used `$UN` — Sign-on name used `$PW` — Sign-on password used `$TN` — Terminal name

VMware View Client Connect Options

Table 14 contains the supported options you can use for VMware View Client connections.

Example:

```
CONNECT=VMWARE_VIEWCLIENT \
Description="VMview" \
Host=192.168.0.2 \
DomainName=$DN \
AutoConnect=Yes \
Username=Administrator \
Password=Password \
Fullscreen=yes \
Ping=yes \
LocalCopy=yes
```

Example:

```
CONNECT=VMWARE_VIEWCLIENT \
Description="VMview" \
Host=192.168.0.2 \
DomainName=$DN \
Username=Administrator \
Password=Password \
DesktopSize=800x600 \
Ping=yes \
LocalCopy=yes
```

Table 14 VMware View Client Connect Options

Option	Description
AutoConnect**=**{**no**, yes}	Yes/no option to start a connection automatically at sign-on.
Description**=**string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in double quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \
Desktop=string	Use the published desktop name.
Desktopsize={fullscreen, largewindow, **smallwindow**, <x>x<y>}	Specifies the desktop size (fullscreen, largewindow, smallwindow) or use exact size in the form XxY.
Domain**=**string	Specifies the domain name in a Windows network where the VMware server is located.
FullScreen**=**{**no**, yes}	Runs the session at full screen (not in a window). Default = No.
* Host=host[;host...]	Specifies a host or lists of host values. The thin client attempts to connect to the next server on the list if the current one fails. List items must be separated by semicolons or commas. **NOTE:** This option is mandatory.

Table 14 VMware View Client Connect Options, Continued

Option	Description
Interactive**=**{**yes**, no}	Yes/no option to enable interactive connection mode.
LocalCopy**=**{**no**, yes}	Yes/no option to save this connection in the local permanent registry.
Password={password must be base-64 encoded, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the password to log in to the application server. Either a conventional log-in password or a variable can be used. **Variable and Description** `password` — Conventional log-in password `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name **CAUTION:** The application server password is not encrypted; not specifying it is strongly recommended. The user will be prompted to enter the password when the connection is made. This application server password directive never starts a line, so it can be distinguished from the thin client user sign-on password (which starts a line).
ping**=**{**yes**, no}	Yes/no option to enable ping. For non-published application connections, a ping (ICMP) is sent to the host server prior to connecting to verify that the host is reachable.
Port=string	Specifies a different port number other than default 80 or 443. Default 80 or 443 when *UseSSL* is enabled.
Useallmonitors**=**{**no**, yes}	Yes/no option to enable a session to display on all connected monitors. Requires Fullscreen=yes.
Username={username, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the name to log in to the application server. Either a conventional log-in name or a variable can be used. **Variable and Description** `username` — Conventional log-in name `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name
UseSSL**=**{**no**, yes}	Yes/no option to enable a secure connection (HTTPS).

VNC Viewer Connect Options

Table 15 contains the supported options you can use for VNC Viewer connections.

Example:

```
CONNECT=VNC_VIEWER \
Description="VNC_Connection" \
Host=192.168.0.2 \
Color=24 \
AutoConnect=Yes \
Display=0 \
Password=xyz \
Fullscreen=Yes \
LocalCopy=No
```

Table 15 VNC Viewer Connect Option List

Option	Description
AutoConnect**=**{**no**, yes}	Yes/no option to start a connection automatically at sign-on.
Colors={**True_Color**, 16, 24, OwnCMap}	Specifies how many colors to display for each pixel. `16` is 16-bit (thousands); `24` is 24-bit (millions); `OwnCMap` specifies to use your own color map. Default is True_Color.
Description**=**string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in double quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \
Display={**0**-99}	Specifies the display to connect to on the server. Default = 0.
FullScreen**=**{**no**, yes}	Runs the session at full screen (not in a window). Default = `No`.
* Host=host[;host...]	Specifies a host or lists of host values. The thin client attempts to connect to the next server on the list if the current one fails. List items must be separated by semicolons or commas. **NOTE:** This option is mandatory.
LocalCopy**=**{**no**, yes}	Yes/no option to save this connection in the local permanent registry.

Table 15 VNC Viewer Connect Option List, Continued

Option	Description
Password={password must be base-64 encoded, $SN, $MAC, $IP, $UN, $PW, $TN}	Specifies the password to log in to the application server. Either a conventional log-in password or a variable can be used. **Variable and Description** `password` — Conventional log-in password `$SN` — Serial number `$MAC` — MAC address `$IP` — IP Address `$UN` — Sign-on name `$PW` — Sign-on password `$TN` — Terminal name **CAUTION:** The application server password is not encrypted; not specifying it is strongly recommended. The user will be prompted to enter the password when the connection is made. This application server password directive never starts a line, so it can be distinguished from the thin client user sign-on password (which starts a line).
ping**=**{**yes**, no}	Yes/no option to enable ping. For non-published application connections, a ping (ICMP) is sent to the host server prior to connecting to verify that the host is reachable.

XDMCP Connect Options

Table 16 contains the supported options you can use for XDMCP connections.

Example:

```
CONNECT=XDMCP \
Description="Xnest" \
Host=192.168.0.2 \
Mode=Query \
Resolution=800x600 \
Program=Xnest \
Reconnect=Yes \
Ping=Yes \
AutoConnect=Yes \
LocalCopy=Yes
```

Example:

```
CONNECT=XDMCP \
Description="xServer" \
Host=192.168.0.2 \
Mode=Chooser \
Fullscreen=yes \
Program=Xserver \
Reconnect=Yes \
Ping=yes \
Icon=Wyse61.xpm \
LocalCopy=yes
```

Example:

```
CONNECT=XDMCP \
Description="Indirect_User" \
Mode=Broadcast \
LocalCopy=no
```

Table 16 XDMCP Connect Options

Option	Description
AutoConnect**=**{**no**, yes}	Yes/no option to start a connection automatically at sign-on.
Description**=**string description	Connection description. Provides a connection name for the Desktop icon and the *Connection Manager*. **CAUTION:** The text must be enclosed in double quotation marks if it contains spaces or punctuation characters. These characters are not allowed: & ‘ “ $? ! | ; ( ) [ ] { } \
FullScreen**=**{**no**, yes}	Runs the session at full screen (not in a window). Default = `No`.
* Host=host[;host...]	Specifies a host or lists of host values. The thin client attempts to connect to the next server on the list if the current one fails. List items must be separated by semicolons or commas. **NOTE:** This option is mandatory.

Table 16 XDMCP Connect Options, Continued

Option	Description
Icon=image file	Specifies an icon to appear on the local desktop. The file must be located in the server `wlx/bitmap` directory. If not specified, the default icon is displayed (except in the case of a published application). A PNG, JPEG, or GIF may be used. XPM is permitted for backward compatibility.
LocalCopy={**no**, yes}	Yes/no option to save this connection in the local permanent registry.
Mode={Broadcast, Chooser, **Query**}	Broadcast — sends broadcast query packets to the network - the first responding display manager is chosen. Chooser — selects all hosts you specify in host Query — (default) selects only one host you specify in host. The first responding display manager is chosen.
ping={**yes**, no}	Yes/no option to enable ping. For non-published application connections, a ping (ICMP) is sent to the host server prior to connecting to verify that the host is reachable. **NOTE:** `Ping` is only used in Query mode.
Program={**Xnest**, Xserver}	Use Xnest to connect, or run a new instance of the Xserver. Use Xserver to claim the entire display. Default = Xnest.
Reconnect={**no**, yes}	Yes/no option to automatically reconnect to an application server after a disconnection.
ReconnectSeconds={seconds}	Specifies the amount of time in seconds (default is **30**) to wait before automatic reconnection to an application server after a disconnection. Requires Reconnect=yes or 1.
Resolution={**default**, 640x480, 800x600, 1024x768, 1280x1024, 1600x1200, <width>x<height>}	Specifies the connection display resolution. The *default* value starts the connection using the current desktop display setting with no window frame or border. Arbitrary width x height values are accepted.

B Printer Parameters: Options

This appendix provides the options that you can use for the following supported printer parameters:

- "JetDirectPrinter"
- "NetworkPrinter"
- "Printer"
- "PrinterURI"
- "SMBPrinter"

Tip

You can use supported printer parameters in wlx.ini, $MAC.ini, and {username}.ini files.

JetDirectPrinter

Table 17 contains the supported options you can use for the *JetDirectPrinter* parameter.

Tip

The JetDirectPrinter command line defines a printer served by an HP JetDirect print server.

Caution

Only the *Name* option is required for all supported printer parameters; other options you can use for the printer parameter are optional.

Example:

JetDirectPrinter=*host common parameters*

Table 17 JetDirectPrinter Options

Options	Description
[Default=**{**yes, no**}**]	Indicates that the option block defines the default printer for the thin client. If it occurs on more than one printer definition in the INI file, the last definition to specify is chosen as the default.
[Description=text]	Offers a short, human-readable description of the printer being defined. If the description includes blank spaces, it must be enclosed in quotation marks.
[Enable**=**{yes, no**}**]	Yes/no option to specify that the printer is available for use.
[EnableLPD={yes, no}]	This parameter is retained for backwards compatibility; otherwise, it is ignored.
[ModelID=Linux driver name]	Identifies the printer for the purpose of choosing a Linux printer driver (for example, “HP LaserJet 4”). Usually this parameter is not specified for any locally attached printers; it is used for LPR printers on the network.
Name=printer name	Provides both the name that is given in the local printers list and the internal name of the local print queue. Name must be between 1 and 16 characters, starting with a letter and composed entirely of letters, digits, underscores, and dashes. **NOTE:** This parameter is mandatory (all other common parameters are optional).

Table 17 JetDirectPrinter Options , Continued

Options	Description
[PrinterID=Windows driver]	Identifies the printer for the purpose of choosing a Windows printer driver (for example, “Brother MFC-420CN Printer”). Specify this parameter if you are forwarding the printer access to a Citrix or RDESKTOP connection.
[printers.autolocate={**no**, yes}]	Yes/no option to automatically locate and register available printers. Default is no.
[PPD=PPD name]	Directly specifies a Postscript Printer Definition filename for use as a local printer driver. **NOTE:** The PPD option can be useful when attaching a local printer for which you already have a CUPS configuration on another system.
ThinPrintClass= PrinterName1=Class1[;PrinterName2=Class2]	Sets the class name for a printer. For example: ThinPrintClass=LaserJet-Series=PCL5;DeskJet-Series=PS

NetworkPrinter

Table 17 contains the supported options you can use for the *NetworkPrinter* parameter.

Tip

The NetworkPrinter command line defines a printer that uses traditional Unix Line Printer Daemon protocols.

Caution

Only the *Name* option is required for all supported printer parameters; other options you can use for the printer parameter are optional.

Example:

NetworkPrinter=LPD Queue=printer-queue-name-on-server

Table 18 NetworkPrinter Options

Options	Description
[Default=**{**yes, no**}**]	Indicates that the option block defines the default printer for the thin client. If it occurs on more than one printer definition in the INI file, the last definition to specify is chosen as the default.
[Description=text]	Offers a short, human-readable description of the printer being defined. If the description includes blank spaces, it must be enclosed in quotation marks.
[Enable**=**{yes, no}]	Yes/no option to specify that the printer is available for use.
[EnableLPD={yes, no}]	This parameter is retained for backwards compatibility; otherwise, it is ignored.
[ModelID=Linux driver name]	Identifies the printer for the purpose of choosing a Linux printer driver (for example, “HP LaserJet 4”). Usually this parameter is not specified for any locally attached printers; it is used for LPR printers on the network.
Name=printer name	Provides both the name that is given in the local printers list and the internal name of the local print queue. Name must be between 1 and 16 characters, starting with a letter and composed entirely of letters, digits, underscores, and dashes. **NOTE:** This parameter is mandatory (all other common parameters are optional).

Table 18 NetworkPrinter Options , Continued

Options	Description
[PrinterID=Windows driver]	Identifies the printer for the purpose of choosing a Windows printer driver (for example, “Brother MFC-420CN Printer”). Specify this parameter if you are forwarding the printer access to a Citirx or RDESKTOP connection.
[printers.autolocate={**no**, yes}]	Yes/no option to automatically locate and register available printers. Default is no.
[PPD=PPD name]	Directly specifies a Postscript Printer Definition filename for use as a local printer driver. **NOTE:** The PPD option can be useful when attaching a local printer for which you already have a CUPS configuration on another system.
ThinPrintClass= PrinterName1=Class1[;PrinterName2=Class2]	Sets the class name for a printer. For example: ThinPrintClass=LaserJet-Series=PCL5;DeskJet-Series=PS

Printer

Table 17 contains the supported options you can use for the *Printer* parameter.

Tip

The Printer command line defines a locally attached printer connected through the noted interface.

Caution

Only the *Name* option is required for all supported printer parameters; other options you can use for the printer parameter are optional.

Example:

Printer={[USB][USB1][USB2][USBLPT1][USBLPT2][USBSER1][USBSER2][COM1][COM2]} *common parameters*

Table 19 Printer Options

Options	Description
[Default=**{**yes, no**}**]	Indicates that the option block defines the default printer for the thin client. If it occurs on more than one printer definition in the INI file, the last definition to specify is chosen as the default.
[Description=text]	Offers a short, human-readable description of the printer being defined. If the description includes blank spaces, it must be enclosed in quotation marks.
[Enable**=**{yes, no}]	Yes/no option to specify that the printer is available for use.
[EnableLPD={yes, no}]	This parameter is retained for backwards compatibility; otherwise, it is ignored.
[ModelID=Linux driver name]	Identifies the printer for the purpose of choosing a Linux printer driver (for example, “HP LaserJet 4”). Usually this parameter is not specified for any locally attached printers; it is used for LPR printers on the network.
Name=printer name	Provides both the name that is given in the local printers list and the internal name of the local print queue. Name must be between 1 and 16 characters, starting with a letter and composed entirely of letters, digits, underscores, and dashes. **NOTE:** This parameter is mandatory (all other common parameters are optional).
[PrinterID=Windows driver]	Identifies the printer for the purpose of choosing a Windows printer driver (for example, “Brother MFC-420CN Printer”). Specify this parameter if you are forwarding the printer access to a Citirx or RDESKTOP connection.

Table 19 Printer Options , Continued

Options	Description
[printers.autolocate={**no**, yes}]	Yes/no option to automatically locate and register available printers. Default is no.
[PPD=PPD name]	Directly specifies a Postscript Printer Definition filename for use as a local printer driver. **NOTE:** The PPD option can be useful when attaching a local printer for which you already have a CUPS configuration on another system.
ThinPrintClass= PrinterName1=Class1[;PrinterName2=Class2]	Sets the class name for a printer. For example: ThinPrintClass=LaserJet-Series=PCL5;DeskJet-Series=PS

PrinterURI

Table 17 contains the supported options you can use for the *PrinterURI* parameter.

Tip

The PrinterURI command line 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.

Caution

Only the *Name* option is required for all supported printer parameters; other options you can use for the printer parameter are optional.

Example:

PrinterURI=[ipp://[user[:*password*]@*host*[:*port*]/*path*
[http://[user[:*password*]@*host*[:*port*]/*path*
[socket://*host*[:*port*]
[lpd://host/queue
[smb://[*user*[:*password*]@[*workgroup*/]
server*[:*port*]/*sharename
[usb:/dev/usb/lp*unit*
[parallel:/dev/lp*unit*
[serial:/dev/tty*Sunit*?baud=*speed***

common parameters

Tip

Additional protocols beyond those listed here (for example, FTP and TFTP) may be supported by the CUPS system on the thin client.

Table 20 PrinterURI Options

Options	Description
[Default=**{**yes, no**}**]	Indicates that the option block defines the default printer for the thin client. If it occurs on more than one printer definition in the INI file, the last definition to specify is chosen as the default.
[Description=text]	Offers a short, human-readable description of the printer being defined. If the description includes blank spaces, it must be enclosed in quotation marks.
[Enable=**{**yes, no**}**]	Yes/no option to specify that the printer is available for use.

Table 20 PrinterURI Options , Continued

Options	Description
[EnableLPD={yes, no}]	This parameter is retained for backwards compatibility; otherwise, it is ignored.
[ModelID=Linux driver name]	Identifies the printer for the purpose of choosing a Linux printer driver (for example, “HP LaserJet 4”). Usually this parameter is not specified for any locally attached printers; it is used for LPR printers on the network.
Name=printer name	Provides both the name that is given in the local printers list and the internal name of the local print queue. Name must be between 1 and 16 characters, starting with a letter and composed entirely of letters, digits, underscores, and dashes. **NOTE:** This parameter is mandatory (all other common parameters are optional).
[PrinterID=Windows driver]	Identifies the printer for the purpose of choosing a Windows printer driver (for example, “Brother MFC-420CN Printer”). Specify this parameter if you are forwarding the printer access to a Citirx or RDESKTOP connection.
[printers.autolocate={**no**, yes}]	Yes/no option to automatically locate and register available printers. Default is no.
[PPD=PPD name]	Directly specifies a Postscript Printer Definition filename for use as a local printer driver. **NOTE:** The PPD option can be useful when attaching a local printer for which you already have a CUPS configuration on another system.
ThinPrintClass= PrinterName1=Class1[;PrinterName2=Class2]	Sets the class name for a printer. For example: ThinPrintClass=LaserJet-Series=PCL5;DeskJet-Series=PS

SMBPrinter

Table 17 contains the supported options you can use for the *SMBPrinter* parameter.

Tip

The SMBPrinter command line defines a network printer shared through the Windows Sever Message Block protocols.

Caution

Only the *Name* option is required for all supported printer parameters; other options you can use for the printer parameter are optional.

Example:

SMBPrinter=*host*[username=username][password=password]
[domain=Windows domain] *common parameters*

Table 21 SMBPrinter Options

Options	Description
[Default=**{**yes, no**}**]	Indicates that the option block defines the default printer for the thin client. If it occurs on more than one printer definition in the INI file, the last definition to specify is chosen as the default.
[Description=text]	Offers a short, human-readable description of the printer being defined. If the description includes blank spaces, it must be enclosed in quotation marks.
[Enable=**{**yes, no**}**]	Yes/no option to specify that the printer is available for use.
[EnableLPD={yes, no}]	This parameter is retained for backwards compatibility; otherwise, it is ignored.
[ModelID=Linux driver name]	Identifies the printer for the purpose of choosing a Linux printer driver (for example, “HP LaserJet 4”). Usually this parameter is not specified for any locally attached printers; it is used for LPR printers on the network.
Name=printer name	Provides both the name that is given in the local printers list and the internal name of the local print queue. Name must be between 1 and 16 characters, starting with a letter and composed entirely of letters, digits, underscores, and dashes. **NOTE:** This parameter is mandatory (all other common parameters are optional).

Table 21 SMBPrinter Options , Continued

Options	Description
[PrinterID=Windows driver]	Identifies the printer for the purpose of choosing a Windows printer driver (for example, “Brother MFC-420CN Printer”). Specify this parameter if you are forwarding the printer access to a Citirx or RDESKTOP connection.
[printers.autolocate={**no**, yes}]	Yes/no option to automatically locate and register available printers. Default is no.
[PPD=PPD name]	Directly specifies a Postscript Printer Definition filename for use as a local printer driver. **NOTE:** The PPD option can be useful when attaching a local printer for which you already have a CUPS configuration on another system.
ThinPrintClass= PrinterName1=Class1[;PrinterName2=Class2]	Sets the class name for a printer. For example: ThinPrintClass=LaserJet-Series=PCL5;DeskJet-Series=PS

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C TimeZone Parameter: Values

Table 22 contains the supported values that you can use for the *TimeZone* parameter.

Tip

You can use the *TimeZone* parameter in wlx.ini and $MAC.ini files only.

Caution

The *TimeZone* parameter must be followed by the *ManualOverride=true* option.

Example:

**TimeZone="US/Pacific" ManualOverride=true **

Table 22 TimeZone Values

Continent/ Country	Value
Africa	The following values must be preceded with `Africa/`. For example, `Africa/Abidjan` is the value for the `Abidjan` time zone. `Abidjan`, `Accra`, `Addis_Ababa`, `Algiers`, `Asmara`, `Asmera`, `Bamako`, `Bangui`, `Banjul`, `Bissau`, `Blantyre`, `Brazzaville`, `Bujumbura`, `Cairo`, `Casablanca`, `Ceuta`, `Conakry`, `Dakar`, `Dar_es_Salaam`, `Djibouti`, `Douala`, `El_Aaiun`, `Freetown`, `Gaborone`, `Harare`, `Johannesburg`, `Kampala`, `Khartoum`, `Kigali`, `Kinshasa`, `Lagos`, `Libreville`, `Lome`, `Luanda`, `Lubumbashi`, `Lusaka`, `Malabo`, `Maputo`, `Maseru`, `Mbabane`, `Mogadishu`, `Monrovia`, `Nairobi`, `Ndjamena`, `Niamey`, `Nouakchott`, `Ouagadougou`, `Porto-Novo`, `Sao_Tome`, `Timbuktu`, `Tripoli`, `Tunis`, `Windhoek`, The following values can be used without being preceded with `Africa/`: `Egypt`, `Libya`

Table 22 TimeZone Values, Continued

Continent/ Country	Value

Americas (*see also* Brazil, Canada, Chile, Mexico, United States)	The following values must be preceded with `America/`. For example, `America/Adak` is the value for the `Adak` time zone.
	
	`Adak`, `Anchorage`, `Anguilla`, `Antigua`, `Araguaina`, `Argentina/Buenos_Aires`, `Argentina/Catamarca`, `Argentina/ComodRivadavia`, `Argentina/Cordoba`, `Argentina/Jujuy`, `Argentina/La_Rioja`, `Argentina/Mendoza`, `Argentina/Rio_Gallegos`, `Argentina/San_Juan`, `Argentina/San_Luis`, `Argentina/Tucuman`, `Argentina/Ushuaia`, `Aruba`, `Asuncion`, `Atikokan`, `Atka`, `Bahia`, `Barbados`, `Belem`, `Belize`, `Blanc-Sablon`, `Boa_Vista`, `Bogota`, `Boise`, `Buenos_Aires`, `Cambridge_Bay`, `Campo_Grande`, `Cancun`, `Caracas`, `Catamarca`, `Cayenne`, `Cayman`, `Chicago`, `Chihuahua`, `Coral_Harbour`, `Cordoba`, `Costa_Rica`, `Cuiaba`, `Curacao`, `Danmarkshavn`, `Dawson`, `Dawson_Creek`, `Denver`, `Detroit`, `Dominica`, `Edmonton`, `Eirunepe`, `El_Salvador`, `Ensenada`, `Fort_Wayne`, `Fortaleza`, `Glace_Bay`, `Godthab`, `Goose_Bay`, `Grand_Turk`, `Grenada`, `Guadeloupe`, `Guatemala`, `Guayaquil`, `Guyana`, `Halifax`, `Havana`, `Hermosillo`, `Indiana/Indianapolis`, `Indiana/Knox`, `Indiana/Marengo`, `Indiana/Petersburg`, `Indiana/Tell_City`, `Indiana/Vevay`, `Indiana/Vincennes`, `Indiana/Winamac`, `Indianapolis`, `Inuvik`, `Iqaluit`, `Jamaica`, `Jujuy`, `Juneau`, `Kentucky/Louisville`, `Kentucky/Monticello`, `Knox_IN`, `La_Paz`, `Lima`, `Los_Angeles`, `Louisville`, `Maceio`, `Managua`, `Manaus`, `Marigot`, `Martinique`, `Mazatlan`, `Mendoza`, `Menominee`, `Merida`, `Mexico_City`, `Miquelon`, `Moncton`, `Monterrey`, `Montevideo`, `Montreal`, `Montserrat`, `Nassau`, `New_York`, `Nipigon`, `Nome`, `Noronha`, `North_Dakota/Center`, `North_Dakota/New_Salem`, `Panama`, `Pangnirtung`, `Paramaribo`, `Phoenix`, `Port-au-Prince`, `Port_of_Spain`, `Porto_Acre`, `Porto_Velho`, `Puerto_Rico`, `Rainy_River`, `Rankin_Inlet`, `Recife`, `Regina`, `Resolute`, `Rio_Branco`, `Rosario`, `Santiago`, `Santo_Domingo`, `Sao_Paulo`, `Scoresbysund`, `Shiprock`, `St_Barthelemy`, `St_Johns`, `St_Kitts`, `St_Lucia`, `St_Thomas`, `St_Vincent`, `Swift_Current`, `Tegucigalpa`, `Thule`, `Thunder_Bay`, `Tijuana`, `Toronto`, `Tortola`, `Vancouver`, `Virgin`, `Whitehorse`, `Winnipeg`, `Yakutat`, `Yellowknife`
	
	The following values can be used without being preceded with `America/`:
	`Cuba`, `Jamaica`, `Navajo`

Table 22 TimeZone Values, Continued

Continent/ Country	Value

Asia (*see also* Mideast)	The following values must be preceded with `Asia/`. For example, `Asia/Aden` is the value for the `Aden` time zone.
	
	`Aden`, `Almaty`, `Amman`, `Anadyr`, `Aqtau`, `Aqtobe`, `Ashgabat`, `Ashkhabad`, `Baghdad`, `Bahrain`, `Baku`, `Bangkok`, `Beijing`, `Beirut`, `Bishkek`, `Brunei`, `Calcutta`, `Choibalsan`, `Chongqing`, `Chungking`, `Colombo`, `Dacca`, `Damascus`, `Dhaka`, `Dili`, `Dubai`, `Dushanbe`, `Gaza`, `Harbin`, `Ho_Chi_Minh`, `Hong_Kong`, `Hovd`, `Irkutsk`, `Istanbul`, `Jakarta`, `Jayapura`, `Jerusalem`, `Kabul`, `Kamchatka`, `Karachi`, `Kashgar`, `Katmandu`, `Kolkata`, `Krasnoyarsk`, `Kuala_Lumpur`, `Kuching`, `Kuwait`, `Macao`, `Macau`, `Magadan`, `Makassar`, `Manila`, `Muscat`, `Nicosia`, `Novosibirsk`, `Omsk`, `Oral`, `Phnom_Penh`, `Pontianak`, `Pyongyang`, `Qatar`, `Qyzylorda`, `Rangoon`, `Riyadh`, `Riyadh87`, `Riyadh88`, `Riyadh89`, `Saigon`, `Sakhalin`, `Samarkand`, `Seoul`, `Shanghai`, `Singapore`, `Taipei`, `Tashkent`, `Tbilisi`, `Tehran`, `Tel_Aviv`, `Thimbu`, `Thimphu`, `Tokyo`, `Ujung_Pandang`, `Ulaanbaatar`, `Ulan_Bator`, `Urumqi`, `Vientiane`, `Vladivostok`, `Yakutsk`, `Yekaterinburg`, `Yerevan`
	
	The following values can be used without being preceded with `Asia/`:
	`Hongkong`, `Iran`, `Israel`, `Japan`, `Singapore`, `Turkey`

Australia	The following values must be preceded with `Australia/`. For example, `Australia/ACT` is the value for the `ACT` time zone. `ACT`, `Adelaide`, `Brisbane`, `Broken_Hill`, `Canberra`, `Currie`, `Darwin`, `Eucla`, `Hobart`, `LHI`, `Lindeman`, `Lord_Howe`, `Melbourne`, `NSW`, `North`, `Perth`, `Queensland`, `South`, `Sydney`, `Tasmania`, `Victoria`, `West`, `Yancowinna`
Brazil	The following values must be preceded with `Brazil/`. For example, `Brazil/Acre` is the value for the `Acre` time zone. `Acre`, `DeNoronha`, `East`, `West`
Canada	These values are proceeded by `Canada/`. For example, `Canada/Atlantic` is the value for the `Atlantic` time zone. `Atlantic`, `Central`, `East-Saskatchewan`, `Eastern`, `Mountain`, `Newfoundland`, `Pacific`, `Saskatchewan`, `Yukon`
Chile	`Chile/Continental`, `Chile/EasterIsland`

Table 22 TimeZone Values, Continued

Continent/ Country	Value

Europe	The following values must be preceded with `Europe/`. For example, `Europe/Amsterdam` is the value for the `Amsterdam` time zone.
	
	`Amsterdam`, `Andorra`, `Athens`, `Belfast`, `Belgrade`, `Berlin`, `Bratislava`, `Brussels`, `Bucharest`, `Budapest`, `Chisinau`, `Copenhagen`, `Dublin`, `Gibraltar`, `Guernsey`, `Helsinki`, `Isle_of_Man`, `Istanbul`, `Jersey`, `Kaliningrad`, `Kiev`, `Lisbon`, `Ljubljana`, `London`, `Luxembourg`, `Madrid`, `Malta`, `Mariehamn`, `Minsk`, `Monaco`, `Moscow`, `Nicosia`, `Oslo`, `Paris`, `Podgorica`, `Prague`, `Riga`, `Rome`, `Samara`, `San_Marino`, `Sarajevo`, `Simferopol`, `Skopje`, `Sofia`, `Stockholm`, `Tallinn`, `Tirane`, `Tiraspol`, `Uzhgorod`, `Vaduz`, `Vatican`, `Vienna`, `Vilnius`, `Volgograd`, `Warsaw`, `Zagreb`, `Zaporozhye`, `Zurich`
	
	The following values can be used without being preceded with `Europe/`:
	`Eire`, `GB`, `GB-Eire`, `Greenwich`, `Iceland`, `Poland`, `Portugal`

Mexico	`Mexico/BajaNorte`, `Mexico/BajaSur`, `Mexico/General`
New Zealand	`NZ`, `NZ-CHAT`
United States	The following values must be preceded with `US/`. For example, `US/Alaska` is the value for the `Alaska` time zone. `Alaska`, `Aleutian`, `Arizona`, `Central`, `East-Indiana`, `Eastern`, `Hawaii`, `Indiana-Starke`, `Michigan`, `Mountain`, `Pacific`, `Samoa`
Universal	`UTC`, `ZULU`

D Keyboard.layouts Parameter: Values

Table 23 contains the values that you can use for the *Keyboard.layouts* parameter (to designate the keyboard type).

Tip

You can use the *Keyboard.layouts* parameter in wlx.ini, $MAC.ini, and {username}.ini files.

Caution

All values listed in Table 23 work on the thin client locally. However, for ICA and RDP connections, only the values marked with an x are supported on those connections.
In addition, values listed in the *Notes* column that are marked with an asterisk (*) are legacy values that are supported by ICA or RDP (as marked).

Example:

**Keyboard.layouts=us **

Table 23 Keyboard.layouts Values

Country	ICA	RDP	*Value*	Notes
Albania			`al`	
Armenia			`am_phonetic`	Phonetic
Arabic	x	x	`ara`	*Arabic (Egypt)
			`ara_azerty`	Azerty
			`ara_azerty_digits`	Azerty\digits
			`ara_digits`	Digits
			`ara_qwerty_digits`	
Azerbajian			`az_cyrillic`	Cyrillic
Bangladesh			`bd_probhat`	
Belarus			`by`	
			`by_winkeys`	Winkeys
			`by_latin`	Latin

Table 23 Keyboard.layouts Values , Continued

Country	ICA	RDP	*Value*	Notes
Belgium	x		be	*Belgian French
			be_nodeadkeys	Eliminate dead keys
			be_iso-alternate	ISO alternate
			be_sundeadkeys	Sun dead keys
Bhutan			bt	
Bosnia			ba_unicode	Use Bosnian digraphs
			ba_alternatequotes	Use guillmots for quotes
			ba_unicodeus	US keyboard with Bosnian digraphs
			ba_us	US keyboard with Bosnian letters
Brazil	x	x	br	*Brazilian
			br_nodeadkeys	Eliminate dead keys
Bulgaria			bg_phonetic	
Cambodia			kh	
Canada	x	x	ca	*Canadian English (Multilingual)
			ca_fr	*Canadian French
			ca_multi-2gr	Multi-lingual, second part
		x	ca_fr-dvorak	French Dvorak
	x		ca_fr-legacy	French (legacy)
			ca_ike	Inuktitut
	x	x	ca_multi	Multi-lingual, first part
		x	ca_multix	Mult-ilingual
Croatia	x	x	hr	*Croatian
Denmark	x	x	dk	*Danish
			dk_nodeadkeys	Eliminate dead keys
Estonia			ee_dvorak	Dvorak
			ee_nodeadkeys	Eliminate dead keys
Faroe			fo_nodeadkeys	Eliminate dead keys
Finland	x	x	fi	*Finish
			fi_smi	Northern Saami
			fi_nodeadkeys	Eliminate dead keys

Table 23 Keyboard.layouts Values , Continued

Country	ICA	RDP	*Value*	Notes
France	x	x	fr	*French
			fr_dvorak	Dvorak
			fr_nodeadkeys	Elminate dead keys
			fr_latin9	Alternative
			fr_latin9_nodeadkeys	Alternative, eliminate dead keys
			fr_latin9_sundeadkeys	Alternative, Sun dead keys
			fr_sundeadkeys	Sun dead keys
Georgia			ge_ru	Russian
Germany	x	x	de	*German
	x	x	de_CH	*Swiss German
			de_deadacute	Dead acute
			de_deadgraveacute	Dead grave acute
			de_dvorak	Dvorak
			de_nodeadkeys	Eliminate dead keys
			de_ro	Romanian keyboard, German letters
			de_ro_nodeadkeys	Romanian keyboard, German letters, eliminate dead keys
Greece			gr_polytonic	Polytonic
			gr_nodeadkeys	Elminate dead keys
			gr_extended	Extended
Hungary	x	x	hu	*Hungarian
			hu_standard	Standard
			hu_qwerty	Qwerty
			nodeadkeys	Eliminate dead keys
			hu_101_qwerty_comma_dead	101/qwerty/comma/dead keys
			hu_101_qwerty_comma_nodead	101/qwerty/comma/Eliminate dead keys
			hu_101_qwerty_dot_dead	101/qwerty/dot/dead keys
			hu_101_qwerty_dot_nodead	101/qwerty/dot/Eliminate dead keys
			hu_101_qwertz_comma_dead	101/qwertz/comma/dead keys

Table 23 Keyboard.layouts Values , Continued

Country	ICA	RDP	*Value*	Notes
			hu_101_qwertz_comma_nodead	101/qwertz/comma/Eliminate dead keys
			hu_101_qwertz_dot_dead	101/qwertz/dot/dead keys
			hu_101_qwertz_dot_nodead	101/qwertz/dot/Eliminate dead keys
			hu_102_qwerty_comma_dead	102/qwerty/comma/dead keys
			hu_102_qwerty_comma_nodead	102/qwerty/comma/Eliminate dead keys
			hu_102_qwerty_dot_dead	102/qwerty/dot/dead keys
			hu_102_qwerty_dot_nodead	102/qwerty/dot/Eliminate dead keys
			hu_102_qwertz_comma_dead	102/qwertz/comma/dead keys
			hu_102_qwertz_comma_nodead	102/qwertz/comma/Eliminate dead keys
			hu_102_qwertz_dot_dead	102/qwertz/dot/dead keys
			hu_102_qwertz_dot_nodead	102/qwertz/dot/Eliminate dead keys
Iceland	x	x	is	*Icelandic
			is_nodeadkeys	Eliminate dead keys
			is_sundeadkeys	Sun dead keys
India			in_ben	Bengali
			in_ben_probhat	Bengali Probhat
			in_guj	Gujarati
			in_guru	Gurmukhi
			in_kan	Kannada
			in_mal	Malayalam
			in_ori	Oriya
			in_tam	Tamil
			in_tam_tab	Tamil TAB Typewriter
			in_tam_tscii	Tamil TSCII Typewriter
			in_tam_unicode	Tamil Unicode
			in_tel	Telugu

Table 23 Keyboard.layouts Values , Continued

Country	ICA	RDP	*Value*	Notes
			in_urd	Urdu
Iran			ir_keypad	Keypad
			ir_pro	Pro
			ir_pro_keypad	Pro Keypad
Ireland			ie_unicodeexpert	UnicodeExpert
			ie_clogaelach	CloGaelach
			ie_ogam	Ogham
			ie_ogam_is434	Ogham IS434
Israel			il_si1452	si1452
			il_lyx	lyx
			il_phonetic	Phonetic
Italy	x	x	it	*Italian
			it_nodeadkeys	Eliminate dead keys
Japan	x	x	jp	*Japanese
Kazakhstan			kz_kazrus	Kazakh with Russian
			kz_ruskaz	Russian with Kazakh
Korean	x	x	ko	*Korean
Latin			latam_nodeadkeys	Eliminate dead keys
			latam_sundeadkeys	Sun dead keys
			lv_tilde	Tilde (~) variant
Latin American	x	x	latam	*Latin American
Netherlands	x	x	nl	*Dutch
Norway	x	x	no	*Norwegian
			no_smi_nodeadkeys	Northern Saami, eliminate dead keys
			no_dvorak	Dvorak
			no_nodeadkeys	Eliminate dead keys
			no_smi	Northern Saami

Table 23 Keyboard.layouts Values , Continued

Country	ICA	RDP	*Value*	Notes
Pakistan			pk	
Poland	x	x	pl	*Polish (Programmers)
			pl_qwertz	qwertz
			pl_dvorak	Dvorak
			pl_dvorak_altquotes	Dvorak, Polish quotes on key "1/!"
			pl_dvorak_quotes	Dvorak, Polish quotes on quotemark key
Portugal	x	x	pt	*Portuguese
			pt_nodeadkeys	Eliminate dead keys
			pt_sundeadkeys	Sun dead keys
Romania			ro_std	Standard
			ro_winkeys	Winkeys
Russia	x	x	ru	*Russian
			ru_phonetic	Phonetic
			ru_typewriter	Typewriter
			ru_winkeys	Winkeys
Serbia			cs_yz	Z and ZHE swapped
			cs_latin	Latin
			cs_latinyz	Latin qwerty
			cs_latinunicode	Latin Unicode
			cs_latinunicodeyz	Latin Unicode qwerty
			cs_latinalternatequotes	Latin with guillemots
			cs_alternatequotes	With guillemots
			cs_yz	Z and ZHE swapped
Slovakia			si_alternatequotes	Use guillemots for quotes
			si_unicode	Use Slovenian digraphs
			si_unicodeus	US keyboard with Slovenian digraphs
			si_us	US keyboard with Slovenian letters

Table 23 Keyboard.layouts Values , Continued

Country	ICA	RDP	*Value*	Notes
Slovenia	x	x	si	*Slovenian
Spain	x	x	es	*Spanish
			es_sundeadkeys	Sun dead keys
			es_dvorak	Dvorak
			es_nodeadkeys	Eliminate dead keys
Sri Lanka			lk_tam_tab	Tamil TAB typewriter
			lk_tam_unicode	Tamil Unicode
Sweden	x	x	se	*Swedish
			se_dvorak	Dvorak
			se_nodeadkeys	Eliminate dead keys
			se_smi	Northern Saami
			se_rus	Russian phonetic
			se_rus_nodeadkeys	Russian phonetic, eliminate dead keys
Switzerland	x	x	ch_de_nodeadkeys	Swiss-German, eliminate dead keys
	x	x	ch_de_sundeadkeys	Swiss-German, Sun dead keys
			ch_fr	*Swiss-French
	x	x	ch_fr_nodeadkeys	Swiss-French, eliminate dead keys
	x	x	ch_fr_sundeadkeys	Swiss-French, Sun dead keys
			de_ch	*Swiss-German
	x	x	fr_ch	*Swiss-French
Syria			sy_syc	Syriac
			sy_syc_phonetic	Syriac phonetic
Tajikistan			tj	
Thailand	x	x	th	*Thai
			th_pat	Pattachote
			th_tis	TIS-820.2538
Turkey	x	x	tr	*Turkish (Q)

Table 23 Keyboard.layouts Values , Continued

Country	ICA	RDP	*Value*	Notes
			tr_alt	Alt-Q
	x	x	tr_f	*Turkish (F)
Ukraine			ua_phonetic	Phonetic
			ua_rstu	Standard RSTU
			ua_rstu_ru	Standard RSTU on Russian layout
			ua_typewriter	Typewriter
			ua_winkeys	Winkeys
U.K.	x	x	gb	*British English
			gb_intl	International (with dead keys)
			gb_dvorak	Dvorak
U.S.	x	x	us	*U.S. English
			us_alt-intl	Alternative international (former us_intl)
	x	x	us_dvorak	*US-Dvorak
	x	x	us_intl	*US-International (with dead keys)
		x	us_rus	Russian phonetic
Uzbekistan			uz	
Vietnam			vn	

Tables

Reference Guide

Wyse® Enhanced SUSE Linux Enterprise INI Files
Issue: 122911

Written and published by:
Wyse Technology Inc., December 2011

Created using FrameMaker® and Acrobat®