

**Oracle® Enterprise Single Sign-on  
Logon Manager**

Release Notes

Release 10.1.4.1.0

**E12636-01**

March 2009

Oracle Enterprise Single Sign-on Release Notes, Release 10.1.4.1.0

E12636-01

Copyright © 2006 - 2009, Oracle. All rights reserved.

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software--Restricted Rights (June 1987). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

# Table of Contents

Abbreviations and Terminology .....	2
Oracle Enterprise Single Sign-on 10.1.4.1.0.....	3
What's New in ESSO-LM 10.1.4.1.0 .....	4
New ESSO-LM User Interface .....	4
Administrative Improvements.....	4
Authentication .....	5
Response to Applications .....	6
Newly Supported Applications.....	9
Trace Controller Enhancements .....	9
What's Changed in ESSO-LM 10.1.4.1.0 .....	10
Resolved Issues.....	11
Open Issues .....	19
Hardware and Software Requirements .....	21
Supported Operating Systems .....	21
System Requirements .....	22
Other Disk Space Requirements.....	23
Memory Requirements (ESSO-LM Application + Operating System) .....	23
Processor Requirements .....	24
Software Prerequisites .....	24
Repositories.....	24
Browsers.....	25
Optional Software Support .....	25
Supported Emulators and Applications .....	26
Host Emulators .....	26
Pre-Configured Applications and Templates .....	27
Technical Notes .....	28
Product Documentation.....	32

## 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 Wizard
ESSO-AM	Oracle Enterprise Single Sign-on Authentication Manager
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
ESSO-PR	Oracle Enterprise Single Sign-on Password Reset

## Oracle Enterprise Single Sign-on 10.1.4.1.0

Oracle® is releasing version 10.1.4.1.0 of Oracle Enterprise Single Sign-on (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.

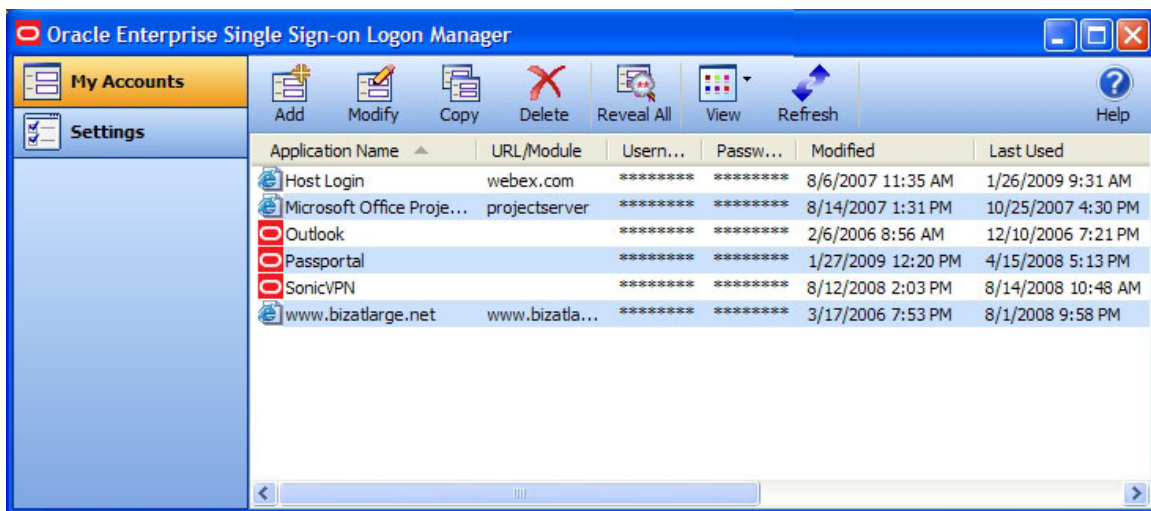
## What's New in ESSO-LM 10.1.4.1.0

The major new features of this product include:

### New ESSO-LM User Interface

#### Newly Designed Logon Manager

The newly-designed Logon Manager features convenient access to all user accounts and configuration options, including other Oracle product plug-ins, to manage everything from one comprehensive interface. The new Logon Manager integrates the previous Logon Manager User Interface with tabs for accounts, settings, and any Oracle installed plug-ins.



For information on this feature, refer to the ESSO-LM User Help.

#### Updated Change Password User Interface

The password change user interface now contains a Generate button that populates the New and Confirm Password fields with a randomly generated password that adheres to the password policy.

For information on this feature, refer to the ESSO-LM User Help.

#### Sorting Within Logon Chooser Dialog

The Logon Chooser can now be sorted by selecting any displayed column header.

For information on this feature, refer to the ESSO-LM User Help.

### Administrative Improvements

The following features have been implemented to enhance administrative control and supervision of ESSO-LM.

## **Avoid Sending Administrative Overrides for Certain Registry Keys**

Certain settings, such as server URLs, must not be overridden and are thus permanently excluded from administrative override objects.

For a complete list of settings that are excluded from being overridden, see the topic, *Overriding Settings: Registry Entries*, in the ESSO-LM Administrative Console Help.

## **Domain Password Validation for Credential Sharing Groups**

ESSO-LM now validates that the password entered for the first template created for a Credential Sharing Group is the domain password for Windows v2 Logon Method if the application is part of the domain credential sharing group.

For information on this feature, refer to the ESSO-LM Administrative Console Help.

## **Notification Service**

ESSO-LM and other ESSO-LM products now provide information to each other about ongoing processes so that they can take action depending on the status.

For information on this feature, refer to the ESSO-LM Administrative Console Help.

## **Authentication**

The following features allow the administrator to fine-tune the authentication process while adding reliability and flexibility.

### **Windows Logon v2 Enhancements**

#### **Passphrase Suppression Utilizing the Secondary Authentication API**

ESSO-LM offers the option to bypass an authenticator passphrase for the Windows Logon v2 Logon Method by silently returning the user System Identification (SID) to replace the user's answer.

For information on this feature, refer to the *ESSO-LM Installation and Setup Guide*.

#### **Configuring Visibility of Passphrase Change Option**

When authenticating via the Windows Logon v2 primary logon method, the user has the option to change the answer to his verification question. Administrators can now configure the availability of this option to the user in the global agent settings.

This setting is located in the Administrative Console under *Live > Primary Logon Methods > Windows v2 > Advanced > Passphrase: User can change passphrase*.

### **LDAP Authenticator to Active Directory Enhancements**

#### **Detection of Password Expiration and Request to Change Password**

LDAP Authenticator now detects when an Active Directory password has expired. Instead of presenting the user with a generic logon failure message, ESSO-LM displays a change password dialog box.

### **Authentication Failure Messages**

LDAP Authenticator now offers more informative messages indicating the nature of a logon failure when such a failure occurs.

### **Multi-Domain Support**

LDAP v1 Logon Method now supports multiple Active Directory domains.

### **Share Authenticator Credentials with Synchronizer**

In order to eliminate double authentication for accounts whose synchronization and authentication credentials are the same, ESSO-LM now has the ability to share authentication credentials with synchronizers.

This setting is located in the Administrative Console under Live > Primary Logon Methods > LDAP > Advanced > Share credentials with synchronizers.

## **Response to Applications**

The following features enhance ESSO-LM response to applications and simplify end user experience while enforcing administrative policies.

### **Enhanced Java Support**

ESSO-LM now offers automatic, intelligent discovery and configuration of Java support across all installed Java Runtime Environments.

### **Multilanguage Support for Basic and Network Authentication**

ESSO-LM now supports basic authentication in Internet Explorer, and network authentication for all supported non-Asian languages, by adding each language configuration to the applist.ini.

### **Prevention of Logon Loop**

A new setting prevents a logon request for the same application after logoff, if the logoff takes the user back to the logon screen. The setting allows the administrator to specify a grace period during which logon loop is prevented.

For information on this feature, refer to Logon Loop Grace Period in the ESSO-LM Administrative Console Help.

### **Support for Dynamic Web Pages Containing AJAX**

A new setting allows administrators to specify dynamic content Web pages that do not fully initialize before ESSO-LM attempts to respond to them, or whose content may change during user interaction. This feature specifically targets pages that have scripts written in AJAX.

This setting is located in the Administrative Console under Global Agent Settings > Live > End User Experience > Response > Web Apps.



## Ability to Make the Browser Scroll and Set Tab Movement

New settings in the Administrative Console's Web application screen allow the administrator to specify that ESSO-LM should:

- Bring the tab that contains the logon to the front in a browser with multiple tabs; and
- Automatically scroll to the portion of a Web page that contains the logon form.

This setting is located in the Administrative Console under Global Agent Settings > Live > End User Experience > Response > Web Apps.

## Customized Handling of Predefined Web Applications

### Limit Users to Pre-Defined Web Applications with Exceptions

Administrators can now specify a set of URLs (in the form of regular expressions) to which ESSO-LM automatically responds, while ignoring all other non-pre-defined Web applications.

This setting is located in the Administrative Console under Global Agent Settings > Live > End User Experience > Response > Web Apps > Allowed Web Pages.

### Allow Manual Addition of Logons When Limited to Predefined Web Applications

Administrators can give users the ability to manually add logons that are not in the pre-defined application list.

This setting is located in the Administrative Console under Global Agent Settings > Live > End User Experience > Response > Web Apps > Limit user to predefined Web apps.

## Internet Explorer Modal Dialog Support

A new Web application setting configures ESSO-LM to recognize modal dialogs in Internet Explorer.

This setting is located in the Administrative Console under Global Agent Settings > Live > End User Experience > Response > Web Apps > Respond to IE Modal Dialogs.

## Logon and Password Change Handling

### Logon and Password Change on Same Screen

ESSO-LM has the ability to detect logon and change password fields on the same screen. A new dialog box will prompt the user to choose which field to react to.

This feature is designed for all applications but currently is supported for Web and Windows only, as explained in the [Open Issues](#) section of this document.

For information on this feature, refer to Password Change settings in the ESSO-LM Administrative Console Help.

### Logon and Password Change on Different Tabs

ESSO-LM supports logon and change password screens on different tabs of the same Windows application dialog box. When the user selects the alternate tab, ESSO-LM responds as it would to an entirely new window.

For information on this feature, refer to Password Change settings in the ESSO-LM Administrative Console Help.

### **Detect Password Change Success or Failure**

You can now configure ESSO-LM to detect password change success or failure automatically, for any application that provides such indication, without any user interaction.

For information on this feature, refer to the Form Wizard topics in the ESSO-LM Administrative Console Help.

### **Support for New and Confirm Password Fields on Different Windows**

ESSO-LM now supports Windows and Java applications that display the New Password and Confirm Password fields on different windows.

For information on this feature, refer to the Form Wizard topics in the ESSO-LM Administrative Console Help.

### **Detection of Mainframe Variable Field Position**

You can now configure ESSO-LM to search for dynamic text appearing before credential fields in mainframe applications to determine the correct location to inject credentials.

For information on this feature, refer to Host Form Wizard in the ESSO-LM Administrative Console Help.

## Newly Supported Applications

The following applications are supported in ESSO-LM 10.1.4.1.0:

- PuTTY v0.60 non-HLLAPI based scrolling screen application that presents the user name, password, etc. one at a time.
- Newhart Systems BLUES 2000 mainframe application
- Jolly Giant QWS3270 PLUS v4.4 mainframe application

## Trace Controller Enhancements

The following capabilities have been added to the Trace Controller utility:

- Extended capability to LDAP Synchronization
- Extended capability to Java Helper
- Ability to receive MHO Logging
- More descriptive messages
- Ability to filter logs
- Start event logging during Windows boot-up and before the user logs on
- Append information to a log file
- Change view font
- Start and stop logging with a hot key
- Indication that logging is enabled
- Customizable time display format
- Display a list of logs that have been opened
- Display information about the process that generated the event in the properties window, including the process name and command line, and the ability to navigate to the process event by clicking on the process ID.

## **What's Changed in ESSO-LM 10.1.4.1.0**

### **Updated Versions of Supported Applications**

ESSO-LM has updated support for the following application versions.

- IBM Lotus Notes 8.0.1
- Mozilla Firefox 3.0

### **Predefined Templates Are Not Bulk-Added by Default**

Administrators can specify applications for which users can populate their credentials during First Time Use (FTU). By default, all predefined application templates are not configured to do so.

### **Network Provider Support Extended to Windows XP and 2000**

The Windows v2 Logon Methods now include the Network Provider. This option prevents users from having to perform double authentication when logging onto the machine, unlocking their desktop, or changing their Windows password. ESSO-LM continues to support Network Provider for Windows Vista.

### **Backup/Restore Wizard Removed**

The Backup/Restore Wizard has been removed from ESSO-LM. This functionality continues to be provided through the command line.

For more information see the Backup and Restore topics in the ESSO-LM Administrative Console Help.

## 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
a9010	It was possible to open multiple instances of the Logon Manager.
a9654	In the Add New Logon Wizard, if a user clicked the Back button after filling in the third or fourth field and then proceeded to finish the wizard, the field information was not saved.
a9873, s4285	The Agent did not synchronize with the repository after the user disabled a Windows application.
a10094, s4479	ESSO-PG caused a delay in loading ESSO-LM on system startup.
s10122, s4473	The Ignore match function failed to differentiate a non-logon window from a logon window.
a10130	Users were unable to enter double-byte characters in the third or fourth fields.
a10245, s4464	The Agent failed to inject all credentials and submit to an application.
a10249, s4183	The ssojho.dll caused the Agent to behave erratically when entering information for a Web application.
a10337, s4539	The Agent did not respond to certain Web applications.
a10409, s4550	The Agent did not recognize the Home key command within a mainframe template.
a10410, s4307	The Agent caused certain applications to cease responding.
a10416, s4604	Non-administrative domain users were able to create active domain users within the ou=People container in Active Directory.
a10431, s4515	The Agent mistakenly performed an auto-submit on an application after the application was renamed in the Logon Manager.
a10481, s4526	The existing credentials for unknown web pages stopped being submitted after an administrator disabled the Allow Unknown setting.
a10483, s4608	A telnet application did not appear correctly after being added to the Exclude list.
a10538, s4558	The Agent terminated unexpectedly after credentials were submitted to applications on all platforms when using SendKeys using Journal Hook.
a10623, s4709, s4796	The Agent intermittently stopped responding to Internet Explorer Web pages, causing the browser to stop responding as well. This occurred most

Tracking Number	Description of Issue
	frequently after submitting credentials.
a10626, s4111, s4536, s4648	Share Credentials with Primary Logon Method only worked for accounts with administrative privileges. Non-administrative accounts were prompted to authenticate multiple times. Also, when using local computer credentials to synchronize, the Agent could not share the credentials and caused an error message to display.
a10629, s4648	The Agent did not support LDAP v1 authentication to an AD domain when the workstation was outside the domain.
a10682	Uninstalling the ESSO-LM GINA resulted in the uninstallation of the ESSO-PR GINA.
a10685, s4066	It was possible to cause the Agent to insert credentials to a Web application in plain text if the user navigated away from the Web page before the Retry Logon dialog box launched.
a10754, s4423	The Agent did not respond to a configured Web application when the user was offline.
a10755	The Retry Logon dialog box terminated unexpectedly if the command prompt was launched during the wizard's operation.
a10761	A Trace Log error message appeared if the user attempted to capture events in real-time with a log file open.
a10783, s1496	A constraint error violation occurred when the username in an existing template was changed.
a10785, s4570, s4821, s4890, s4948, s4959, s5021, s5105	An ssoshell.exe synchronization process sporadically used nearly 100% of CPU time and did not exit.
a10786, s4833	The Agent failed to connect to IBM Tivoli Directory Server with anonymous access disabled.
a10787, s4756	The Agent responded to Host/Mainframe applications even after disabling the setting for Host/Mainframe support in the Administrative Console.
a10788, s4907	The primary logon method did not work for LDAP in SSL mode.
a10789, s5038	Using Oracle Internet Directory, users could not write Objects to the People container.
a10790, s4726	TraceController.exe caused a browser to terminate unexpectedly when capturing events at the "Debug" level.
a10791	Support for v-GO Shared Accounts Manager has been added to the Agent.

Tracking Number	Description of Issue
a10871	The Administrative Console terminated unexpectedly when the user toggled to conceal anchor tabs, then tried to scroll in the empty space, while setting up a Web template.
a10873	Windows Event Viewer settings did not accept localhost as the event server.
a10883	For an existing Windows application template, selecting "Use ordinals instead of Control IDs" in the Fields tab of the Matching Wizard cleared the previously assigned matches.
a10892	The Administrative Console incorrectly identified the name of a logon form for certain Web sites.
a10893	The Administrative Console incorrectly identified the type for the <button> tag for certain Web sites.
a10894	The Agent failed to detect Web pages with field names that contained a comma.
a10896, 10897	Mozilla Firefox did not respond to a Web site when the HTML markup was incorrect and any or all of the credential fields or the submit field had no name.
a10897	When the HTML markup of a web page is incorrect ssomozho does not respond to the web page.
a10900, s4636	The Agent did not recognize special German characters on Windows 2000 workstations, and prevented user authentication.
a10905	The Administrative Console determined ordinal fields inconsistently.
a10906	Mozilla Firefox did not respond to a web template when using ordinals when the web page had no forms and contained only <input> fields.
a10911	TraceController did not work with Windows 2000.
a10912	WinAuth locked the user out of AD Sync when sharing credentials with LDAP Auth.
a10917, s4566	An LDAP Sync search using a bind account did not unbind the search account.
a10922	Windows Form Wizard did not highlight SAP fields.
a10928, s4948	With the mainframe helper object (ssomho.exe) running, the Agent did not Auto Enter credentials after a logon was created. The user was required to redisplay the logon page.
a10929, s5109, s5130, s5132,	The Agent erroneously reacted to undefined Web logons with the Limit user to predefined Web apps setting turned on after installation of Rollup E Fix

Tracking Number	Description of Issue
s5138	Pack 7.
a10933, s5083	"Registry is disabled" error message displayed during Backup/Restore when the administrator disabled registry editing through a policy.
a10934, s5052	Web pages did not immediately respond to the user following a password change when using ESSO-PG.
a10935, s4857	The Agent responded very slowly to Web applications with a large cumulative number of URL matches in Web templates. Performance varied depending on the capacity of the workstation.
a10939	The Reference field for a template did not get updated if the template was originally created with a blank Reference field and subsequently updated.
a10940	The Edit button was disabled for Java or Java applet templates that were set up using SendKeys.
a10946, s5141	SendKeys did not work correctly for a password change.
a10969	The Agent did not recognize a correct password entry after an initial incorrect password entry on the LDAP synchronization dialog box.
a10979	The Administrative Console returned an error message after importing a template with an empty title bar from an .INI file.
a10990	The Administrative Console did not prompt the user to save changes when the SendKeys Delay character value was changed.
a10994	The red border appeared around Web fields although auto-recognize was turned off and the Agent did not fill credential fields.
a11006, s5269	After installation of Rollup E Fix Pack 9, the Agent did not launch in Windows 2000 on a workstation using LDAP synchronization.
a11026	The Agent caused a 100% spike in CPU usage when the Wait for synchronization at startup setting was turned off while performing an ADAM synchronization.
a11034	Drag-copying an .xml file to the Administrative Console overwrote the existing .xml file without prompting the user to save.
a11035	Disabling and reenabling a host application caused a delay in the Agent's response.
a11039, a11134, s4943	ESSO-LM did not inject the third or fourth field configured for a Change Password form in a Web template.
a11041	When multiple forms were used to define fields within the same Windows application template, not all fields were available in the Add New Logon



Tracking Number	Description of Issue
	dialog box.
a11042, s4363	Default Domain Credentials Sharing did not work in any language other than English.
a11047, s3812	ESSO-LM failed to create a template for a password change in a Windows application because the Administrative Console could not detect the module name of the Password Change Window.
a11059	The "Scroll into view" and "Activate tab" keys did not work for a Web site.
a11060	Java Application fields were not highlighted in the Matching or SendKeys wizards.
a11113, s5400	A template using ordinals that was created through the Wizard worked inconsistently.
a11118	In Japanese Windows, the Korean and Japanese versions of the Agent displayed the window name incorrectly.
a11119	The Agent did not respond to a command prompt in Windows Vista.
a11123	The non-English Web Viewer installers listed NewFeature1 in the installation options.
a11174	ESSO-LM recognized a Change Password form as a Logon form when multiple SAP forms were defined in the Administrative Console.
a11175, s4537, s4662	The Agent did not recognize multiple sessions of SAP applications.
a11176, s4772	The Agent did not disconnect completely from SAP, causing erratic behavior.
a11182	The Administrative Console did not prompt the user to save changes before closing when the Synchronization order was changed in Global Agent Settings..
a11192	Direct credential injection did not work for the third or fourth fields.
a11194	On a Password Change form, direct credential injection did not work for the old password, new password, or confirm new password fields.
a11205	"Quietly Changed Password" worked only for the initial password change. Subsequent attempts did not result in a password change.
a11246	The BHO terminated unexpectedly with resolved logs.
a11252, s4989	With ESSO-PG running, ssoshell.exe terminated unexpectedly and spawned new processes.

Tracking Number	Description of Issue
a11254, s4575	Support has been added for sharing credentials between the synchronizer and the LDAP Logon Method in Windows 2000.
a11270, s5320, s5360	There was a delay in loading the Agent when the user was not connected to the internet.
a11271, s4837, s4963, s5153	Some Java applications did not accept credentials entered by the Agent. See the Technical Notes for more information.
a11272, s5108, s5188	Users occasionally received the message, "The application failed to initialize because the Windows station is shutting down," during shutdown or logoff.
a11275, s5002	In the Japanese version of the Agent, the text in the Retry Logon dialog box and the Submit button in the Change Password dialog box was incorrect.
a11303, s5422	The Agent did not retain the custom third field label when a Change Password form was also part of the application template.
a11311, s5259	Java application and applet templates that were set up using SendKeys could not be edited.
a11337	A logon created with the Learning Tool caused the Logon Chooser to launch, prompting the user to choose from all Windows applications currently in the Logon Manager.
a11338, s5001	The Agent sporadically injected the user's password into the URL field of Web applications when the user began another activity before credential injection was completed.
a11339, s5423	The Agent was unable to submit the injected credentials for Web applications that disable the submit button until a key is pressed within the password field.
a11340, s5453	The Agent sporadically caused browser windows to cease responding.
a11343, s5207	The third and fourth fields in the Retry Logon dialog box were masked when configured to display.
a11357, s5560	The Agent recognized a Change Password screen as a Logon screen under certain conditions when the application window titles were the same.
a11364	The Agent did not respond to Java applications whose templates were configured to use matching.
a11370	When using Mozilla Firefox, the Agent did not respond to some Web applications whose templates were configured to use matching.
a11465	The Security tab of the Administrative Console displayed an incorrect default server.
a11508	The Agent responded to a Web application that was not predefined although

Tracking Number	Description of Issue
	it had been set to Limit to pre-defined Web applications.
a11555, s5333	The Agent recognized a Change Password screen as a Logon screen under certain conditions when the application window titles were the same.
a11557, s5532	The Agent waited 10 to 15 seconds before injecting credentials into an application following creation of a new logon.
a11558, s5498	The Administrative Console did not detect any fields during the creation of a Web template.
a11559, s5534	The Agent terminated unexpectedly when using Send Keys to inject a credential selected from the Logon Chooser.
a11560, s5275	A Java application template could not be created for an application using a non-standard control for the user name.
a11561, s5250	A Web application password change form detected third and fourth fields but did not inject credential into those fields.
a11653, s5528	After a Windows logon, the Agent intermittently did not respond to applications. If the user closed the Agent and restarted it, the Agent responded. This occurred following installation of Rollup F Fix Pack 5.
a11683, s5734	The BHO caused a spike in CPU usage.
a11684, s5762	Web templates created in ESSO-LM 10.1.4.0.2 did not work correctly in ESSO-LM 10.1.4.0.5.
a11685, s5397	<p>The Agent did not launch properly when using the /application parameter (such as /ssoshutdownssoauth/application), with /startssso. This created problems with the Citrix environment and network provider, when published applications were running remotely and the Agent had to be invoked for each instance.</p> <p>If you are in a Citrix environment, you must manually remove the ssolauncher /nossoshutdown key from appsetup (and userinit, if the entry exists) from the registry.</p> <p>See the <a href="#">Technical Notes</a> for detailed instructions.</p>
a11710, s5192	An SAP form added in the Administrative Console did not display the window or controls.
a11802	In some foreign language versions of the Agent, a password change that was initiated using Ctrl+Alt+Del, or through the AD Administrative Console, did not update in the Domain Credential Sharing Group.
a11803, s5389	A Java application ceased working when Java resources for the application were depleted.

Tracking Number	Description of Issue
a11883, a12370, s6042	When using Network Provider with synchronization, the user received an erroneous message that his password had been changed and a request for the new password.
a11907	The Agent did not enter credentials for a Java applet when the user selected "Logon using" from the tray icon with Auto-Recognize turned off.
a11948	An overwrite question appeared at the command prompt when the user attempted a credential backup in Windows Vista.
a12023	During a logon attempt using cached credentials, the resulting LDAP Auth dialog box was not in focus. It was necessary to click on the dialog box before entering the password.
a12220	Selecting Reveal All caused the Logon Manager to drop to the background briefly.
a12391	The highlight field boxes around text fields remained when the authentication grade was not matched.
a12513	A Web application password change form detected third and fourth fields but did not inject credential into those fields.
a12620, s5273	The Agent responded inconsistently to certain Web applications.
a12711	A Java Program ceased responding while the Agent was running.
a12928	Incorrectly authenticating to LDAP through SSL and then authenticating correctly caused the CPU usage to spike to 100%.

## Open Issues

This section describes issues that remain open in this release.

Tracking Number	Description of Issue
a11636	<p>The Agent fails to launch after FTU Wizard completion when using the Windows Logon v2 Primary Logon Method.</p> <p>To work around this issue, launch the Agent manually.</p>
a11909	<p>The Agent is unable to auto-recognize certain pages that update content dynamically with Java script.</p>
a12748	<p>It is not possible to install ESSO-LM from a .msi on Windows Vista with the User Access Control (UAC) enabled.</p>
a12771	<p>Switching between encryption methods while simultaneously changing authentication methods may corrupt credentials.</p> <p>This scenario contradicts our suggested Best Practices and should be avoided.</p>
a12781	<p>The Agent does not offer to remember credentials for a host or mainframe application when the Auto-Prompt setting is disabled and the user selects "Log On Using ESSO-LM" from the system tray menu.</p> <p>There is no workaround for this issue.</p>
a12813	<p>Mozilla Firefox version 2.0 intermittently terminates unexpectedly.</p> <p>Oracle recommends upgrading to Firefox version 3.0 in the event that you experience this issue.</p>
a12863	<p>The Administrative Console terminates unexpectedly in various scenarios.</p> <p>There is no workaround for this issue. Restart the Administrative Console in the event of unexpected termination.</p>
a12883	<p>The password verify popup dialog box instructs the user to click the <b>OK</b> button when it should instruct the user to click the <b>Finish</b> button.</p> <p>To work around this issue, click the <b>Finish</b> button.</p>
a12952	<p>The user is not prompted to authenticate following an "Export Apps to Agent" command when using WinAuth v1. The Agent shuts down for the export and restarts without requiring reauthentication.</p>
a12978	<p>The Action Chooser dialog box does not launch for a screen that includes both Logon and Password Change fields when using Mozilla Firefox.</p> <p>There is no workaround for this issue.</p>
a12987	<p>When using the Password Change dialog box, the Agent does not submit credentials to a host application following a complex password change. If the New and Confirm</p>

Tracking Number	Description of Issue
	<p>New Password fields are on the same coordinates, the credentials are injected to the application but the Enter key is not pressed. This issue does not occur when using password change in Silent mode.</p> <p>To work around this issue, manually click the Enter key on the host application.</p>
a12994	<p>The Logon and Password Change on Same Screen feature is not supported for host or mainframe applications in this release. This feature is currently supported for Windows and Web applications, and will be supported for host and mainframe applications in Fix Pack 1.</p>
a12995	<p>During the Logon Loop Grace Period, the error loop injection counter increments in certain scenarios, ultimately causing the launch of the Logon Error dialog box.</p> <p>To work around this issue, click <b>Cancel</b> when the Logon Error dialog box presents your credentials. ESSO-LM will no longer launch the Logon Error dialog box for that application during the Logon Loop Grace Period.</p>
a13001	<p>After upgrading to ESSO-LM 10.1.4.1.0, it is possible that you will encounter a logon error the first time you log on to existing applications. If you are installing ESSO-LM for the first time (not upgrading) you will not encounter this issue</p> <p>To work around this issue, click <b>OK</b> when the Logon Error dialog box presents your credentials. ESSO-LM will log you on.</p>
a13028	<p>The Agent might not respond to basic authentication popup windows that were set up using the predefined template for Microsoft Outlook 2003 in Windows XP.</p> <p>To work around this issue, manually edit the Outlook template to use regular expressions.</p>

## 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® 2000	SP4
Microsoft Windows XP Professional	SP3, SP2
Microsoft Windows Server 2003	SP1
Microsoft Vista	Business Edition, v2
Microsoft Windows Server 2008	Enterprise Edition

## 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	40 MB	40 MB	2 MB / user
EXE	40 MB	60 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: 20 MB hard drive space (if not present)
- Microsoft Visual C++ 2008 Redistributable vc\_redist\_x86.exe: requires 6 MB hard drive space

### ***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:
  - o Providing custom applications and SSO agent configurations.
  - o Deactivating some options or components (i.e., different authenticators) before the end users install the Agent themselves.
  - o 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

**Note:** 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 SQL Server	2000
Novell eDirectory	8.8 SP1
Open LDAP Directory Server	2.2, 2.0.27
Oracle Database Management System	10g
Oracle Internet Directory	10.1.4.0.1
Siemens DirX Directory-NEW	8.0
Sun Java System Directory Server	5.2, 5.1

## Browsers

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

Browser	Versions Supported
Microsoft Internet Explorer	7, 6 SP1
Mozilla Firefox	3.0, 2.0

## 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.  
oPlease 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 MetaFrame/Presentation Server

- Citrix Metaframe support requires Metaframe XP Feature Release 3.
- Citrix Presentation Server support requires Presentation Server version 4.5.

### SAP

- SAP support requires version 7.1, 7.0, 6.40, and 6.20 patch level 23.

## Supported Emulators and Applications

### Host 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 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
GLink	6.0,
Hummingbird Exceed	11.0, 10.0, 9.0
Hummingbird HostExplorer	11.0, 10.0, 9.0
IBM WebSphere Host On-Demand	9.0, 8.0, 4.0
IBM PCOM	5.8, 5.6, 5.5, 4.3
Jolly Giant QWS3270 PLUS-NEW	4.4 SP5, 4.3 SP10
Irma for the Mainframe	4
NetManage NS/ElitePlus for Mainframe	3.12
NetManage Rumba	7.5, 7.1, 6.0
Newhart Systems BLUES 2000-NEW	6.0.0.35
Novell LAN Workplace Pro	6.2, 5.2, 5.1
PuTTY-NEW	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

## Pre-Configured Applications and Templates

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

Application	Versions Supported
Act	6.0, 5.0, 4.0, 3.0
Adobe Reader	6.0, 5.1, 5.05, 4.05
AIM (AOL Instant Messenger)	5.5, 5.2
Citrix ICA Client / Program Neighborhood	9.15, 9.0
Entrust	7.0, 6.1, 6.0, 5.5, 5.0, 4.0
Eudora	6.1, 5.2, 5.1.1, 5.0.2, 4.2
GoldMine	6.5, 6.2, 5.7, 5.0, 4.0
ICQ	2002a, 4.0
Lotus Notes	8.0, 6.5, 6.0, 5.0
Lotus Organizer	6.1, 6.0, 5.0, 4.1
Lotus Sametime	8.0
Meeting Maker	8.0, 7.3, 7.2, 7.1, 7.0, 6.0, 5.5.2
Microsoft FrontPage	2003, XP, 2000
Microsoft Outlook	2003, XP, 2000
Microsoft Word	2003, XP, 2000
MSN Messenger	7.5, 6.2, 5.0
Netscape Mail	7.1, 7.0
Novell Client	4.91 SP1
Novell GroupWise	6.5, 6.0, 5.5
Oracle	10g
PKZip	8.0, 5.0
QuickBooks Pro (Password-Only)	2004, 2003, 2002, 2001, 2000
Siebel Sales	5.0
Visual SourceSafe	2005, 6.0
Windows Logon	8.0,
WinZip	9.0, 8.1, 8.0, 7.0
Administrative Console	10.1.4.0.5
Yahoo! Messenger	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.

### BHO May Prevent Windows Explorer Taskbar Button from Functioning Properly

**Note:** This issue occurs on Windows 2000 only.

BHO may prevent explorer windows taskbar button functionality from working properly. When right-clicked, none of the options that appear in the taskbar button menu will respond when clicked. This issue only occurs when the explorer window is open in the foreground. When the window is minimized, the taskbar button functionality works as expected.

### 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.

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

## Using the Hidden Window Utility

For information on using the Hidden Window Utility, which is located in the Utility folder on the CD, refer to the online documentation center:

<https://extranet.Oracle.com/Default.aspx?tabid=158>.

## 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

**Note:** 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*