

LANrev Agent Customization

This document describes how to customize the LANrev Agent before deployment. Agents for both platforms are customized in the same way. For easier description if we refer to “preferences” in this document we talk about keys in the “com.poleposition-sw.lanrev_agent.plist” file for the Mac OS X and about registry settings on Windows.

The preference settings can be found in these locations:

- Mac OS X: */Library/Preferences/com.poleposition-sw.lanrev_agent.plist*
- Windows: *HKEY_LOCAL_MACHINE\Software\Pole Position Software\LANrev Agent*

Here is how the LANrev agent retrieves preference values:

1. The LANrev Agent tries to read the value from the preferences.
2. If the normal preferences are not found, the agent will try to read the value from the “DefaultDefaults.plist” default preferences file.
3. If that file is not found either, the agent will use fallback preference values that are hardcoded in the software.

The LANrev Agent can be customized by modifying an XML file called “DefaultDefaults.plist”. You can find the file in the following locations inside the installer package or folder:

- Mac OS X: *LANrev Agent.pkg/Contents/Resources/DefaultDefaults.plist*
- Windows: *LANrev Agent\DefaultDefaults.plist*

During the installation, the “DefaultDefaults.plist” file is transferred to the newly created “LANrev Agent” directory.

On Mac OS X you can edit this file with the Property List Editor or any text editor, on Windows you can use any text editor.

Most of the keys are already present in the “DefaultDefaults.plist” file with their default values. Additional keys can be inserted.

The text in parenthesis for the key type is the value type used in the Windows registry (e.g. DWORD).

The following list is a description of all keys that are supported in the “DefaultDefaults.plist” file:

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Network settings

Key: AgentPort
Type: Number (DWORD)
Default Value: 3970
Description: The network port on which the Agent listens.

Key: ConnectTimeout
Type: Number (DWORD)
Default Value: 10
Description: When the timeout is reached, a network connection attempt is aborted. The time is specified in seconds.

Key: FindServerWithBonjour
Type: Boolean (DWORD)
Default Value: YES (1)
Description: If "yes" then the agent will automatically search for a LANrev server when no servers are specified in the "ServerList" preference key (see Server settings).

Key: ExecuteFileTimeout
Type: Number (DWORD)
Default Value: 60
Description: When executing an application or installer, the Agent will consider the application to have stalled when it has not quit after the specified amount of time. The time is specified in minutes.

Key: SlowNetworkThreshold
Type: Number (DWORD)
Default Value: 100
Description: This key defines the threshold network adapter speed in megabits per second beneath which a Network is considered to be slow. This value is used when the "Don't install on slow network" option is checked in the installation options of a software distribution package.

Preference panel and control panel settings

Key: InstallAgentPrefPane
Type: Boolean (DWORD)
Default Value: YES (1)
Description: Specifies whether the LANrev preference panel is to be installed.

Key: InstallAgentPrefPaneForUser
Type: String (String)
Default Value: (empty by default)
Description: If this key exists, the LANrev preference panel is only installed for the user specified in the key, e.g., an admin user on this machine. (This key applies only to Mac OS X.)

Key: OpenPrefsPaneAfterInstallation
Type: Boolean (DWORD)
Default Value: NO (0)
Description: If this key is set to YES, the LANrev preference panel will automatically be opened on the computer. After the preference panel has been opened once through this method, the key is automatically reset to NO.

Key: UserCanChangeLANrevComputerName
Type: Boolean (DWORD)
Default Value: YES (1)
Description: If this key is set to YES, the user may alter the “LANrev computer name” setting locally in the preference panel.

Key: UserCanChangeClientInfoItem0 ... UserCanChangeClientInfoItem9
Type: Boolean (DWORD)
Default Value: YES (1)
Description: LANrev includes ten user-definable fields on each client. When one of the keys UserCanChangeClientInfoItem0 through UserCanChangeClientInfoItem9 is YES, the corresponding client information field may be edited by the local user. (Unless such editing is globally switched off in the “UserInfoLocked” key; see Agent configuration settings.)

Key: UserCanSeeGeneralTab
Type: Boolean (DWORD)
Default Value: YES (1)
Description: If this key is set to YES, the user is able to see the “General” section in the preference panel.

Key: UserCanSeeClientInfo
Type: Boolean (DWORD)
Default Value: YES (1)
Description: If this key is set to YES, the user is able to see the "Client Information" section in the preference panel.

Key: NonAdminUserCanChangeSettings
Type: Boolean (DWORD)
Default Value: NO (0)
Description: Only if this key is set to YES can local users without administrator privileges on the client computer (not to be confused with LANrev administrator privileges) make changes in the preference panel.

Agent configuration settings

Key: CustomAgentName
Type: String (String)
Default Value: (empty by default)
Description: The name that is to be used as the agent name if the option "UseCustomAgentName" is YES. This key corresponds to the "Use custom name" text field in the "Configure Agent" command.

Key: UseCustomAgentName
Type: Boolean (DWORD)
Default Value: NO (0)
Description: If this key is YES, the contents of the "CustomAgentName" key is used as the agent name. This key corresponds to the "LANrev computer name" option in the "Configure Agent" command.

Key: UserInfoLocked
Type: Boolean (DWORD)
Default Value: NO (0)
Description: This key determines whether the local user may modify the contents of the client information fields. It corresponds to the "User cannot modify client information" option in the "Configure Agent" command.

Key: UserInfo0 ... UserInfo9
Type: String (String)
Default Value: (empty by default)
Description: The contents of the ten client information fields. These keys correspond to the user-definable fields available in the "Client Information" section in the "Configure Agent" command.

Server settings

Key: ServerList
Type: ARRAY (Registry key: ServerList_Arr)
Default Value: (empty by default)
Description: This is a plist array of dictionary entries (0_dic, 1_dic, etc registry keys on Windows). This is equivalent to a row in the "Servers" section of the "Configure Agent" command. Each dictionary entry contains the four keys described below.

Key: ServerAddress
Type: String (String)
Default Value: (empty by default)
Description: The inventory server's DNS name or IP address.

Key: ServerPort
Type: Number (DWORD)
Default Value: 3971
Description: The port on which the inventory server can be reached.

Key: HeartbeatInterval
Type: Number (DWORD)
Default Value: 15
Description: The time interval in minutes for sending a heartbeat signal to the server.

Key: InventoryPushInterval
Type: Number (DWORD)
Default Value: 720
Description: The time interval in minutes for sending inventory information to the server.

Key: SDServerAddress
Type: String (String)
Default Value: (empty by default)
Description: The software distribution server's DNS name or IP address. This key corresponds to the "Software Distribution Server Address" field of the "Configure Agent" command.

Key: SDServerPort
Type: Number (DWORD)
Default Value: 3971
Description: The port on which the software distribution server can be reached. This key corresponds to the "Software Distribution Server Port" field of the "Configure Agent" command.

Key: SDServerCheckInterval
Type: Number (DWORD)
Default Value: 60
Description: The frequency in minutes for the agent checking whether there are new software packages to be installed. This key corresponds to the "Software Distribution Server Package check interval" field of the "Configure Agent" command.

Key: SLServerAddress
Type: String (String)
Default Value: (empty by default)
Description: The license monitoring server's DNS name or IP address. This key corresponds to the "License Monitoring Server Address" field of the "Configure Agent" command.

Key: SLServerPort
Type: Number (DWORD)
Default Value: 3971
Description: The port on which the license monitoring server can be reached. This key corresponds to the "License Monitoring Server Port" field of the "Configure Agent" command.

Key: SLServerCheckInterval
Type: Number (DWORD)
Default Value: 60
Description: The frequency in minutes for the agent checking whether there are new software packages to be monitored. This key corresponds to the "License Monitoring Update interval" field of the "Configure Agent" command.

Key: SLProcessScanInterval
Type: Number (DWORD)
Default Value: 1
Description: The frequency in minutes for the agent checking whether an application to be monitored is currently running.

Inventory settings

Key: InventoryWithFonts
Type: Boolean (DWORD)
Default Value: NO (0)
Description: This key determines whether inventory scans include collecting font information. This option is equivalent to the "Include font information" option in the "Gather Inventory Information" command.

Key: InventoryWithPrinters
Type: Boolean (DWORD)
Default Value: NO (0)
Description: This key determines whether inventory scans include collecting printer information. This option is equivalent to the "Include printer information" option in the "Gather Inventory Information" command.

Key: InventoryWithStartupItems
Type: Boolean (DWORD)
Default Value: NO (0)
Description: This key determines whether inventory scans include collecting startup item information. This option is equivalent to the "Include startup information" option in the "Gather Inventory Information" command. (This key applies to Mac OS X only.)
