ORACLE®

**Oracle® Enterprise Single Sign-on
Logon Manager**
Release Notes
Release 11.1.1.2.0
E15721-02

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ORACLE®

Oracle Enterprise Single Sign-on Logon Manager Release Notes, Release 11.1.1.2.0

E15721-02

Table of Contents

Abbreviations and Terminology

Following is a list of commonly-used abbreviations and terminology.

Abbreviation or Terminology	Full Name
Administrative Console	ESSO-LM Administrative Console
Agent	Logon Manager
FTU	First-Time-Use
ESSO-AM	Oracle Enterprise Single Sign-on Authentication Manager
ESSO-Anywhere	Oracle Enterprise Single Sign-on Anywhere
ESSO-PG	Oracle Enterprise Single Sign-on Provisioning Gateway
ESSO-KM	Oracle Enterprise Single Sign-on Kiosk Manager
ESSO-LM	Oracle Enterprise Single Sign-on Logon Manager
ESSO-PR	Oracle Enterprise Single Sign-on Password Reset

About ESSO-LM 11.1.1.2.0

Oracle® is releasing version 11.1.1.2.0 of Oracle Enterprise Single Sign-on Logon Manager (ESSO-LM). These release notes provide important information about this release. The information in this document supplements and supersedes information in the related product documents.

What's New in ESSO-LM 11.1.1.2.0

A number of features and improvements have been incorporated into ESSO-LM 11.1.1.2.0. This section describes these additions.

For more information on these features and settings, see the *ESSO-LM User Guide*, and the Administrative Console and User help systems.

ESSO-LM Agent

The following capabilities have been added to the Agent:

Contextual Menu for My Accounts View

Items in the "My Accounts" list can now be modified, copied, and deleted via a context menu. When you right-click an account in the My Accounts list in the Agent, you have immediate access to the Modify, Copy, and Delete functions.

Streamlined Addition of Credentials

The New Logon dialog box has been streamlined. When the Agent prompts you to add an account for a newly detected application, the New Logon dialog box that appears is now more intuitive. You will also no longer see the Add/Cancel/Disable dialog box, as these functions have been consolidated into the New Logon dialog box.

Logon Chooser Remembers the Last Used Logon

When Logon Chooser displays, the last used logon is automatically selected in the list.

Option to Bypass Logon Chooser for a Password Change

When a user is logged onto an application for which he has more than one account and opts to change his password for that account, Logon Chooser does not launch again to prompt him to select from among the available accounts.

Support for Polish Language

ESSO-LM has added support for Polish.

ESSO-LM Administrative Console

The following capabilities have been added to the Administrative Console:

Precision in Global Agent Settings

Global Agent Settings have been enhanced to provide more precise control over end users' experience.

Automatically Proceed with Password Change

When enabled, Action Chooser is bypassed when the grace period expires and password change is initiated automatically.

Prohibit Cancelling a Password Change

When enabled, disables the Cancel button in the password change dialog box, prohibiting the user from canceling the password change process.

Prohibit Specific Characters in Passwords

Allows you to configure your password policy to disallow specific characters when changing passwords.

Require Authentication Before Updating Account Credentials

When enabled, forces the user to provide ESSO-LM credentials before updating any stored application credentials, even if the reauthentication timer has not yet expired.

Show User Path

When enabled, the user path field is not displayed when the user is prompted to authenticate. (This setting applies to the LDAP v1 and v2 authenticators, and the LDAP synchronizer.)

Excluded Java Versions

Allows you to specify, in the form of a regular expression, the version(s) of the Java Runtime Environment that you want ESSO-LM to ignore.

Application Response

The following changes have been made to the way the Agent responds to applications:

Increased Precision in the URL Exclusion List

The URL exclusion list now correctly excludes sub-domains and fully qualified host names. For example, ebay.com.au is now properly excluded and no longer defaults to com.au.

Configuration of Credential Capture to Force Users to Enter Credentials

Template-level settings for disabling the "Disable" and "Cancel" buttons in the New Logon dialog boxes now override their global Agent equivalents. Enabling either option at the template level will take precedence over the global setting; disabling either option at the template level will give precedence to the global setting.

Simplified Publishing of Templates and Configuration Objects

The process for publishing templates and other configuration objects to your repository has been simplified. You can now right-click any item (or a group of items) in the Administrative Console tree and select Publish to bring up the new publishing dialog box, which has been designed to be more intuitive.

Mozilla Firefox Pop-up Window Template Configuration

ESSO-LM now supports configuring templates for Mozilla Firefox pop-up windows.

Support for Reporting

This version of ESSO-LM supports the new Oracle Enterprise Single Sign-on Suite Plus Reporting, which is scheduled to release at the end of 2009. Reporting includes a Web-based administrative console that accesses the SQL database and generates reports using the event records. You can create reports to leverage all data and events that routinely take place in the day-to-day usage of Oracle Enterprise Single Sign-on Suite Plus.

If you would like to start configuring your Reporting Database and start logging ESSO-LM events prior to the Reporting release, please contact your Support or Sales Engineer.

Synchronization

The following changes have been made to the LDAP v1 authentication to LDAP repository synchronization mechanism:

Clarified Error Messages for OID and Sun Java

Error messages displayed when LDAP v1 authenticator synchronizes to OID and Sun Java now more clearly describe the encountered faults.

Expired Password Detection for OID and Sun Java

The LDAP synchronizer now properly detects an expired user account password for OID and Sun Java, and initiates a password change when an expired password is detected.

Ability to Switch Password Reset Methods

You now have the ability to change the method used by Windows Authenticator v2 (WinAuth v2) to verify the user's identity to another method if necessary. The following scenarios are supported:

- WinAuth v2 built-in passphrase support to external secondary authentication
- External secondary authentication to WinAuth v2 built-in passphrase support
- One external secondary authentication library to another.

Digital Signature Check for Secondary Authentication Library

ESSO-LM now checks the secondary authentication library file for the Oracle digital signature and will not load unsigned secondary authentication library files. If you are developing a custom secondary authentication library, you must contact Oracle to obtain a digital signature.

Newly Supported Operating Systems

ESSO-LM now supports the following operating systems:

- Windows 7 Enterprise Edition (32-bit)
- Windows 7 Enterprise Edition (64-bit)
- Windows Server 2003 (64-bit)
- Windows Server 2008 (64-bit)

Support for Mozilla Firefox 3.5.x

ESSO-LM now supports the Mozilla Firefox 3.5.x Web browser.

Improved Troubleshooting of Synchronization in Oracle Trace Controller

The Oracle Trace Controller now uniquely identifies each synchronized object by its name and GUID, allowing for easier troubleshooting of repository synchronization issues.

What's Changed in ESSO-LM 11.1.1.2.0

This section describes changes that have been made in ESSO-LM 11.1.1.2.0.

Contextual Menu to Create the People Container

The contextual menu of the folder objects in the Administrative Console's Repository view now includes a "Create People Container" option. This selection performs the same operation as initiated previously by selecting "Finish" after running the "Configure SSO Support" wizard in Standard Mode and not selecting any further options.

Clearer User Interface for Disabling Templates

The user interface for disabling a template has been redesigned and now includes a "Deny response" check box for Windows and Web applications. This setting has been moved from the form configuration, clarifying that the entire template is disabled, instead of just a form of the template.

Resolved Issues

Issues that were reported in earlier releases of ESSO-LM that have been resolved in this release include:

Tracking Number	Description of Issue
a12008, s4575	Support has been added for sharing credentials between the synchronizer and the LDAP Logon Method.
a12012, s4648	Support has been added for out of domain authentication in LDAP Auth when using an Active Directory for user and administrator accounts. Previously, users could only authenticate within the AD domain.
a13018, s6389	The Agent did not update account passwords in domain sharing group when the Windows password was changed in the Brazilian Portuguese OS.
a13032, s6235	Setting the border appearance to an incorrect value caused the Agent to stop responding to Internet Explorer applications.
a13077, s6231	The Agent prompted for a user name in an application with no username field.
a13079, s6741	Text in the Retry Logon dialog box for the Japanese version of the Agent was corrupted.
a13170, s6484	The Agent did not respond to Web application that had very long titles. The Agent now responds to Web pages with titles as long as 4000 characters.
a13213	When a user attempted to change an expired password, the password change failed and the Agent displayed an "Unspecified error" message.
a13228, s6859	The Agent did not detect a Web page that was launched from a desktop shortcut.
a13242, s5953, s6655, s6757	The Lotus Notes "Alarm" System caused the Agent to lose focus in the main application and to cease responding to the application.
a13292, s6924	The Administrative Console ceased responding when modifying applications in Novell eDirectory.
a13293, s6429	Matching on different windows titles worked incorrectly for Oracle Java.
a13295, s6774	Running a select command on the database event logging extension returned the entire table instead of the selected columns, resulting in performance issues.
a13631	Users could not select data to copy when using PuTTY and ESSO-LM with PuTTY support enabled.
a13638, s6345	It was not possible to extend the schema using Tivoli Directory Server 6.1.
a13639, s6926	The Japanese version of the Agent contained translation errors.
a13640, s5763	Non-local administrative users could not edit template attributes when using an ADAM repository.
a13641, s6151	Multiple user credential objects were created for some users syncing to an Active Directory repository using Windows Vista.
a13642, s4215	The Agent responded to Web pages before the pages had loaded sufficient information to become enabled.

Tracking Number	Description of Issue
a13643, s5273	The Administrative Console did not create a correct template when using ordinals with a form containing an input image as a submit control.
a13646, s6199	Oracle application data was being stored locally when it was configured to be stored on a network drive.
a13655, 5801	A blank window title caused a 20-second logon delay.
a13656, s6773	If the user closed the logon window of an application before the Agent injected credentials, the Agent injected credentials into whichever window received the focus.
a13667, s5580, s6341, s6544, s6613, s6537, s6645, s6567, s6979, s6991	For some Web applications, the Password Change Wizard did not launch until the user refreshed the page manually.
a13690, s7296	Windows application templates created using a version 10.1.4.0.5 or earlier Administrative Console that were imported directly from the repository into the version s Administrative Console appeared as type "Undefined" wtih no fields visible.
a13708, s7238	Strict window detection worked incorrectly with Internet Explorer.
a13725, s7300	The Administrative Console help lacked information on the "Not" operator of the application template Matching tab.
a13821, s7339	DOS Console support did not translate emulator special keys to the corresponding DOS special keys.
a14081, s7499	It was not possible to exclude an application from a domain credential sharing group when adding a logon.
a14093, s7356	It was not possible to edit a password after checking "Exclude from Credential Sharing Group" while in the domain sharing group.
a14115, s6704	The Administrative Console help was missing information about naming application templates.
a14215, a14281, s7690	When using Windows Logon v2 with GINA and accessing the workstation through Terminal Services Remote Desktop, the Domain Credential Sharing Group prompted for a Windows password update when no Windows password change had occurred.
a14328, s7647	The End User License Agreement in the Japanese language pack contained extra strings.
a14393, s7679	The Agent occasionally entered credentials to the wrong application with a template using SendKeys set to include delays between insertions.
a14725, s8020	The Administrative Console was unable to open configuration XML files that were created with previous versions of ESSO-LM.
a14760	Allowing disconnected synchronization and attempting to synchronize cleared the entlist.

Open Issues

This section describes issues that remain open in this release.

Tracking Number	Description of Issue
a12748	It is not possible to install ESSO-LM from a .msi on an operating system with the User Access Control (UAC) enabled. To work around this issue, either use the full (.exe) installers to install ESSO-LM and its component applications, or temporarily disable UAC when installing ESSO-LM.
a14358	Users cannot complete the First-Time-Use Wizard with multiple synchronizers enabled. This issue occurs only in a multi-sync environment and will be addressed in an upcoming release.
a14364	A conflict exists between the ESSO-LM GINA and those of other Oracle products. To work around this issue, modify the ESSO-LM installation to remove the WinAuth v2 Network Provider component. Refer to the *ESSO-LM Installation and Setup Guide* for instructions to modify an existing ESSO-LM installation.
a14607	The JHO does not recognize the "Delay between retries" setting.
a14638	Configuring a new file sync directory produces ambiguous error messages.
a14644	The Domain Password Validation dialog box loses focus after the user clicks the "OK" button.
a14824	Restoring a volume fails when the backup is on a shared drive. To work around this issue, bring the .bkv file to your local machine.
a14829	The Agent fails to Auto-Enter credentials for Internet Explorer modal dialog boxes. To work around this issue, close the application and reopen it.

Hardware and Software Requirements

The ESSO-LM hardware and software requirements are listed under the following sections:

- Supported Operating Systems
- System Requirements
  - Disk Space Requirements
  - Memory Requirements
  - Processor Requirements
- Software Prerequisites
  - Microsoft .NET Framework
  - Windows Installer
- Repositories
- Web Servers
- Browsers
- Optional Software Support
  - Java
  - Host Emulators
  - Windows Event Logging
  - Citrix MetaFrame/Presentation Server
  - SAP

Supported Operating Systems

The ESSO-LM components are supported on the following operating systems:

Operating System	Versions Supported
Microsoft Windows XP	Professional SP3 (32-bit)
Microsoft Windows Vista™	Business Edition SP1 (32-bit)
Microsoft Windows 7 Enterprise Edition	32-bit and 64-bit
Microsoft Windows Server	2008 R2 (32-bit and 64-bit), 2003 SP2 (32-bit and 64-bit)

System Requirements

The ESSO-LM components system requirements are as follows:

Disk Space Requirements

Disk space requirements for the Agent:

	Minimum, excluding temporary space and runtime expansion	Temporary disk space (/tmp) needed during installation	For runtime expansion (configuration data and logs)
MSI	30 MB	30 MB	2 MB / user
EXE	30 MB	45 MB	2 MB / user

Disk space requirements for the Administrative Console:

	Minimum, excluding temporary space and runtime expansion	Temporary disk space (/tmp) needed during installation	For runtime expansion (configuration data and logs)
MSI	20 MB	15 MB	2 MB / user
EXE	20 MB	65 MB	2 MB / user

Other Disk Space Requirements

The following components require additional disk space:

- Microsoft Windows Installer: 20 MB hard drive space (if not present and if used)
- Microsoft .NET Framework 2.0:
  - 32-bit: 280 MB hard drive space (if not present)
  - 64-bit: 610 MB hard drive space (if not present)
- Microsoft Visual C++ 2008 Redistributable vcredist_x86.exe: requires 6 MB hard drive space.

For the most up-to-date information on disk space requirements for these components, refer to the Microsoft website.

A note about MSI installer vs. EXE installer

The disk space requirements are different for the MSI and EXE installers as there are differences in the capabilities of these installers:

- The Administrative Console EXE installer file includes Microsoft .NET Framework version 2.0, which is a requirement to run the Administrative Console.
- The Agent EXE installer file can be run in multiple languages. The MSI file is English-only.
- The MSI installer package is a database file, used by Windows Installer. This is a standard format used by installers from Microsoft and other vendors, and many other installers can read MSI files. The Microsoft Windows Installer exists as a service (Windows Installer) on all Microsoft Windows 2000/XP computers (refer to Microsoft Knowledgebase article #q255905). You can customize the MSI package to meet special requirements, such as:
  - Providing custom applications and SSO agent configurations.
  - Deactivating some options or components (i.e., different authenticators) before the end users install the Agent themselves.
  - Adding options or components to accommodate a complex environment, for example, one using biometric security devices or having an unusual network topology.

Memory Requirements (ESSO-LM Application + Operating System)

Memory requirements for the Agent

- Minimum: 256 MB RAM
- Recommended: 512 MB RAM

Memory requirements for the Console

- Minimum: 256 MB RAM
- Recommended: 512 MB RAM

Memory requirements for Microsoft Vista

- Minimum: 512 MB RAM
- Recommended: 1 GB RAM

> Although this application can run in an environment with the minimum amount of memory installed, the computer's memory usage should be monitored and additional memory added as needed. A low memory condition can cause this application to fail.

Processor Requirements

Processor requirements for the Agent and Console

- Minimum: 1 GHz processor
- Recommended: 1.6 GHz processor

Software Prerequisites

The ESSO-LM components software prerequisites are as follows:

Microsoft .NET Framework

- Microsoft .NET Framework 2.0 is required for the Administrative Console.

Windows Installer

- Windows Installer 3.1 is required for the MSI installer file.

Repositories

The ESSO-LM components require one of the following repositories to be installed:

Repository	Versions Supported
IBM DB2 Database	8.1.6
IBM Tivoli Directory Server	5.2
Microsoft Active Directory	2008, 2003, 2000
Microsoft Active Directory Application Mode	2003 SP1
Microsoft Active Directory Lightweight Directory Services	2008
Microsoft SQL Server	2008, 2005
Novell eDirectory	8.8 SP1
Open LDAP Directory Server	2.4.x, 2.2, 2.0.27
Oracle Database Management System	10g
Oracle Internet Directory	10.1.4.0.1
Siemens DirX Directory	8.0
Sun Java System Directory Server	6.3, 5.2

Web Servers

Web Server	Version Supported
Microsoft Internet Information Server	6.0 (Required For Web Viewer), 5.1, 5.0

Browsers

The ESSO-LM components require one of the following browsers to be installed:

Browser	Versions Supported
Microsoft Internet Explorer	8, 7, 6 SP1
Mozilla Firefox	3.5

Optional Software Support

Java

- Java support: Java Runtime Environment (JRE) version 1.6, 1.5, 1.4, 1.3.

Host Emulators

- Support for virtually any HLLAPI, EHLLAPI or WinHLLAPI-based emulator
- Please contact Oracle Support for specific emulator versions supported.

Windows Event Logging

- Windows event logging requires Microsoft Windows Server configured for Event Logging when being redirected to a central server.

Citrix Presentation Server/XenApp

- Citrix Presentation Server: version 4.5
- Citrix XenApp version: 6.0, 5.0

SAP

- SAP support: version 7.1, 7.0, 6.40.

Supported Emulators

The ESSO-LM mfrmlist.ini file includes the following host emulators:

Emulator	Versions Supported
Attachmate Extra!	X-treme 8.0 SP1, 2000, 6.5, 6.4, 6.3
Attachmate IRMA for the Mainframe	4.01, 4
Attachmate myExtra! Presentation Services	7.1, 7.0
Attachmate/WRQ Reflection	15.0, 14.0, 10.0, 9.0, 8.0, 7.0
BOSaNOVA TCP/IP	6.0, 5.0
Ericom PowerTerm Interconnect	9.1.0, 8.2.0
G&R Glink	6.0
Hummingbird Exceed	11.0, 10.0, 9.0
Hummingbird HostExplorer	11.0, 10.0, 9.0
IBM WebSphere Host On-Demand	10.0.03, 9.0, 8.0, 4.0
IBM Personal Communications	5.8, 5.6, 5.5, 4.3
Jolly Giant QWS3270 PLUS	4.4 SP5, 4.3 SP10
NetManage NS/ElitePlus for Mainframe	3.12
NetManage Rumba	7.5, 7.1, 6.0
Newhart Systems BLUES 2000	6.0.0.35
PuTTY	0.60
ScanPak (Eicon) Aviva	9.1, 9.0, 8.1
Seagull BlueZone	4.0, 3.4
Zephyr PASSPORT PC TO HOST	2005
Zephyr PASSPORT WEB TO HOST	2005

Supported Applications

ESSO-LM supports the following applications out-of-the-box:

Application	Versions Supported
Adobe Reader	9.1, 8.13, 6.0, 5.1, 5.05, 4.05
AIM (AOL instant Messenger)	6.9, 6.8, 5.5, 5.2
Citrix ICA Client / Program Neighborhood	0.200.2650, 9.15, 9.0
Entrust	7.0, 6.1, 6.0, 5.5, 5.0, 4.0
Eudora	7.1, 6.1, 5.2, 5.1.1, 5.0.2, 4.2
GoldMine	6.7, 6.5, 6.2, 5.7, 5.0, 4.0
ICQ	6.5.1, 2002a, 4.0
Lotus Notes	8.0.1, 8.0, 6.5, 6.0, 5.0
Lotus Organizer	6.1, 6.0, 5.0, 4.1
Lotus Sametime	8.0.2, 8.0
Meeting Maker	8.0, 7.3, 7.2, 7.1, 7.0, 6.0, 5.5.2
Microsoft FrontPage	2007, 2003, XP, 2000
Microsoft Outlook	2007, 2003, XP, 2000
Microsoft Word	2007, 2003, XP, 2000
MSN Messenger	9.0, 7.5, 6.2, 5.0
Novell Client	4.91 SP5, 4.91 SP4, 4.91 SP1, 4.90, 4.83
Novell GroupWise	6.5, 6.0, 5.5
Oracle	11g, 10g
Oracle ESSO-LM Administrative Console	11.1.1.2.0, 10.1.4.1.0 Fix Pack 6
PKZip	12.2, 12.1, 12.0, 11.2, 11.0, 10.0, 9.0, 8.0, 5.0
QuickBooks Pro (Password-Only)	2009, 2004, 2003, 2002, 2001, 2000
Sage ACT!	2009 (11.0), 6.0, 5.0, 4.0, 3.0
Siebel Sales CRM	8.1.1, 5.0
Skype	4.1
Windows Logon	8.0
WinZip	12.0, 11.2, 11.0, 10.0, 9.0, 8.1, 8.0, 7.0
Yahoo! Messenger	9.0, 5.6, 5.5

Technical Notes

The technical notes describe important technical information about this release.

Synchronization

Database support requires that client connectivity support be installed for the specific database(s).

Event Manager

The XML log file plug-in continually expands/appends file. The log file should be cleaned up periodically (from the user's AppData\Passlogix folder) if it is used as part of a solution.

Logon Support

Embedded browser support, such as from within Lotus Notes, requires that IE 6.0 be installed. It is not consistent with previous versions of the browser.

Under Windows Server 2003 (as well as Windows XP SP2), browser helper object support is (or can be) turned off; this security setting is no longer required to be on for ESSO-LM to function properly and can be turned off if it is no longer needed.

Backup/Restore

Conflicts may occur when using Backup/Restore functionality in conjunction with synchronizer usage. It is not suggested that a deployed solution utilize both mechanisms and that Backup/Restore only be used in Stand-alone installations.

Java Sun Plug-in Applets

The Java Applet using Java Sun Plug-in 1.1.3 must be clicked on before the Agent responds to it. The plug-in loads the JHO only after the user clicks into the applet UI.

Oracle JInitiator 1.1.8.X functions without this problem.

Citrix Published Applications Using SendKeys: Cannot Use 'Set Focus' Feature

When using SendKeys with Citrix published applications, the SendKeys 'Set Focus' feature cannot be used. The reason this feature cannot be used is because Citrix application windows are painted, so there are no controls on the window. In order for 'Set Focus' to function, it needs to reference a window's controls.

Citrix Published Applications: SendKeys Does Not Process 'Enter' or 'Tab' Properly

When setting up a Citrix published application using regular SendKeys with 'Enter' or 'Tab' characters in between each field, those characters are not processed correctly. They are processed in a random order.

The issue is that the separator characters submitted between fields (typically 'Enter' or 'Tab' characters) are not processed by the Citrix application in the correct sequence resulting in inconsistent behavior.

The solution is to modify the application template to add a delay between the fields. For example, if the current application template is configured like this:

[Username]
[Tab]
[Password]
[Tab]
[Enter]

delays should be added in between fields:

[Username]
[Delay 0.1 sec]
[Tab]
[Password]
[Delay 0.1 sec]
[Tab]
[Enter]

'End Program' Message Displayed

NetSoft's NS/Elite emulator causes ESSO-LM to display an 'End Program' message when logging off or restarting a machine. This behavior is only seen intermittently.

Clicking 'End program' may result in credentials not being cleaned up (if 'Delete Local Cache' is turned on in the Administrative Console).

Reflection 14 Sporadically Causes the Display of the ESSO-LM Password Change Dialog Box on a Logon Screen

ESSO-LM sporadically displays the Password Change dialog box on a Reflection 14 logon screen. If this dialog box displays, click the **Cancel** button and begin to enter text. The expected logon dialog box displays.

Configuring Java to Accept Application Credentials

The flags are located in HKLM\SOFTWARE\Passlogix\Extensions\AccessManager and are as follows:

JhoHierarchyProcessing

Determines which Java hierarchy events are recognized. Set the flag as follows:

HIERARCHY_EVENT_CHANGED = 0x1

The above value instructs the JHO to recognize all hierarchy events.

JhoEventWaitTimeout

Determines the event processing timeout for JHO controls (in milliseconds). The default value of 0 instructs the JHO to wait indefinitely.

JhoWindowEventProcessing

Determines which Java window events are recognized. This flag is a combination of the following values:

WINDOW_EVENT_OPENED = 0x1
WINDOW_EVENT_CLOSED = 0x2
WINDOW_EVENT_ACTIVATED = 0x4
WINDOW_EVENT_DEACTIVATED = 0x8
WINDOW_EVENT_CLOSING = 0x10
WINDOW_EVENT_ICONIFIED = 0x20
WINDOW_EVENT_DEICONIFIED = 0x40

By default, all window events are recognized.

JhoComponentProcessing

Determines which Java component events are recognized. This flag is a combination of the following values:

COMPONENT_EVENT_SHOWN = 0x1
COMPONENT_EVENT_HIDDEN = 0x2
COMPONENT_EVENT_ADDED = 0x4
COMPONENT_EVENT_REMOVED = 0x8

By default, all component events are recognized.

JhoInjectType

Determines the injection type used by the JHO to submit data to the controls. This flag takes one of the following values:

INJECT_TYPE_DEFAULT = 0
INJECT_TYPE_METHOD = 1
INJECT_TYPE_ACCESSIBLE = 2
INJECT_TYPE_NONACCESSIBLE = 3
INJECT_TYPE_ROBOT = 4

By default this flag is set to INJECT_TYPE_DEFAULT.

If you set JhoInjectType to INJECT_TYPE_DEFAULT, the JHO attempts injection using each of following methods, in the order shown, until injection is successful:

INJECT_TYPE_METHOD (if an appropriate set method had been found for the control)
INJECT_TYPE_ACCESSIBLE (if the control supports accessibility)
INJECT_TYPE_NONACCESSIBLE
INJECT_TYPE_ROBOT

For combo and list boxes, the JHO always uses INJECT_TYPE_METHOD.

Oracle recommends the following default settings on new installations of ESSO-LM:

JhoWindowEventProcessing=0x3
JhoComponentProcessing=0xB
JhoHierarchyProcessing=0x0

These values instruct the JHO to recognize the following events:

WINDOW_EVENT_OPENED (0x1)
WINDOW_EVENT_CLOSED (0x2)
COMPONENT_EVENT_SHOWN (0x1)
COMPONENT_EVENT_HIDDEN (0x2)
COMPONENT_EVENT_REMOVED (0x8)

Removing the ssolauncher/nossoshutdown Key from the Registry

1. Install SSO+NetworkProvider+msp and modify SSO Sens Svc to start automatically in Services.
2. Remove all ssoLauncher/ssoShell from
   HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon\UserInit and
   HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon\AppSetup
3. Change published Application command line to:
   "C:\Program Files\Passlogix\v-GO SSO\wts\ssolauncher.exe" /application
   "c:\WINDOWS\notepad.exe" /SSOSHUTDOWNSSOAUTH

4. Set Shell:LogonOnStartup to 1:
    In Administrative Console: End-User Experience\Response\Logon to waiting applications upon startup -> Logon At Startup.

Product Documentation

The following documentation supports this product:

- *ESSO-LM Installation and Setup Guide*
- ESSO-LM Administrative Console Help
- *ESSO-LM User Guide*