

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

Installation and Setup Guide

Release 11.1.1.5.0

E20998-01

March 2011

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Abbreviations and Terminology

Following is a list of commonly used abbreviations and terminology.

Abbreviation or Term	Full Name
Administrative Console	ESSO-LM Administrative Console
Agent	ESSO-LM Agent or Logon Manager
FTU	First Time Use Wizard
Microsoft AD	Microsoft Active Directory
Microsoft ADAM	Microsoft Active Directory Application Mode
LDAP	Lightweight Directory Access Protocol
ESSO-Anywhere	Oracle Enterprise Single Sign-on Anywhere
ESSO-LM	Oracle Enterprise Single Sign-on Logon Manager
ESSO-PG	Oracle Enterprise Single Sign-on Provisioning Gateway
ESSO-PR	Oracle Enterprise Single Sign-on Password Reset
ESSO-UAM	Oracle Enterprise Single Sign-on Universal Authentication Manager

About this Guide

This guide provides information about installing and setting up Oracle Enterprise Single Sign-on Logon Manager (ESSO-LM) and the various product components.

Audience

This document is intended for experienced administrators who are responsible for the planning, implementation, and deployment of ESSO-LM. This document provides step-by-step instructions for installing and configuring the ESSO-LM Administrative Console and the ESSO-LM Agent.

Administrators are expected to understand single sign-on concepts, such as password policies, logon methods, credential-sharing groups, and application configuration. They should be familiar with configuring directory servers, databases, and repositories. Persons completing the installation and configuration procedure should also be familiar with their organization's system standards. Readers should be able to perform routine security administrations tasks.

Recommended Reading

Best Practice Guides

Oracle highly recommends that you read the following Best Practice guides, available in the [Oracle online documentation center](#), before beginning the installation process:

- *Deploying ESSO-LM using Active Directory (or ADAM or LDAP, depending on your repository)*
- *Configuring the ESSO-LM Agent*

These Best Practice Guides will familiarize you with the recommended preparation and deployment steps, as well as advise you how to avoid short- and long-term problems. By following the recommendations in these and other ESSO-LM Best Practices series guides, you will implement an optimal ESSO-LM configuration.

Oracle Enterprise Single Sign-on Suite Plus Release Notes

The *Oracle Enterprise Single Sign-on Suite Plus Release Notes* provide important information about the release, such as new features, resolved issues, open issues, and hardware and software requirements. The information in the release notes supplements and supersedes information in the related product documents. It is very important that you read the release notes carefully before installing the product.

About ESSO-LM

ESSO-LM provides users with one password to log on to every application on both the company network and the Internet. It works "out-of-the-box" (without programming or additional network infrastructure) with virtually any Windows, Web, proprietary, and host-based application, lowering IT and Help Desk costs without the expense and burden of integration.

ESSO-LM is intelligent agent software that works by responding to logon requests on behalf of the user, directly from the desktop. The Agent responds to each software application's logon request by providing the correct credentials (that is, username/ID, password, and other fields) directly and automatically. A strong authentication mechanism controls access to the Agent, ensuring access by only the designated user.

Feature	Benefits
Single Sign-on	Provides one password to log on to networks, applications, and Web sites.
Authenticator Choice	The ESSO-LM Authentication Manager module supports the use and prioritization of multiple authenticators, including standard password methods and several strong authentication methods designed to strengthen user access security, such as smart cards, proximity cards, and tokens.
Strong Authentication	The Oracle Enterprise Single Sign-on Suite includes ESSO-UAM, which replaces passwords used for user network authentication with many different strong authentication methods. Tight integration enables ESSO-LM to leverage the power and versatility of ESSO-UAM, which currently supports a wide variety of smart cards, proximity cards, and tokens, along with biometric fingerprint and BioAPI-compatible authentication methods.
Mobility Support	Users can log on from any workstation and use their ESSO-LM credentials via directory servers, database systems, file systems, and Windows Roaming Profiles. (Authentication Manager users can log on using smart cards.)
Workstation Sharing	Multiple users can share the same workstation.
Kiosk Security	Kiosk Manager gives administrators control over user sessions in a kiosk workstation environment. This solution provides user identification to the kiosk by prompting users to log on with a Windows password or any supported primary authenticator.
Automated Password Change	Users can choose a new password or the Agent can select one automatically using approved password rules (Password Policies).
Event Logging	Automatically log events such as logons, password changes, and so on.
Credential Capture	Configure templates to capture users' credentials as they enter them in the applications' native logon windows. There is no learning curve for end-users; you can configure this process to be completely transparent.
Credential Sharing	Multiple applications can share the same credentials.
Central Administration	All configurations and settings are centrally manageable via the ESSO-LM Administrative Console.
Automatic Backup/Restore	Automatically back up user credentials to a remote location including a directory server, relational database, or file system, and automatically restore user credentials after a system crash.

Feature	Benefits
User Configuration of Logons	In addition to logons predefined by the administrator, users can add individual logons that they may have to other applications and Web sites.
Customization	Many aspects of the user experience, including user setup, are customizable to tailor the product to the security needs of the organization and technical sophistication of the user population.
Secure Architecture	The Agent is designed to be highly secure, including allowing the Administrator to prevent revealing of any passwords, calling modern encryption algorithms, and using tamper-resistant modules.

Oracle Suite Integration

The ESSO-LM Administrative Console is the core of Oracle Enterprise Single Sign-on Suite Plus. For increased security and precision in managing your enterprise's single sign-on and strong authentication requirements, Oracle Enterprise Single Sign-on Provisioning Gateway (ESSO-PG) and Oracle Enterprise Single Sign-on Universal Authentication Manager (ESSO-UAM) offer the following benefits:

- **ESSO-PG.** Provides an administrator with the ability to manage a user's ESSO-LM ID and password automatically, using a provisioning system. An administrator is able to add, modify, and delete IDs and passwords for particular applications within the provisioning system and have the changes reflected in ESSO-LM. From the provisioning system, all usernames and passwords inside of ESSO-LM can be deleted so that a user's access to all protected applications is eliminated.
- **ESSO-UAM.** Enables enterprises to replace the use of native password logon to Microsoft Windows and Active Directory networks with stronger and easier to use authentication methods. The ESSO-UAM system also enhances enterprise security beyond traditional password authentication by providing two-factor authentication methods. ESSO-UAM enables users to rapidly and securely enroll credentials that will be used to identify and authenticate them. ESSO-UAM offers four built-in and configurable authentication methods: smart cards, passive proximity cards, biometric fingerprint, and other biometric technologies compatible with the BioAPI standard. Native Windows Passwords are also supported.

Additional Oracle Enterprise Single Sign-on Suite Plus Products

To enhance administrative productivity and minimize help-desk calls, Oracle Enterprise Single Sign-on Suite Plus offers these additional options:

- **Oracle Enterprise Single Sign-on Suite Plus Reporting.** Provides organizations with the ability to 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. Reporting includes a Web-based administrative console that accesses the SQL database and generates reports using the event records.
- **Oracle Enterprise Single Sign-on Password Reset (ESSO-PR).** Enables workstation users to reset their own Windows domain passwords without the intervention of administrative or help-desk personnel. ESSO-PR provides end users with an alternative means of authenticating themselves by taking a quiz comprising a series of passphrase questions. Each question is weighted with point-values. As the end user answers the quiz questions, ESSO-PR keeps a running score. Points are added to the score for each correct response and points are deducted for each incorrect response. When the end user accumulates sufficient points to meet a preset "confidence level," ESSO-PR permits the end user to select a new password. If

the end user's score does not achieve the required confidence level after all questions have been presented, or if it falls below a preset negative value, the quiz ends and the end user is not permitted to reset the password. The reset service is available to each end user after completing a one-time enrollment interview to record passphrase answers. The ESSO-PR Management Console provides easy configuration of the enrollment interview and reset quiz, including question text, point-values, and confidence level limits.

To learn more about all Oracle Enterprise Single Sign-on Suite Plus products, refer to the [Oracle online documentation center](#).

Installation Overview

The following is a brief overview of the procedures that you must follow in order to successfully install and configure ESSO-LM.

If this installation is an upgrade, please refer to the [Upgrading from Previous Versions](#) section.

The installation process consists of:

Pre-Installation

- If you are installing on a 64-bit operating system, see the [Installation on a 64-bit System](#) section.
- If this is a silent installation, see the [Prerequisites for Unattended \(Silent\) Installations](#) section.
- Review the [What's in the Zip File](#) section.

Installation

- [Install the ESSO-LM Administrative Console.](#)
- [Install the ESSO-LM Agent.](#)

Post-Installation

- Configure Kiosk Manager if applicable.
- Configure your repository.
- Configure the Agent.
- Configure authenticators.
- Create templates.
- Package MSI.

See [After You Install](#) for a list of guides to help with post-installation tasks.

ESSO-LM Zip File Contents

The contents of the ESSO-LM zip file are as follows:

- **Documentation.** Contains the documentation set for the ESSO-LM release. See the [online documentation center](#) for in-depth Best Practice and How-To Guides, and the latest documentation updates.
- **ESSO-LM Administrative Console.exe and msi.** The two ESSO-LM Administrative Console installer files. You can use the MSI if you want to create a customized installation.
- **ESSO-LM.exe.** The 32-bit ESSO-LM Agent executable installer that allows you to select the language of the installation.
- **ESSO-LM.msi.** The 32-bit, English-only ESSO-LM Agent installer.
- **ESSO-LMx64.exe.** The 64-bit ESSO-LM Agent executable installer that allows you to select the language of the installation.
- **ESSO-LMx64.msi.** The 64-bit, English-only ESSO-LM Agent installer.
- **Utility Folder.** Contains supplementary software and unsupported ESSO-LM troubleshooting tools. These are:
 - **Java 1.1 (folder).** Contains unsupported legacy Java Helper Object (JHO) files designed to run with the Java Runtime Environment (JRE) version 1.1 (no longer supported by Oracle).
 - **dotnetfx20.exe.** The Microsoft .NET 2.0 Framework installer, required if you are installing Kiosk Manager.
 - **dotNetFx40_Full_x86_x64.exe.** The Microsoft .NET 4.0 Framework installer. You must install this package for the Console to run if your machine does not already have the .NET Framework version 4.0 installed.
 - **isscript1150.msi.** The Windows Installer InstallScript redistributable. You must install this package for the Agent and Console installers to run unless your machine already has this package installed.
 - **SSOHiddenWindowResponse.exe.** The Hidden Window Response utility. Use this utility to allow ESSO-LM to detect hidden application windows by window title and class. For more information, see the guide, *Using the Hidden Window Response Utility*, available in the [online documentation center](#).
 - **ssoSCDetect.exe.** SmartCard detection tool. When troubleshooting logon issues with the SmartCard authenticator, run this tool to determine whether ESSO-LM can see an inserted SmartCard.
 - **TraceController.exe.** The Trace Controller utility. Use this utility to enable and manage trace logging in ESSO-LM and other Oracle Accelerator Suite applications.
For more information, see the guide, *Using the Trace Controller Utility*, available in the [online documentation center](#).
 - **vcredist_x86.exe.** The Microsoft Visual C++ 2008 runtime library installer.
You must install this package for the Agent and Console to run if your machine does not already have this redistributable installed.
 - **ESSO-LM Event Viewer.exe, ESSO-LM Event Viewer.msi.** The ESSO-LM Event Viewer installers in EXE and MSI formats. These packages install and register the messaging libraries required to view ESSO-LM events in the Windows Event Viewer.

Installation on 64-bit (x64) Systems

If you are installing ESSO-LM on a 64-bit (x64) system, you must use the 64-bit installer files marked with the `_x64` suffix. While the installers have been compiled for the 64-bit platform, ESSO-LM itself is a 32-bit application that runs via the Windows-on-Windows 64-bit (WoW64) emulation engine and is installed into the Program Files (x86) parent directory. The 32-bit version of ESSO-LM is fully compatible with the supported 64-bit operating systems listed below.

Oracle supports the installation of ESSO-LM on the following 64-bit platforms:

- Windows Server 2003
- Windows Server 2008
- Windows 7

Kiosk Manager Installation Considerations

Kiosk Manager is an available installation option only for the 32-bit versions of Windows Server 2003 and Windows XP operating systems. If you plan to use Kiosk Manager, keep in mind the following:

- Kiosk Manager is not supported on Windows 7 Operating System.
- If you have a previous version of Kiosk Manager installed and are updating it during this installation, you must first uninstall the previous Kiosk Manager using the **Control Panel Add/Remove Program** or the **Uninstall** option of the earlier software installer.
- Although the ESSO-LM Administrative Console requires .NET 4.0, Kiosk Manager requires .NET 2.0. You must install both versions of .NET if you are installing Kiosk Manager.
- Kiosk Manager is only supported with the LDAP Authenticator.
- You must not install Windows Authenticator v2.
- You must install a synchronizer to work with Kiosk Manager.
- You cannot install any other GINA (SSO GINA, ESSO-PR GINA) with the Kiosk Manager GINA.
- After completing the ESSO-LM installation, do not restart your workstation until you configure ESSO-LM to synchronize with one of the synchronizers that you selected during installation. Refer to the [ESSO-LM Kiosk Manager Configuration Guide](#) for instructions.

Prerequisites for Unattended (Silent) Installations

In order to install ESSO-LM successfully in unattended ("silent") mode, the Windows Management Instrumentation (WMI) service must be running before you execute the installer.

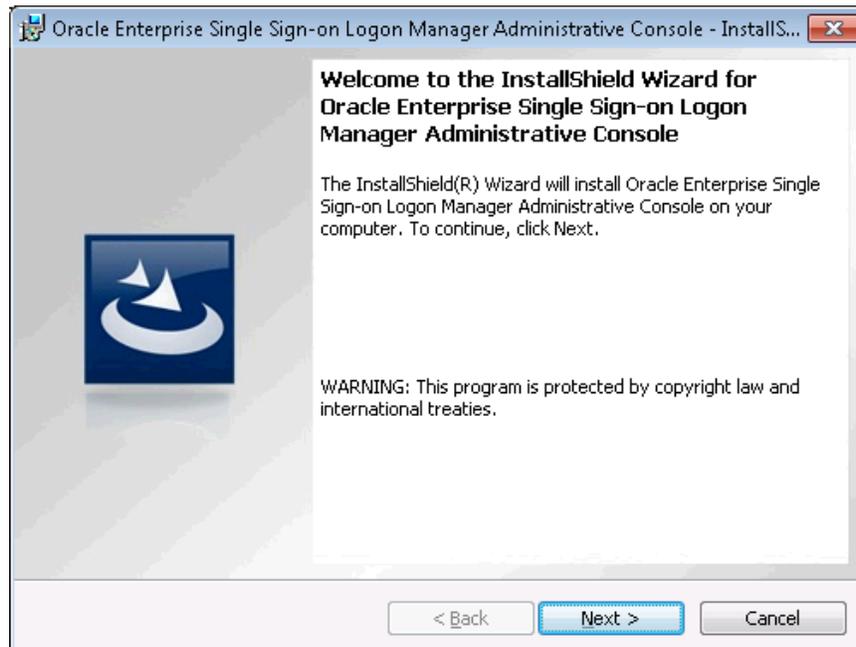
To check whether the WMI service is running, and start it if necessary, do the following on each target machine:

1. Open the System Management Console.
2. Open the **Services** snap-in.
3. Navigate to the **Windows Management Instrumentation** service and check its status and startup mode.
4. Depending on the status, do one of the following:
 - If the status is "Started," the WMI service is running; proceed to the next section.
 - If the status is blank, check the service's startup type and start it as follows:
 - If the startup type is "Disabled," do the following:
 - a. Double-click the service.
 - b. In the dialog box that appears, change the startup type to **Manual** or **Automatic**, as required by your environment.
 - c. Click **Apply**.
 - d. Click **Start** to start the service. The status changes to "Started."
 - If the startup type is not "Disabled," do the following:
 - a. Double-click the service.
 - b. In the dialog box that appears, click **Start** to start the service. The status changes to "Started."
 - c. Click **OK**.
5. Click **OK** to close the service properties dialog box.

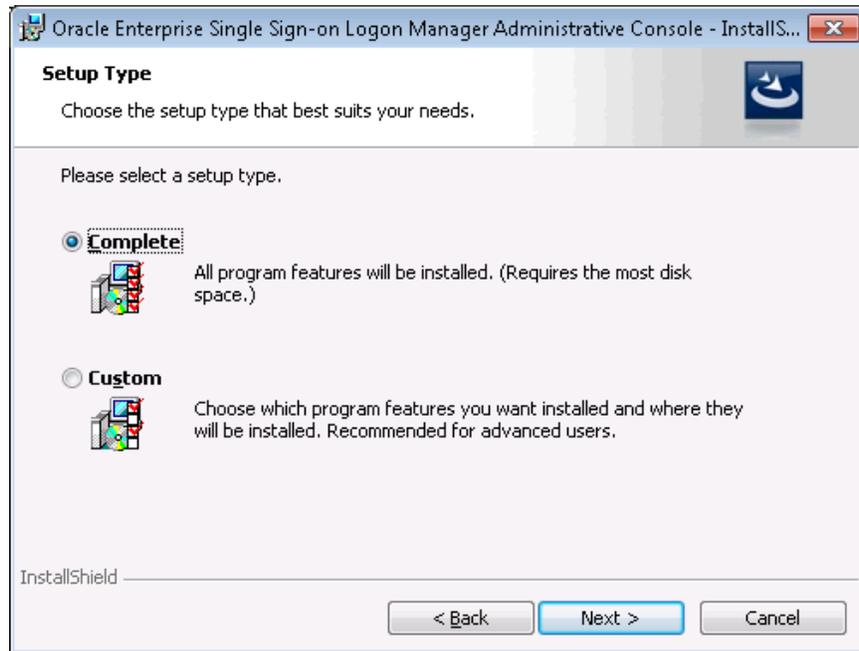
Installing the ESSO-LM Administrative Console

To install and configure the ESSO-LM Administrative Console:

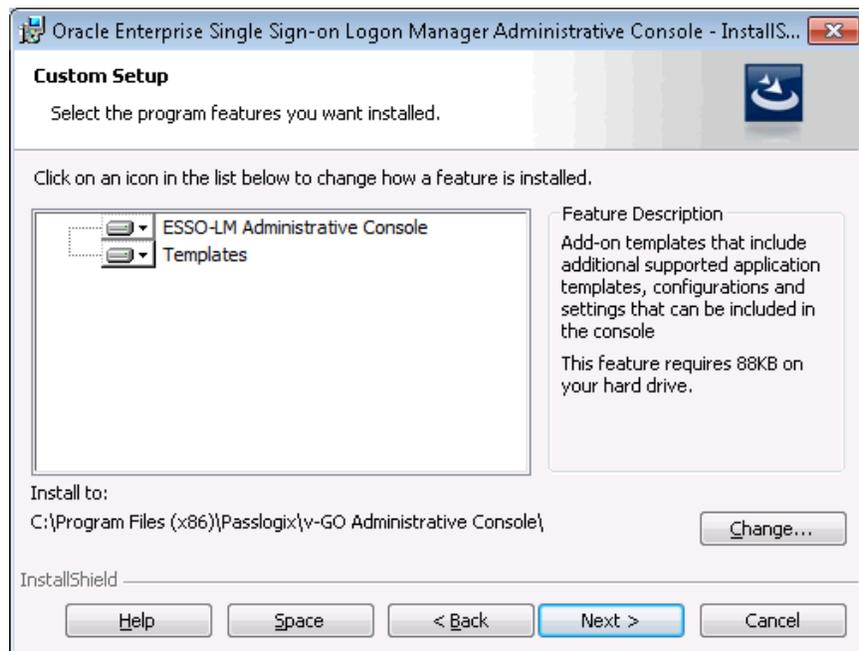
1. Close all programs.
2. Download and open the Oracle Enterprise Single Sign-on Logon Manager.zip file.
3. Double-click one of the following:
 - **ESSO-LM Administrative Console.exe.**
 - **ESSO-LM Administrative Console.msi.**
4. Wait while the installer loads.
5. On the Welcome Panel, click **Next>**.

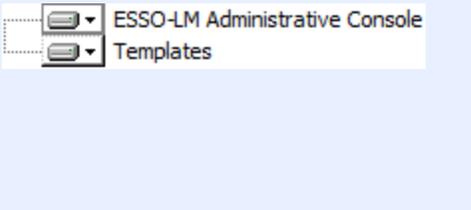


6. Select a setup type. The **Complete** option installs all program features. The **Custom** option allows you to choose which program features to install and where they will be installed. If you will be performing a custom installation, go to [Step 7](#). If not, go to [Step 8](#).

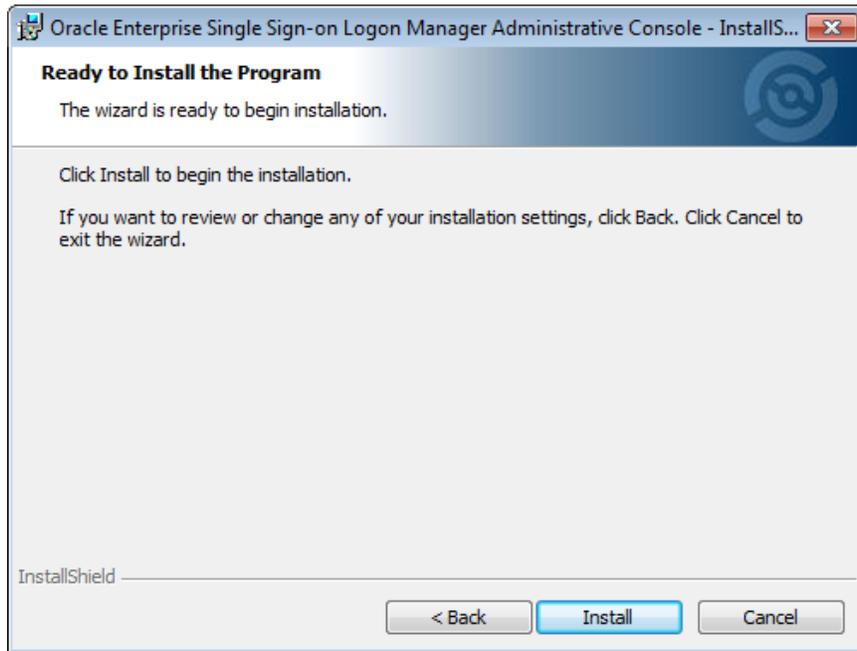


7. If you are performing a custom setup, choose from the following installation options. Click **Next** when you are done.

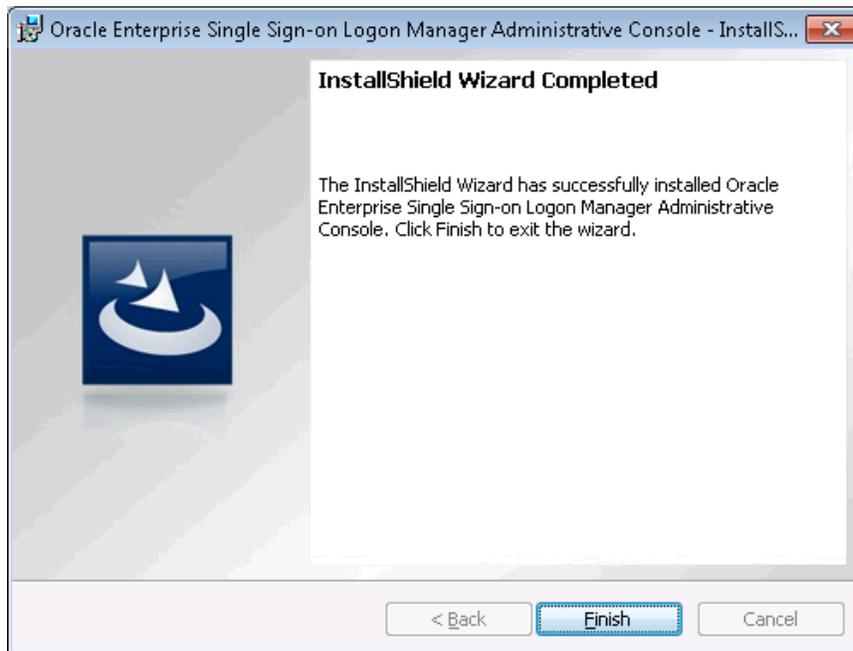


ESSO-LM Administrative Console																		
<p><i>(requires 14MB of space):</i> This option installs all necessary files and settings that serve as the core foundation of the application.</p> <p>Templates <i>(requires 76KB of space):</i> Add-on templates that include additional supported application templates, configurations, and settings that can be included in the console.</p>																		
<p>Change Click this button to change the current installation destination folder for the Console. Select a different location, if desired, and click OK.</p>																		
<p>Help</p> <p>Click the Help button  to display the Custom Setup tips. Each icon indicates the state of the available feature.</p>	<p>Icon</p>   	<p>Means the Feature:</p> <p>Will be completely installed to the local hard drive.</p> <p>Will have selected subfeatures installed to the local hard drive.</p> <p>Will not be installed.</p>																
<p>Space Click Space to display the Disk Space Requirements for installing the selected features on the local servers. Click OK.</p>		<table border="1"> <thead> <tr> <th>Volume</th> <th>Disk Size</th> <th>Available</th> <th>Required</th> </tr> </thead> <tbody> <tr> <td> C:</td> <td>93GB</td> <td>16GB</td> <td>19MB</td> </tr> <tr> <td> F:</td> <td>189GB</td> <td>177GB</td> <td>0KB</td> </tr> <tr> <td> Z:</td> <td>0KB</td> <td>0KB</td> <td>0KB</td> </tr> </tbody> </table>	Volume	Disk Size	Available	Required	C:	93GB	16GB	19MB	F:	189GB	177GB	0KB	Z:	0KB	0KB	0KB
Volume	Disk Size	Available	Required															
C:	93GB	16GB	19MB															
F:	189GB	177GB	0KB															
Z:	0KB	0KB	0KB															

8. The InstallShield Wizard is ready to begin the installation. Click **Install**.



9. Wait for the installation to complete. When the Completed screen displays, click **Finish**.



10. Proceed to the next section, [Installing the ESSO-LM Agent](#).

Installing the ESSO-LM Agent



If you have a previous version of Kiosk Manager installed and are updating it during this installation, you must first uninstall the previous Kiosk Manager using the **Control Panel Add/Remove Program** or the **Uninstall** option of the earlier software installer.

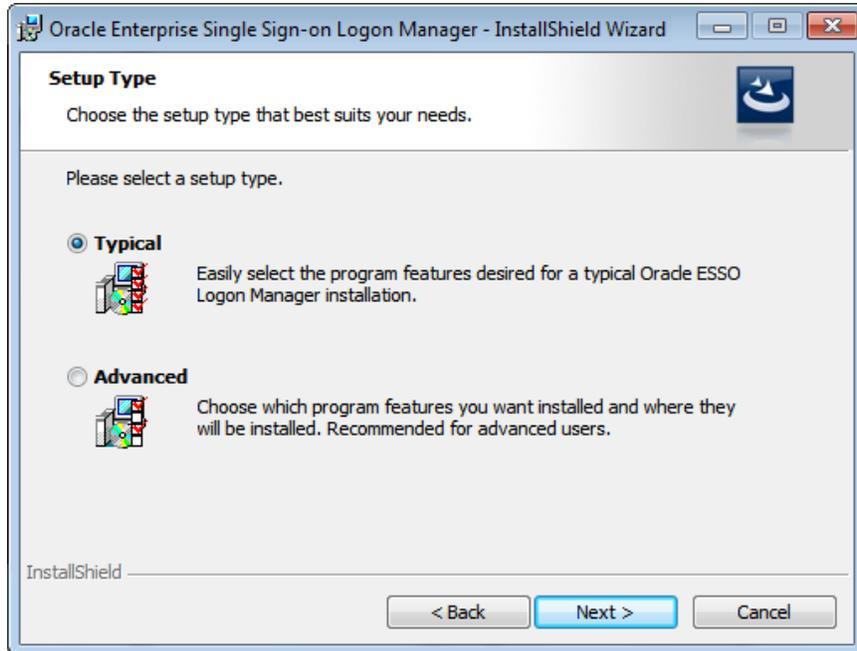
See the section, *Installing Kiosk Manager*, for additional considerations with regard to Kiosk Manager.

To install and configure the ESSO-LM Agent:

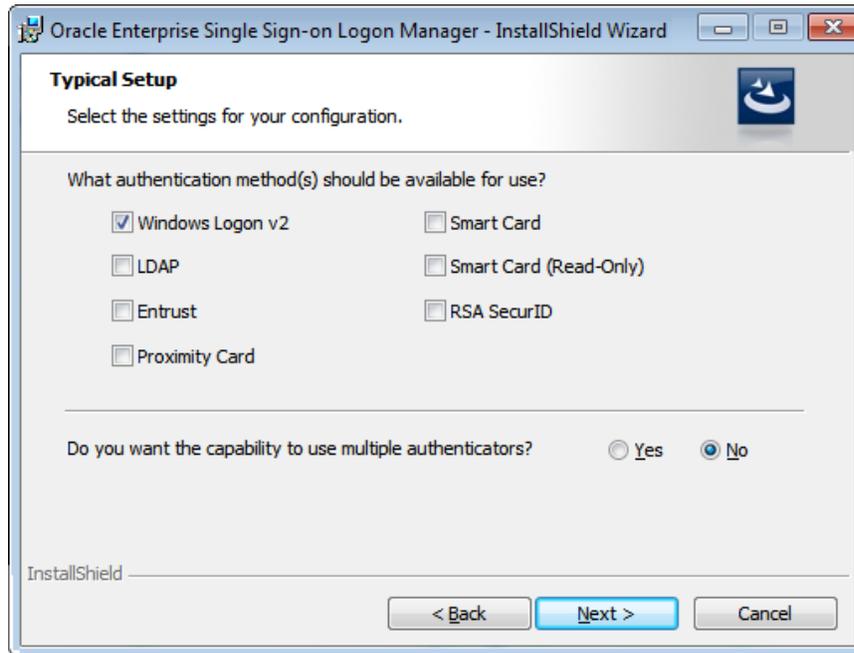
1. Close all programs.
2. Download and open the Oracle Enterprise Single Sign-on Logon Manager.zip file. Double-click one of the following to begin the installation:
 - **ESSO-LM.exe** for 32-bit installations for which you need to run the installer in a language other than English.
 - **ESSO-LM.msi** for 32-bit installations in English.
 - **ESSO-LMx64.exe** for 64-bit installations for which you need to run the installer in a language other than English.
 - **ESSO-LMx64.msi** for 64-bit installations in English.
3. Wait while the installer loads.
4. On the Welcome Panel, click **Next>**.



5. Select a setup type. **Typical** provides a path to select commonly used program features easily. **Advanced** provides a detailed tree view of all the program features available for installation. If you select a typical setup, follow [Steps 6 and 7](#). For an advanced setup, go to [Step 8](#). Click **Next>**.



- The Typical Setup screen appears. Select your authentication methods and indicate whether you want to use multiple authenticators.



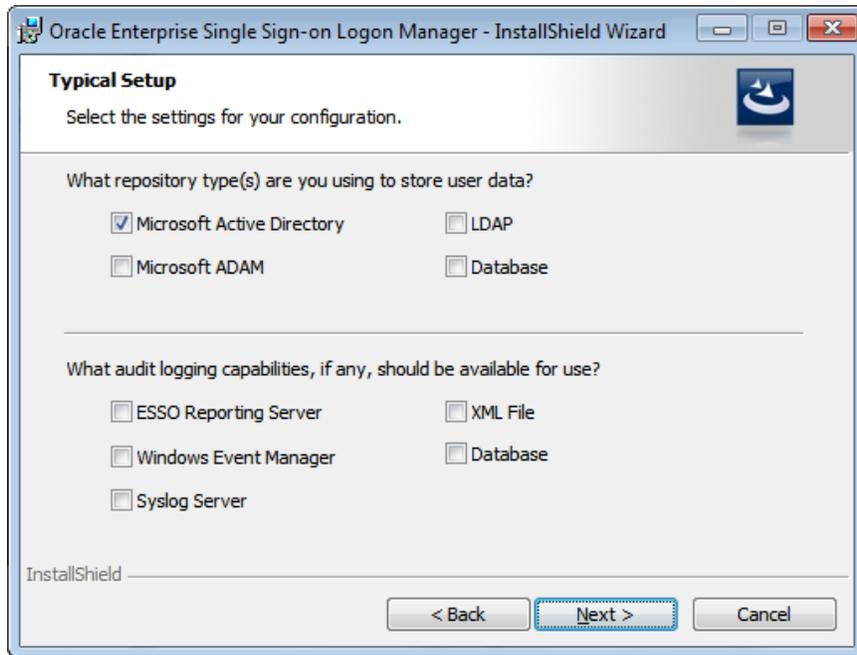
Authentication methods. In order to authenticate a user and grant access to stored credentials, ESSO-LM offers a number of authentication methods implemented as authenticator plug-ins, with the most common method being a user name and password. In Active Directory environments, ESSO-LM supports this authentication method through its Windows Logon (WinAuth) v1/v2 plug-ins. Because the management of the credential store key is implemented in Windows Logon v2 in a more robust and comprehensive way than in Windows Logon v1, Windows Logon v2 is the default and preferred authentication method.

If you are using a strong authentication method, refer to the [ESSO-LM Strong Authenticator Configuration Guide](#) which describes specific settings that must be enabled within an authenticator to work with ESSO-LM. It also describes all the ESSO-LM Administrative Console settings and any steps that must be taken to integrate with Kiosk Manager.

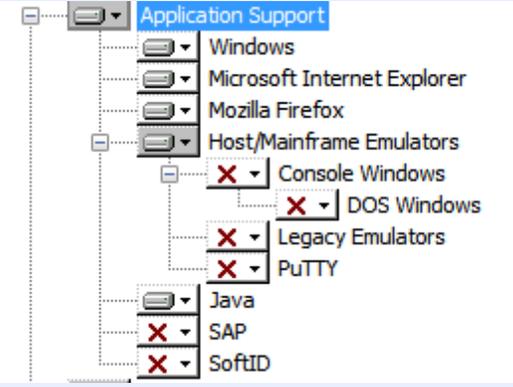
Multiple Authenticators. The Authentication Manager feature adds the capability to enable multiple logon methods to authenticate the user. These logon methods can be the standard ESSO-LM supported logon methods such as LDAP and Windows Logon, or the strong authenticators such as smart cards, proximity devices, and RSA SecurID tokens.

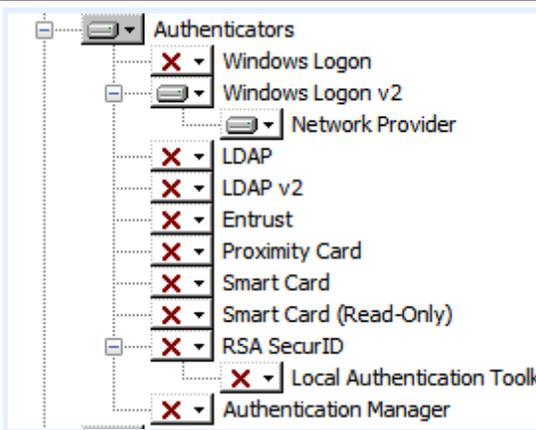
Click **Next>**.

7. Select your repositories and indicate which audit logging capabilities should be installed. If you install the ESSO Reporting Server, refer to the Oracle Enterprise Single Sign-on Suite Plus [Reporting documentation](#) for configuration information. Click **Next>** and continue to [step 9](#).



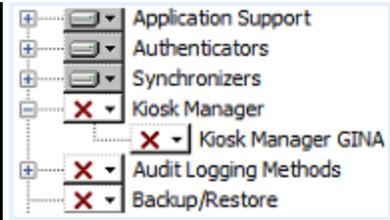
8. If you are performing an advanced setup, choose from the following installation options:

Application Support	
<p>This option installs all necessary files and settings that serve as the core of the application, and allows you to select the application types for ESSO-LM to interact with.</p>	
Windows	Windows support files are installed by default. These files cannot be deselected.
Microsoft Internet Explorer	Helper objects that add Logon Manager support for Internet Explorer. Installed by default.
Mozilla Firefox	Helper objects that add Logon Manager support for Mozilla-based browsers.
Host/Mainframe Emulators	Helper objects that adds Logon Manager support for HLLAPI-based emulators.
<input type="checkbox"/> Console Windows	Support for Console windows (command prompt) within the ESSO-LM mainframe plug-in.
<input type="checkbox"/> DOS Windows	Support for DOS windows
<input type="checkbox"/> Legacy Emulators	Support for 16-bit legacy HLLAPI-based emulators.
<input type="checkbox"/> PuTTY	Support for PuTTY windows within the ESSO-LM mainframe plug-in.
Java	Helper object that adds native Logon Manager support for Java applications.
SAP	Helper object that adds SAP application support to ESSO-LM.
SoftID	<p>Helper object that adds Logon Manager support for SoftID applications. See the ESSO-LM Strong Authenticator Configuration Guide for more information on using this feature.</p> <p>To use this helper object, the Authentication Manager Authenticator must be installed and selected as your Primary Logon Method.</p>

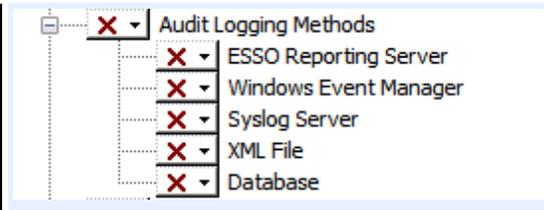
Authenticators	
<p>The authenticators are plug-ins that provide different methods for logging on to ESSO-LM. By default, Windows Logon v2 is installed.</p> <p>The available authentication plug-ins are:</p>	
Windows Logon	Plug-in that enables logging on to ESSO-LM by logon to Windows.
Windows Logon v2	Plug-in that enables logging on to ESSO-LM by logon to Windows with secure passphrase support. This authenticator is installed by default.
GINA	<p>Module that works with the Windows Logon v2 method. The GINA option is available only for Windows XP and Windows Server 2003.</p> <p>You must select between GINA and Network Provider. It is not possible to install both methods.</p>
Network Provider	Eliminates double authentication by utilizing the Network Provider mechanism to log on to ESSO-LM. Supports all current Microsoft Windows operating systems.
LDAP	Plug-in that enables logging on to ESSO-LM by logon to an LDAP directory.
LDAP v2	Plug-in that enables logging on to ESSO-LM by logon to an LDAP directory. This plug-in also includes secure passphrase support.
Entrust	Plug-in that enables logging on to ESSO-LM by logon to the Entrust PKI and Entelligence clients.
Proximity Card	Authenticator plug-in that supports authentication with HID Proximity Cards.
Smart Card	Plug-in that enables logging on to ESSO-LM using MS-CAPI-capable smart cards.
Smart Card (Read-Only)	Plug-in that enables logging on to ESSO-LM using a Read-Only Smart Card.
RSA SecurID	Plug-in that enables logging on to ESSO-LM using one-time passwords generated by RSA SecurID tokens.
Local Authentication Toolkit	Components needed to perform RSA SecurID authentication.
Authentication Manager	This feature adds the capability to allow multiple logon methods to authenticate the user. If you want to use the Enrollment, Grade, and Order functionality, you must install this feature.

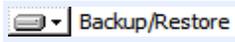
 If you are installing Proximity Card, Read-Only Smart Card, RSA SecurID, Secure Data Storage, or Smart Cards, see the [ESSO-LM Strong Authenticator Configuration Guide](#).

Synchronizers	
<p>This plug-in provides for the management of synchronization extensions to the application.</p> <p>The available synchronization plug-ins are:</p>	
Microsoft Active Directory	Synchronization plug-in that supports storage and retrieval of credentials and settings from an Active Directory server.
Microsoft ADAM	Synchronization plug-in that supports storage and retrieval of credentials and settings from an ADAM server.
LDAP	Plug-in that supports storage and retrieval of credentials and settings from an LDAP-compliant directory, such as SUN Java System Directory Server or eDirectory.
Database	Synchronization plug-in that supports storage and retrieval of credentials and settings from a database.
Roaming Profile	Synchronization plug-in that supports roaming profiles.
File System	Synchronization plug-in that supports storage and retrieval of credentials and settings from a file share.

Kiosk Manager	
<p>Kiosk Manager</p> <p>Plug-in that is available to support kiosk scenarios.</p>	 <p>To use Kiosk Manager, you must install the LDAP Authenticator and a synchronizer. You must also ensure that Windows Authenticator v2 is not installed.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p> Kiosk Manager is an available installation option only on the 32-bit versions of Windows XP and Windows Server 2003.</p> </div> <p>Refer to the Kiosk Manager Installation section for more information.</p>

Kiosk Manager	
Kiosk Manager GINA	<p>Install the Kiosk Manager GINA to support kiosk scenarios. The Kiosk Manager GINA is not installed by default.</p> <p>If you install the GINA, the Kiosk Manager Agent (SMAgent) starts automatically.</p> <p>If you do not install the Kiosk Manager GINA, the Kiosk Manager Agent (SMAgent) does not start automatically, but events can be triggered through the command line from other applications. Using this scenario, you can install Kiosk Manager on a workstation and have it run only when executed.</p> <p>See the <i>Kiosk Manager Configuration Guide</i> for more information on using the command-line options.</p>

Audit Logging Methods	
<p>This plug-in provides for the management of event logging extensions to the application.</p> <p>The available plug-ins are:</p>	
ESSO Reporting Server	Event Management plug-in that supports logging of events to the Reporting service.
Windows Event Manager	Event Management plug-in that supports logging of events to the Windows Event Manager.
Syslog Server	Event Management plug-in that supports logging of events to a Syslog server.
XML File	Event Management plug-in that supports logging of events to a local XML file.
Database	Event Management plug-in that supports logging of events to a Database.

Backup/Restore	
<p>This plug-in provides a simple file-based backup and restore mechanism via a wizard interface.</p>	

Languages

The localized language support packages that allow the Agent to be displayed in the following languages:

- English (mandatory, installed by default)
- Chinese (Simplified)
- Czech
- Dutch
- Finnish
- French
- German
- Italian
- Japanese
- Korean
- Polish
- Portuguese
- Spanish

Change

Click this button to change the current installation destination folder for the Agent. Browse to the desired location and click **OK**.

Help

Click the **Help** button to display the Custom Setup tips. Each icon indicates the state of the available feature.

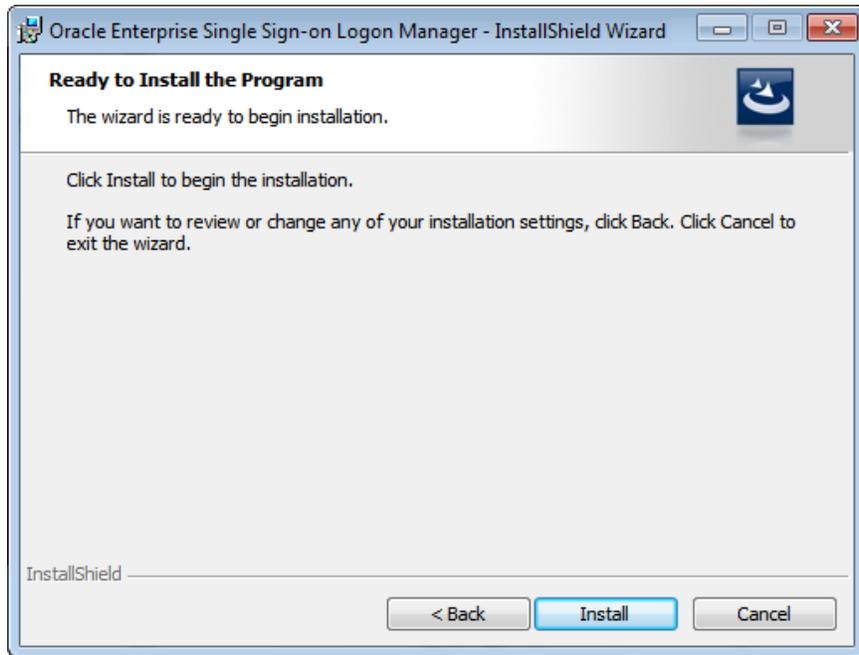
Icon	Means the feature
	Will be completely installed to the local hard drive.
	Will have some subfeatures installed to the local hard drive.
	Will not be installed.
	Will be installed on first use.
	Will be installed to run from the network.

Space

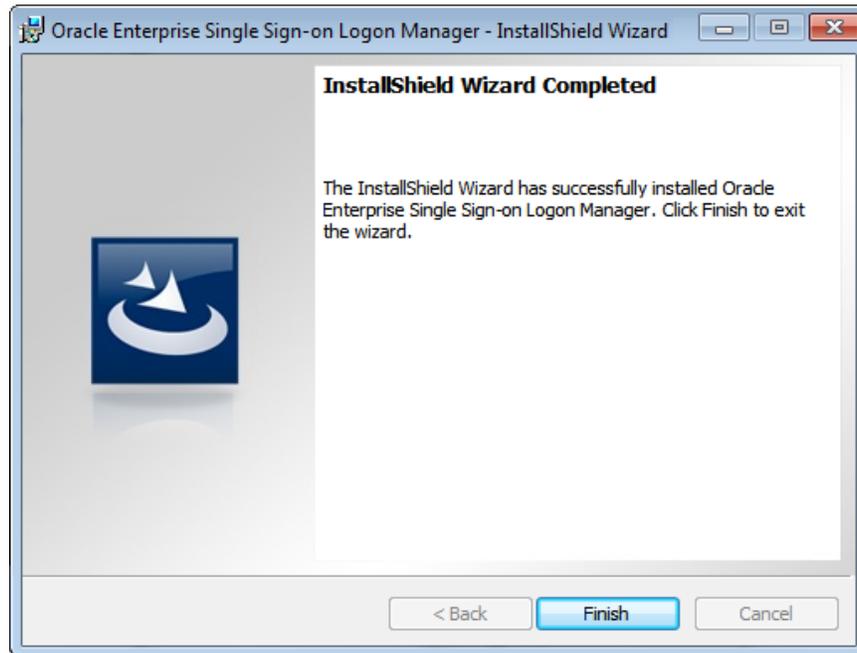
Click **Space** to display the disk space requirements for the installation of the selected features on local servers. Click **OK**.

Volume	Disk Size	Available	Required
C:	93GB	16GB	23MB
F:	189GB	177GB	0KB
Z:	0KB	0KB	0KB

9. The InstallShield Wizard is ready to begin the installation. Click **Install**.



10. Wait for the installation to complete. When the Completed screen appears, click **Finish**.



11. The ESSO-LM installation does not require restarting, except in the following scenarios:
- If you installed the Windows Authentication v2 SSO GINA or Network Provider (Windows XP and Windows Server 2003 only), you will be prompted to restart your workstation after you click **Finish**. Continue with step 12 after restart.
 - If you installed Kiosk Manager (32-bit Windows XP and Windows Server 2003 only), you must configure ESSO-LM to synchronize with one of the synchronizers that you selected during installation. Refer to the *ESSO-LM Kiosk Manager Configuration Guide* for instructions. Do not install any other GINAs if you install the SM GINA. Restart your workstation after setting up synchronization, then continue with step 12.
12. After your workstation or server restarts, log on to Windows. The ESSO-LM Welcome Screen/First Time Use (FTU) Wizard launches. Follow the instructions on the screen to complete the FTU Wizard. After the FTU is complete, an icon  appears in the tool tray.

 Refer to the *ESSO-LM User Guide* and online help for information on completing the FTU Wizard and using the ESSO-LM Agent.

After You Install

In the [online documentation center](#), you will find the complete set of product-specific guides for the Oracle Enterprise Single Sign-on Suite Plus, and How-To and Best Practice documents. The following table lists the high-level tasks you will need to perform to complete your installation and deployment, and the documents associated with each task.

For This Task...	Refer to...
Configuring Kiosk Manager	<i>ESSO-LM Kiosk Manager Configuration Guide</i>
Configuring a repository	<ul style="list-style-type: none"> • <i>Deploying ESSO-LM with Microsoft Active Directory</i> • <i>Deploying ESSO-LM with Microsoft ADAM</i> • <i>Deploying ESSO-LM with an LDAP Directory</i>
Configuring the Agent	<i>Configuring Logon Manager Agent</i>
Configuring authenticators	<i>ESSO-LM Strong Authenticator Configuration Guide</i>
Packaging an MSI	<i>Packaging Logon Manager for Mass Deployment</i>
Creating templates	<ul style="list-style-type: none"> • <i>Template Configuration and Diagnostics for Windows Applications</i> • <i>Template Configuration and Diagnostics for Web Applications</i> • <i>Template Configuration and Diagnostics for Mainframe Applications</i>

For Additional Guidance

Refer to the following guides in the [online documentation center](#) for assistance with these additional tasks:

- *Using the Hidden Window Response Utility*
- *Understanding the ESSO-LM Event Notification Service API*
- *Using the Trace Controller Utility*

Upgrading from Previous Versions

Upgrading to ESSO-LM 11.1.1.5.0 is supported for the following versions of ESSO-LM:

- 11.1.1.2.0
- 11.1.1.1.0
- 10.1.4.1.0

Oracle fully supports installing version 11.1.1.5.0 of ESSO-LM on top of existing installations of ESSO-LM as listed above. The installer will uninstall the previous version automatically, and then proceed with installation of the new version. Refer to the sections in this guide for more information on installing both the ESSO-LM Administrative Console and the ESSO-LM Agent.



If the original installer was customized using the ESSO-LM Administrative Console, you must customize the new installer in the same manner before performing the upgrade.

Oracle recommends always backing up all data prior to any installation.

Basic Upgrade Steps

This procedure outlines the basic recommended steps to upgrade to ESSO-LM 11.1.1.5.0.

1. Perform a backup of your existing credentials.
2. Run your installation as outlined in the sections, [Installing the ESSO-LM Administrative Console](#) and [Installing the ESSO-LM Agent](#).
3. Restore your backed up credentials to the new installation.



The Passphrase Suppression setting, previously an option selected during installation, is now configurable under Global Agent Settings > Live > Authentication > Windows v2 Authenticator Passphrase Settings. The default is to display the passphrase. If you want to suppress the passphrase, you must change this setting.

Note that if you have a custom passphrase suppression (a DLL that implements the Secondary Authentication API), this DLL must return a unique GUID from its GetID function. Also, you must set the:

```
HKLM\Software\Passlogix\MsAuth\ResetMethods:ResetMethodGUID
```

registry value to that GUID.

See the guide, [Understanding the ESSO-LM Secondary Authentication API](#) for more details.

4. After the installer has finished and your credentials are restored, the upgrade is complete. Refer to the *ESSO-LM Release Notes* to learn about the new product features.

Uninstalling ESSO-LM

To uninstall ESSO-LM:

1. From the **Start** menu, open the **Control Panel**.
2. Depending on your operating system:
 - Open **Add/Remove Programs**.
 - Open **Programs and Features**.
3. To remove the ESSO-LM Agent, select **ESSO-LM** and click **Remove** or **Uninstall**.
4. Confirm any messages that you might receive asking if you are sure you want to remove the program.
5. Follow any additional prompts to uninstall ESSO-LM.
6. To uninstall the ESSO-LM Administrative Console, select **ESSO-LM Administrative Console** and click **Remove** or **Uninstall**.
7. Repeat steps 4 through 6.