

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

Installation and Setup Guide

Release 11.1.1.2.0

E15720-02

November 2010

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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-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

Oracle Enterprise Single Sign-on Logon Manager lets you use a single password to log on to any password-protected application on your desktop, your network, and the Internet. It works “out-of-the-box” (without programming or additional network infrastructure) with virtually all applications, including Windows, Web, proprietary, and host or mainframe applications. The *ESSO-LM Installation and Setup Guide* describes how to install and set up ESSO-LM.

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.

ESSO-LM Disc Image Contents

The contents of the ESSO-LM disc image are as follows:

- **Documentation.** Contains documentation intended to get you started with ESSO-LM. Additional up-to-date documentation is available on the [Oracle Web site](#).
- **SSO Admin Console.** Contains the ESSO-LM Administrative Console installers in EXE and MSI formats.
- **SSO Agent.** Contains the ESSO-LM Agent installers in EXE and MSI formats.
- **Utility.** 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. You must install this package for the Agent and Console to run if your machine does not already have the .NET Framework version 2.0 or above 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.
 - **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.
 - **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

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.

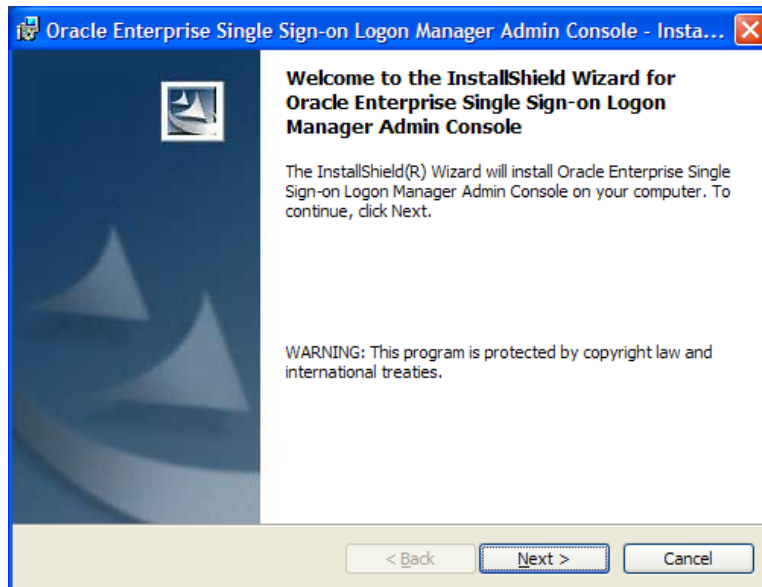
To check whether the WMI service is running, and start it if necessary, do the following on each target machine:

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.

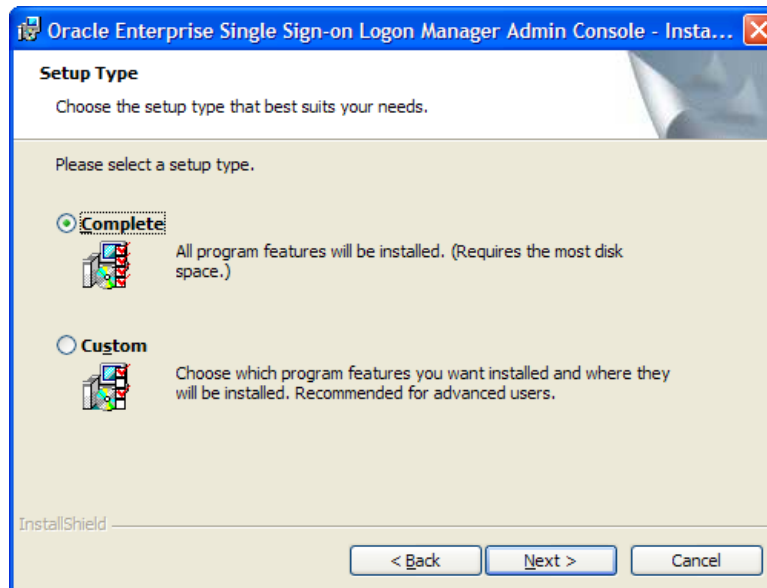
Installing the ESSO-LM Administrative Console

To install and configure the ESSO-LM Administrative Console:

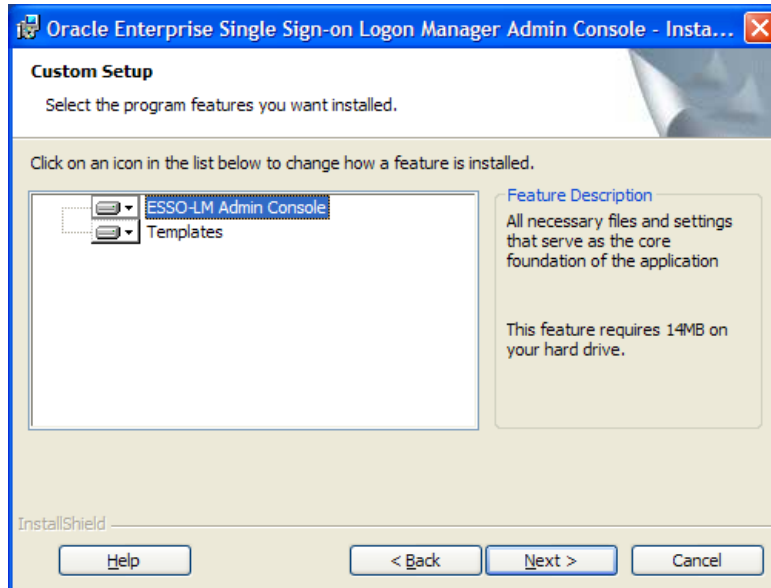
1. Close all programs.
2. Place the ESSO-LM installation CD in your CD-ROM drive (or start the installation from a shared network drive).
3. On the Welcome Panel, click **Next>**.



4. 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 6](#). If not, go to [Step 7](#).



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



Installing the ESSO-LM Agent

To install and configure the ESSO-LM Agent:

1. Close all programs.
2. Place the ESSO-LM installation CD in your CD-ROM drive (or start the installation from a shared network drive).

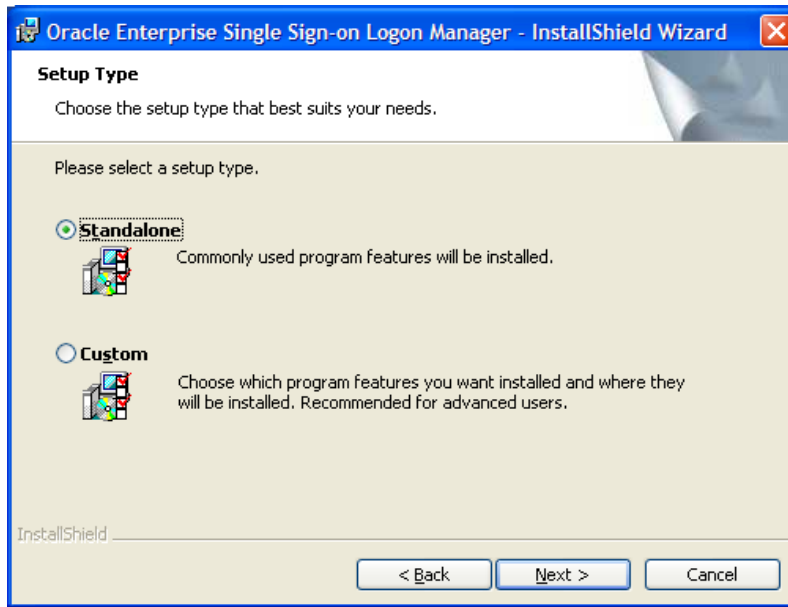


If you are installing on a 64-bit system, use the 64-bit installer marked with the `_x64` suffix in its file name. If you are installing on a 32-bit system, use the 32-bit installer (without the `_x64` suffix in its file name).

3. On the Welcome Panel, click **Next>**.

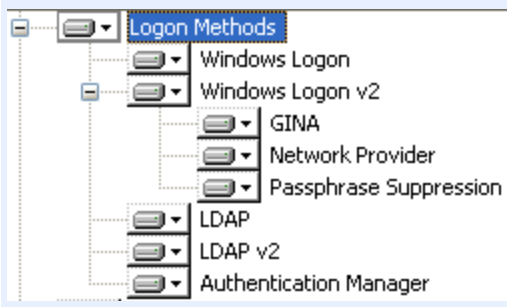




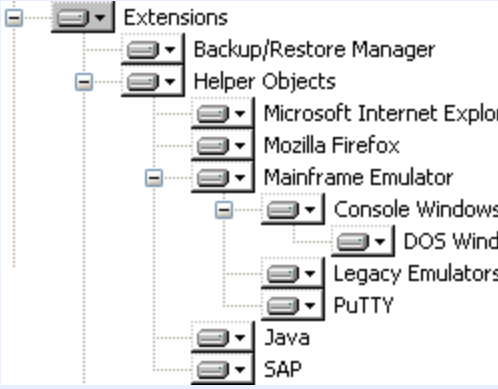
4. Select a setup type. The **Standalone** type installs commonly used program features. The **Custom** option allows you to choose which program features to install. If you will be performing a custom installation, go to Step 6. If not, go to Step 7.

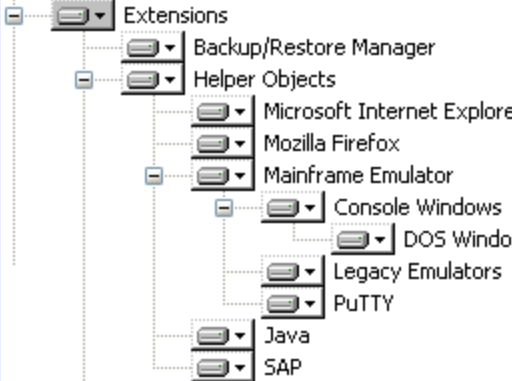


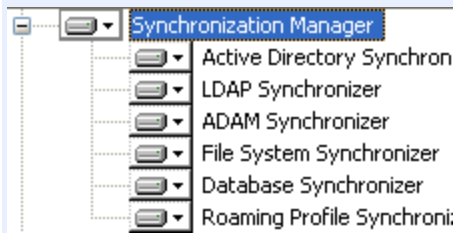
5. If you are performing a custom setup, choose from the following installation options:

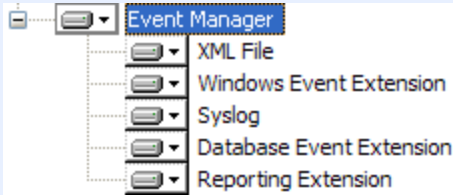
Application	
<p><i>(requires 2607KB of space)</i></p> <p>This option installs all necessary files and settings that serve as the core foundation of the application.</p>	<ul style="list-style-type: none">+ Application+ Logon Methods+ Extensions+ Languages

Logon Methods	
<p><i>(requires 512 bytes of space)</i></p> <p>The logon methods are plug-ins that provide different methods for logging onto ESSO-LM. By default, Windows Logon is installed. The plug-ins available are:</p>	
<p>Windows Logon <i>(requires 77KB of space)</i></p>	<p>Plug-in that enables logging onto ESSO-LM by logon to Windows. (72KB)</p>
<p>Windows Logon v2 <i>(requires 109KB of space)</i></p>	<p>Plug-in that enables logging onto ESSO-LM by logon to Windows. This plug-in also includes secure passphrase and GINA support. (109KB)</p>
<p>GINA <i>(requires 117KB of space)</i></p>	<p>GINA module that works with the Windows Domain logon method. (104KB)</p> <div style="border: 1px solid black; background-color: yellow; padding: 5px; margin-top: 10px;"> <p> You must select between GINA and Network Provider. It is not possible to install both methods.</p> </div>
<p>Network Provider <i>(requires 339KB of space)</i></p>	<p>Eliminates double authentication from occurring when you the user logs on to Windows, unlocks the desktop, or changes the Windows password.</p> <div style="border: 1px solid black; background-color: yellow; padding: 5px; margin-top: 10px;"> <p> You must select between Network Provider and GINA. It is not possible to install both methods.</p> </div>
<p>Passphrase Suppression <i>(requires 28KB of space)</i></p>	<p>Bypasses interactive passphrase authentication by using a secondary authentication method that returns the user's SID.</p>
<p>LDAP <i>(requires 152KB of space)</i></p>	<p>Plug-in that enables logging onto ESSO-LM by logon to an LDAP directory. (116KB)</p>
<p>LDAP v2 <i>(requires 121KB of space)</i></p>	<p>Plug-in that enables logging ontoESSO-LM by logon to an LDAP directory. This plug-in also includes secure passphrase support. (93KB)</p>
<p>Authentication Manager <i>(requires 65KB of space)</i></p>	<p>This feature adds the capability to allow multiple logon methods to authenticate the user. (61KB)</p>

Extensions	
<p><i>(requires 1762 KB of space)</i> The extensions are plug-ins that enhance and extend functionality of the SSO application. By default, Backup\Restore Manager, Logon Manager, and Setup Manager are installed. The plug-ins available are:</p>	
<p>Backup\Restore Manager <i>(requires 80KB of space)</i></p>	<p>This plug-in provides a simple file-based, backup-and-restore mechanism via a wizard interface.</p>

Helper Objects	
<p>(requires 278KB of space) These plug-ins provide the main credential management, request, and delivery interfaces. The plug-ins available are:</p>	
<p>Microsoft Internet Explorer (requires 236KB of space)</p>	<p>Extension helpers that add SSO support for Internet Explorer</p>
<p>Mozilla Firefox (requires 1509KB of space)</p>	<p>Extension helpers that add SSO support for Mozilla-based browsers</p>
<p>Mainframe Emulator (requires 117KB of space)</p>	<p>Extension helper that add SSO support for HLLAPI-based emulators</p>
<p>Console Windows (requires 76KB of space)</p>	<p>Support for Console windows (command prompt) within the ESSO-LM mainframe plug-in</p>
<p>DOS Windows (requires 4KB of space)</p>	<p>Support for DOS windows</p>
<p>Legacy Emulators (requires 299KB of space)</p>	<p>Support for 16-bit legacy HLLAPI-based emulators</p>
<p>PuTTY (requires 108KB of space)</p>	<p>Support for PuTTY windows within the ESSO-LM mainframe plug-in</p>
<p>Java (requires 355KB of space)</p>	<p>Extension helper that adds SSO support for Java applications natively</p>
<p>SAP (requires 286KB of space)</p>	<p>Extension helper that adds SSO support for SAP applications</p>

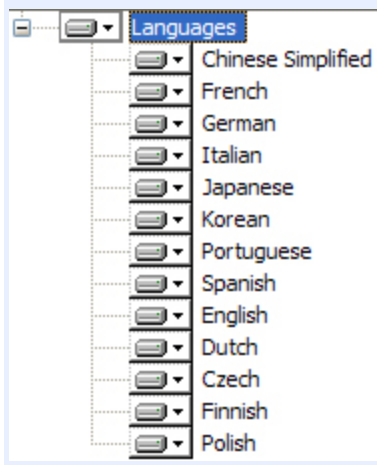
Synchronizer Manager	
<p>(requires 137KB of space)</p> <p>This plug-in provides for the management of synchronization extensions to the application. The synchronizer plug-ins available are:</p>	
<p>Active Directory Synchronizer (requires 116KB of space)</p>	<p>Synchronization plug-in that supports storage and retrieval of credentials and settings from an Active Directory server.</p>
<p>LDAP Synchronizer (requires 152KB of space)</p>	<p>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.</p>
<p>ADAM Synchronizer (requires 117KB of space)</p>	<p>Synchronization plug-in that supports storage and retrieval of credentials and settings from an ADAM server.</p>
<p>File System Synchronizer (requires 77KB of space)</p>	<p>Synchronization plug-in that supports storage and retrieval of credentials and settings from a file share.</p>
<p>Database Synchronizer (requires 68KB of space)</p>	<p>Synchronization plug-in that supports storage and retrieval of credentials and settings from a database.</p>
<p>Roaming Profile Synchronizer (requires 57KB of space)</p>	<p>Synchronization plug-in that supports roaming profiles.</p>

Event Manager	
<p>(requires 64KB of space)</p> <p>This plug-in provides for the management of event- logging extensions to the application. The plug-ins available are:</p>	
<p>XML File (requires 36KB of space)</p>	<p>Event Management plug-in that supports logging of events to a local XML file.</p>
<p>Windows Event Extension (requires 57KB of space)</p>	<p>Event Management plug-in that supports logging of events to the Windows Event Manager.</p>
<p>Syslog (requires 120KB of space)</p>	<p>Event Management plug-in that supports logging of system events.</p>
<p>Database Event Extension (requires 84KB of space)</p>	<p>Event Management plug-in that supports logging of events to the Database Event Manager.</p>
<p>Reporting Extension (requires 289KB of space)</p>	<p>Event Management plug-in that supports logging of events to the reporting service.</p>

Languages

The localized language support packages that allow the Agent to be displayed in other languages.


- Chinese Simplified**-1948KB
- French**-1908KB
- German**-1912kb
- Italian**-1812KB
- Japanese**-2008KB
- Korean**-1980KB
- Portuguese**-1888KB
- Spanish**-1924KB
- English**-4364KB
- Dutch**-2020KB
- Czech**-2632KB
- Finnish**-2080KB
- Polish**-2064KB








Change

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

Help

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

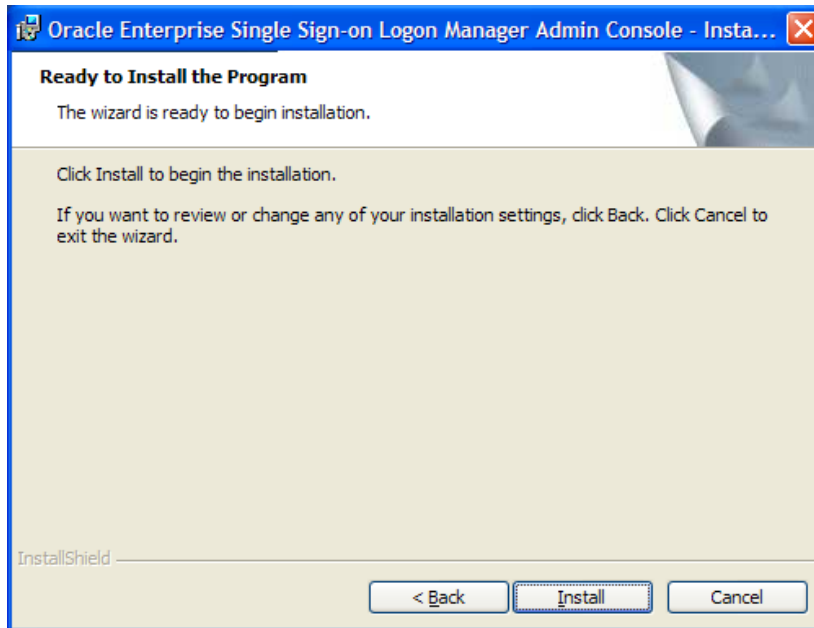
Icon	Means the feature
	Will be completely installed to the local hard drive.
	Will have some subfeatures installed to the local hard drive.
	Will not be installed.
	Will be installed on first use.
	Will be installed to run from the network.

Space

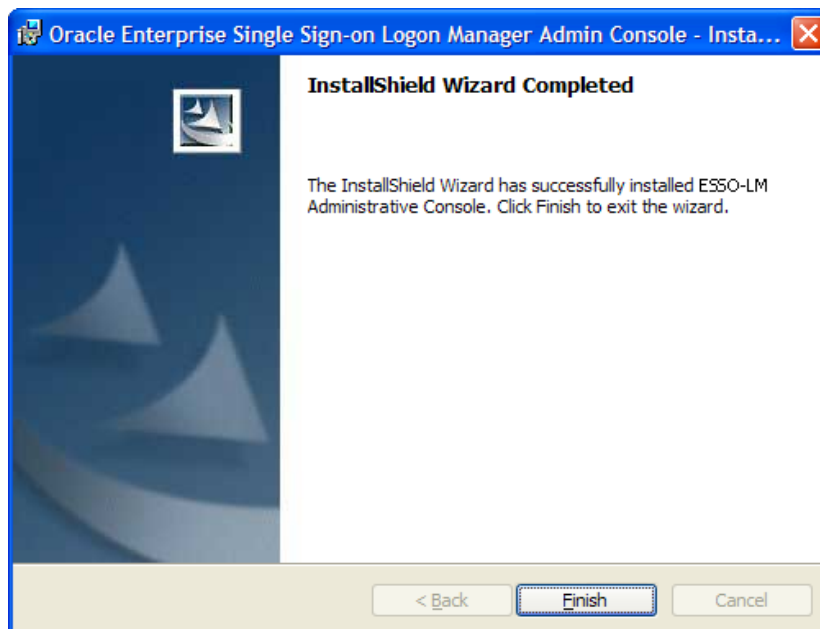
Click **Space** to display the **Disk Space Requirements** for the installation of the selected features on local servers. Click **OK**.


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

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



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



8. The ESSO-LM installation does not require a reboot, unless you installed the Windows Authentication v2 SSO GINA. If you installed the SSO GINA, you will be prompted to reboot your machine after you click **Finish**.
9. After you restart the workstation or server, 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.

Upgrading from Previous Versions

Upgrading to ESSO-LM 11.1.1.2.0 is supported for the following versions of ESSO-LM:

- 10.1.4.1.0
- 10.1.4.0.5

Oracle fully supports installing version 11.1.1.2.0 of ESSO-LM on top of existing installations of ESSO-LM as listed above. The newer installer will first uninstall the old version and then install the new version automatically. Refer to the topics in this guide for more information on installing both the ESSO-LM Agent and ESSO-LM Administrative Console.



If the original installer was customized using the ESSO-LM Administrative Console, you must customize the new installer in the same manner. This must be done 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 11.1.1.2.0.

1. Perform a backup of your existing credentials.
2. Run your installation as outlined in the sections, [Installing the Administrative Console](#) and [Installing the Agent](#). The ESSO-LM Agent and Console can be upgraded in any order.



For Windows Vista Users Upgrading from ESSO-LM 10.1.4.0.5

Prior to running the ESSO-LM 11.1.1.2.0 installer, users who are upgrading from ESSO-LM 10.1.4.0.5 under Windows Vista must install the Microsoft Visual C++ 2008 Redistributable located in the Utility folder of the installation CD.

The installer checks for the presence of the Microsoft Visual C++ 2008 Redistributable during an upgrade from ESSO-LM 10.1.4.0.5 to ESSO-LM 11.1.1.2.0. If the redistributable is missing, the installer displays the following error message and aborts the installation:

Prior to installing this product, you must install the Microsoft Visual C++ 2008 Redistributable located in the utilities directory of the installation media.

For technical information about this issue, see:

<http://connect.microsoft.com/VisualStudio/feedback/ViewFeedback.aspx?FeedbackID=361951>

3. Restore your backed up credentials to the new installation.
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.

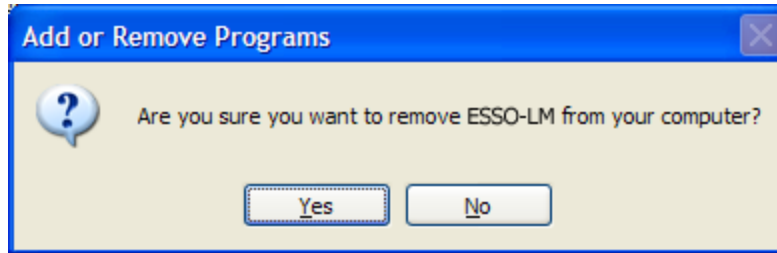
Configuration

Refer to the ESSO-LM Administrative Console Online Help for information about using the Administrative Console to configure ESSO-LM.

Uninstalling ESSO-LM

To uninstall ESSO-LM:

1. Click **Start**, point to **Settings**, and then click **Control Panel**.
2. Open **Add/Remove Programs**.
3. To remove the ESSO-LM Agent, select ESSO-LM and click **Remove**. The following dialog box appears:



4. Click **Yes**.
5. Follow the prompts to uninstall ESSO-LM.
6. To uninstall the ESSO-LM Administrative Console, select **ESSO-LM Administrative Console** and click **Remove**.
7. Repeat steps 4 and 5.