

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

Installation and Setup Guide

Release 10.1.4.1.0

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Table of Contents

Abbreviations and Terminology	2
About ESSO-KM	3
Installation Overview	3
Install ESSO-LM	4
Adjust Settings in the ESSO-LM Administrative Console	5
Adjust Kiosk Manager Settings	8
Kiosk Manager > Cached Credentials	12
Kiosk Manager > Desktop > Background Image	13
Kiosk Manager > Desktop > Text Message	14
Kiosk Manager > Advanced	16
Install ESSO-KM	17
Adjust Windows Screen Saver Settings	19
Upgrade to ESSO-KM 10.1.4.1.0	20
Uninstall ESSO-KM 10.1.4.1.0	21

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	ESSO-LM Logon Manager Agent
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

About ESSO-KM

Oracle Enterprise Single Sign-on Kiosk Manager (ESSO-KM) delivers a secure, easy to use and easy to administer solution that addresses the needs of traditional Single Sign-On in a kiosk environment. ESSO-KM has a client-side agent that suspends or closes inactive sessions and seamlessly shuts down all applications. This solution provides user identification to the kiosk by prompting users to log on with a Windows password or any supported primary authenticator.

Installation Overview

ESSO-KM is installed as an add-on component to Oracle Enterprise Single Sign-on (ESSO-LM).

ESSO-LM must be installed prior to installing ESSO-KM. ESSO-LM automatically recognizes ESSO-KM when it is installed.

Note: ESSO-KM version 10.1.4.1.0 requires ESSO-LM version 10.1.4.1.0.

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

- [Install ESSO-LM](#)
- [Adjust Settings in the Administrative Console](#)
- [Adjust Windows Screen Saver Settings](#)
- [Install ESSO-KM](#)
- [Uninstall ESSO-KM](#)

Note: If you are upgrading from an earlier version of ESSO-KM, perform the steps in the [Upgrade](#) section before beginning the installation.

Install ESSO-LM

Note: ESSO-KM version 10.1.4.1.0 works with ESSO-LM version 10.1.4.1.0 only.

Install ESSO-LM on your system or upgrade previous versions of ESSO-LM. If you are upgrading from an earlier version of ESSO-KM, perform the steps in the [Upgrade](#) section before beginning the installation.

Note: You must perform a custom installation. A Primary Logon Method and any Synchronization Manager of your choice must be installed.

Please refer to the *ESSO-LM Installation and Setup Guide* for detailed instructions.

Adjust Settings in the ESSO-LM Administrative Console

Before you install ESSO-KM, you must adjust some settings in the ESSO-LM Administrative Console. Certain ESSO-LM settings must be set up to work with ESSO-KM. Configuration settings for ESSO-KM should also be set up before installing ESSO-KM.

Note: Refer to the *ESSO-LM Administrative Console Help* for more about adding applications.

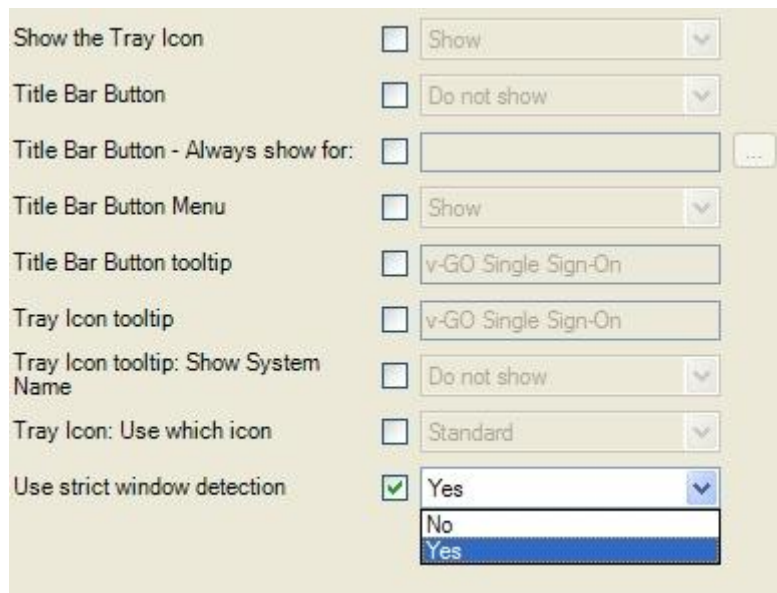
1. Open the ESSO-LM Administrative Console by pointing to **Start > Programs > Oracle > ESSO-LM > ESSO-LM Console**.
2. Select a set of Global Agent Settings (or point to **Import**, click **From Live HKLM**, expand **Live**).
3. Set up the Primary Logon Method.
 - Expand **Primary Logon Methods** and click on the Primary Logon Method installed.
 - Set up the **Required** settings for the Primary Logon Method, if applicable. You might have to turn SSL on or off, depending on your setup. Refer to the ESSO-LM Console Help for detailed instructions.
4. Set up Sync.
 - Expand **Synchronization** and click on the synchronizer you installed. This will vary according to your setup. Refer to the *ESSO-LM Administrative Console Help* for detailed instructions on setting up Sync.

Note: If you will be using the LDAP authenticator against Active Directory sync, expand **Active Directory** and click **Advanced**. For **Credentials to Use**, select **Use Active Directory server account only**.

5. Click on **Synchronization**. Enable the **Delete Local Cache** setting and set the value to **Delete**. This setting deletes the user's data files and registry keys upon shutdown of the agent.
6. On the Synchronization panel, enable the **Disconnected Operation** and set the value to **Do not continue running**. This setting prevents the Agent from running when a connection to the repository cannot be established and no local cache is present.

Aggressive Synchronization	<input type="checkbox"/>	Do not allow
Delete local cache	<input checked="" type="checkbox"/>	Delete
Deleted-credential cleanup	<input type="checkbox"/>	30
Disconnected Operation	<input checked="" type="checkbox"/>	Do not continue running
Enable role/group security support	<input type="checkbox"/>	Do not use role/group sect
Interval for automatic re-sync	<input type="checkbox"/>	0
Optimized Synchronization	<input type="checkbox"/>	Enable
Re-sync when network or connection status changes	<input type="checkbox"/>	Watch for and re-sync on r
Sync Order	<input checked="" type="checkbox"/>	ADEXT
Wait for synchronization at startup	<input type="checkbox"/>	Wait for sync

- Click on **End User Experience**. Enable the **Use strict window detection** and set the value to **Yes**. If this setting is not enabled, ESSO-LM attempts to logon to windows that are hidden or minimized. Since ESSO-KM hides windows that belong to other users, ESSO-LM may provide credentials for another user's application. When the first user returns, they will be logged in as another user to that application. Enabling this setting ensures that ESSO-LM only logs on to windows that are not hidden.



Show the Tray Icon	<input type="checkbox"/>	Show
Title Bar Button	<input type="checkbox"/>	Do not show
Title Bar Button - Always show for:	<input type="checkbox"/>	
Title Bar Button Menu	<input type="checkbox"/>	Show
Title Bar Button tooltip	<input type="checkbox"/>	v-GO Single Sign-On
Tray Icon tooltip	<input type="checkbox"/>	v-GO Single Sign-On
Tray Icon tooltip: Show System Name	<input type="checkbox"/>	Do not show
Tray Icon: Use which icon	<input type="checkbox"/>	Standard
Use strict window detection	<input checked="" type="checkbox"/>	Yes

Warning! ESSO-KM will not run if this value is set to **No**.

- Expand **End User Experience** and click **Setup Wizard**. Enable the **Enable/disable First Time Use (FTU) wizard** and set the value to **Hide**. This setting hides the FTU wizard.



Enable/disable First-Time-Use (FTU) wizard.	<input checked="" type="checkbox"/>	Hide
Selected Primary Logon	<input type="checkbox"/>	
Skip "selection" page if only one Primary Logon Method installed	<input type="checkbox"/>	Do not hide/skip the Selec

Adjust Kiosk Manager Settings

Under the Global Agent Settings, click **Kiosk Manager**. This is where you can set up the ESSO-KM settings. Adjust the following settings to your preference:

Allow administrator to close ESSO-KM	<input type="checkbox"/>	No
Close suspended session after how many seconds	<input type="checkbox"/>	600
Close sync/auth dialog after how many seconds	<input type="checkbox"/>	600
Desktop Status Window	<input type="checkbox"/>	Hidden
Event Log Machine Name	<input type="checkbox"/>	<input type="text"/> ...
Event Log Name	<input type="checkbox"/>	<input type="text"/> ...
Lock session when screen saver times out	<input type="checkbox"/>	No
Maximum number of sessions	<input type="checkbox"/>	1
Number of times to process termination	<input type="checkbox"/>	1
Prepopulate on startup	<input type="checkbox"/>	Prepopulate (received dev
Restart Computer	<input type="checkbox"/>	Disable
Shutdown Computer	<input type="checkbox"/>	Disable
Status Window X coordinate	<input type="checkbox"/>	0
Status Window Y coordinate	<input type="checkbox"/>	0
Track Memory Consumption	<input type="checkbox"/>	90
Transparent Display After Cancel	<input type="checkbox"/>	Disable
Transparent Lock	<input type="checkbox"/>	Disabled
Transparent Lock Time	<input type="checkbox"/>	5
Transparent Only Recognize Ctrl-Alt-Del	<input type="checkbox"/>	Disable

Allow administrator to close ESSO-KM

**This setting is new as of version 10.1.4.1.0.*

This setting determines whether an administrator has the ability to close ESSO-KM on a kiosk. If enabled, the administrator is then prompted to enter their credentials. Only an administrator's credentials will succeed in closing the agent.

Options:

- No
- Yes (default)

<p>Close suspended session after how many seconds</p>	<p>Enter the amount of time (in seconds) of inactivity after which ESSO-KM should close a session. Default is 600.</p>
<p>Close sync/auth dialog after how many seconds</p>	<p>Enter the amount of time (in seconds) of inactivity after which ESSO-KM should close a sync dialog or authentication dialog. Default is 600.</p>
<p>Desktop Status Window</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>This status window displays during a ESSO-KM session. It displays the current session owner's name and contains a Lock Session button which conveniently allows users to lock a session with one click from the desktop.</p> <p>Options:</p> <ul style="list-style-type: none"> • Hidden (default) • Display
<p>Event Log Machine Name</p>	<p>Enter the name of the local machine where ESSO-KM events should be logged.</p>
<p>Event Log Name</p>	<p>Enter the name of the Windows event log where ESSO-KM events should be logged.</p>
<p>Lock session when screen saver times out</p>	<p>This setting determines whether ESSO-KM should lock a session when the screen saver timeout occurs.</p> <p>Options:</p> <ul style="list-style-type: none"> • No (default) • Yes <p>If this value is set to Yes or does not exist (default value), ESSO-KM will lock the session after the screen saver timeout occurs.</p> <p>If this value is set to No, ESSO-KM will not lock the session if device detection is used to control the session (for example, Xyloc proximity badges or smart cards).</p>
<p>Maximum number of sessions</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>The number of open sessions allowed at one time. There is no maximum amount of sessions. Default is 1.</p>
<p>Number of times to process termination</p>	<p>Enter the number of times that ESSO-KM should process the termination of an application. This setting instructs the termination process to loop a certain number of times (or until it is done), whichever comes first. This allows ESSO-KM to react to an application if it displays multiple screens during the termination process. Default is 1.</p>

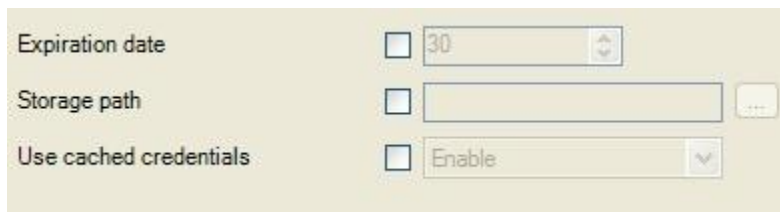
<p>Prepopulate on Startup</p>	<p>Specifies whether to run a prepopulate step at startup. If an authenticator requires this step and ESSO-AM is not installed, this setting enables ESSO-KM to perform the required prepopulation, eliminating the need for the sync manager to reauthenticate.</p> <p>Select either to run pre-populate when starting a session, a device-in event is received and ESSO-AM is installed; always run prepopulate when starting a session; or never run prepopulate. Default is to run prepopulate when a device-in event is received and ESSO-AM is installed.</p>
<p>Restart Computer</p>	<p>This setting determines whether the restart computer option is enabled in the ESSO-KM Desktop Manager. You can also choose to have only an administrator have privileges to restart the computer by selecting Administrator must supply password.</p> <hr/> <p>Note: Even if this setting is enabled, the option may still be disabled if the Kiosk account does not have sufficient privileges.</p> <hr/> <p>Options:</p> <ul style="list-style-type: none"> • Disable (default) • Enable • Administrator must supply password
<p>Shutdown Computer</p>	<p>This setting determines whether the shutdown computer option is enabled in the ESSO-KM Desktop Manager. You can also choose to have only an administrator have privileges to shut down the computer by selecting Administrator must supply password.</p> <hr/> <p>Note: Even if this setting is enabled, the option may still be disabled if the Kiosk account does not have sufficient privileges.</p> <hr/> <p>Options:</p> <ul style="list-style-type: none"> • Disable (default) • Enable • Administrator must supply password
<p>Status Window X coordinate</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>The X coordinate for the status window. This is the horizontal location of the status window on the desktop.</p> <hr/> <p>Note: Negative values are represented by large positive numbers in the registry. For example: -1 = 4294967295 and -2 = 4294967294.</p>
<p>Status Window Y coordinate</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>The Y coordinate for the status window. This is the vertical location of the status window on the desktop.</p> <hr/> <p>Note: Negative values are represented by large positive numbers in the registry. For example: -1 = 4294967295 and -2 = 4294967294.</p>

<p>Track Memory Consumption</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>This setting determines the level of memory usage at which ESSO-KM should automatically close sessions. When system memory use has reached the percentage as set by this value, ESSO-KM automatically closes the oldest user sessions.</p> <p>Minimum = 0 (disabled)</p> <p>Maximum = 100</p> <p>Default is 90.</p>
<p>Transparent Display After Cancel</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>This setting determines whether the display after cancel feature should be enabled.</p> <p>If disabled, ESSO-KM will revert to the inactivity timer to determine when to display the desktop.</p> <p>If enabled, when an authentication or synchronization dialog is canceled, the desktop will be viewable instantly.</p> <hr/> <p>Note: The Transparent Lock setting below must be turned on in order for this feature to work.</p> <hr/> <p>Options:</p> <ul style="list-style-type: none"> • Disable (default) • Enable
<p>Transparent Lock</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>This setting determines whether the transparent lock feature should be enabled. Transparent screen lock provides the ability to lock the desktop inputs (keyboard and mouse) in view mode, so for example, a monitoring application can be viewed without starting a session.</p> <p>When there are multiple sessions running, the last active session is displayed when transparent screen lock engages.</p> <p>Options:</p> <ul style="list-style-type: none"> • Disabled (default) • Show desktop with active session. Transparent screen lock will be enabled as long as there is an active session running. • Show desktop. If this option is chosen, the transparent screen lock will be enabled with or without an active session. <p>If the setting is set to Show desktop with active session, the transparent screen lock will only be enabled if there is an active session.</p>

<p>Transparent Lock Time</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>This setting determines the number of seconds to wait for mouse and keyboard inactivity before showing the desktop (default=5).</p> <hr/> <p>Note: The Transparent Lock setting above must be turned on in order for this feature to work.</p>
<p>Transparent Only Recognize Ctrl-Alt-Delete</p>	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>This setting determines whether clicking Ctrl+Alt+Delete is the only method to turn off the transparent screen lock and display the Desktop Manager.</p> <p>If disabled, any keyboard or mouse activity results in displaying the Desktop Manager.</p> <p>If enabled, all keyboard and mouse activity will be ignored. Only Ctrl-Alt-Del and authenticators that support "device-in" will be recognized to display the Desktop Manager.</p> <div style="border: 1px solid black; background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>Warning! If this setting is enabled, the machine will appear frozen if there is not any indication that Ctrl-Alt-Del is required.</p> </div> <p>Options:</p> <ul style="list-style-type: none"> • Disable (default) • Enable

Kiosk Manager > Cached Credentials

This is where you can set up ESSO-KM to cache user credentials to improve performance. Adjust the following settings to your preference:



<p>Expiration date</p>	<p>This setting determines the number of days for which cached credentials should be kept. Zero indicates that this feature is disabled. Default is 30.</p>
<p>Storage path</p>	<p>The default folder to store the cached credentials. Default is an empty string. If this value is empty, the default folder will be C:\Documents and Settings\<i>Kiosk User</i>\Local Settings\Passlogix\SessionData\<i>ESSO-KMUser</i>.</p>

Use cached credentials	This setting determines whether cached credentials should be used. This improves ESSO-KM performance.
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Kiosk Manager > Desktop > Background Image

Use this panel to upload a background image on the ESSO-KM Desktop Manager.

Image height (in pixels) The height of the image (in pixels). Default is 300.

Image placement The placement of the logo image.

Options:

- Normal. Image is placed in upper left corner of coordinates and clipped if larger than specified height and width.
- Autosize. Image is placed in upper left corner of coordinates.
- Center. Image is centered within coordinates and clipped if larger than specified height and width.
- Stretch. Image is stretched or shrunk to fit within specified coordinates.
- Maximize. Image is stretched to full screen size.

Image width (in pixels) The width of the image (in pixels). Default is 300.

Image X coordinate (in pixels) The X coordinate for the image.

Note: Negative values are represented by large positive numbers in the registry. For example: -1 = 4294967295 and -2 = 4294967294.

Image Y coordinate (in pixels) The Y coordinate for the image.

Note: Negative values are represented by large positive numbers in the registry. For example: -1 = 4294967295 and -2 = 4294967294.

Location of the image file Full- qualified path and filename to the image file. Click the ... button to locate the file.

Kiosk Manager > Desktop > Text Message

Use this panel to upload a message outside of the ESSO-KM Desktop Manager, for example, a HIPAA compliance reminder. This message will be displayed when the Desktop Manager is active.

As a reference point, the ESSO-KM Desktop Manager user interface has the following measurements:

Desktop Manager Logon Window Size

Width = 476 Pixels

Height = 404 Pixels

Desktop Manager Logon Window Origin

XOrigin = (ScreenWidth - 476)/2

YOrigin = (ScreenHeight - 404)/2

Desktop Manager Logon Window Extent (Lower right corner)

XExtent= XOrigin+476-1

YExtent= YOrigin+404-1

Example on an 800x600 display:

Desktop Manager Logon Window is:

Width: 476 Pixels x Height: 404 Pixels.

On an 800x600 display, this appears at coordinates 161, 97.

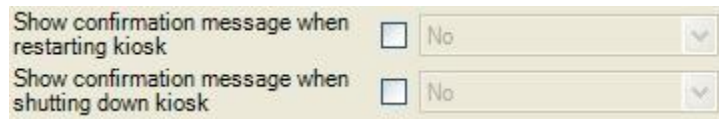
Note: Refer to the *ESSO-KM Administrator Guide* for more information.

Text Message	Message text to provide on the ESSO-KM Desktop Manager. This message will be displayed when the Desktop Manager is active.
Text Message Autosize	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>Select whether the text message should be auto-sized. This setting automatically sets the size of the control based on the size of the message.</p> <p>Options:</p> <ul style="list-style-type: none"> • Yes • No
Text Message Color Background	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>Click the ellipses ... button to select the background color for the text message.</p>
Text Message Color Foreground	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>Click the ellipses ... button to select the foreground color for the text message.</p>
Text Message Font Name	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>The font that the text message will display in. Select a font from the drop-down list.</p>
Text Message Font Size	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>The font size the text message will display in.</p>
Text Message Font Style	<p><i>*This setting is new as of version 10.1.4.1.0.</i></p> <p>The font style the text message will display in.</p> <p>Options:</p> <ul style="list-style-type: none"> • Regular • Bold • Italic
Text Message height (in pixels)	The height of the message of the day (in pixels). Default is 300.
Text Message width (in pixels)	The width of the message of the day (in pixels). Default is 300.
Text Message X coordinate (in pixels)	<p>The X coordinate for the text message.</p> <p>Note: Negative values are represented by large positive numbers in the registry. For example: -1 = 4294967295 and -2 = 4294967294.</p>

<p>Text Message Y coordinate (in pixels)</p>	<p>The Y coordinate for the text message.</p> <hr/> <p>Note: Negative values are represented by large positive numbers in the registry. For example: -1 = 4294967295 and -2 = 4294967294.</p>
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Kiosk Manager > Advanced

The advanced settings let you control the confirmation messages presented by ESSO-KM.



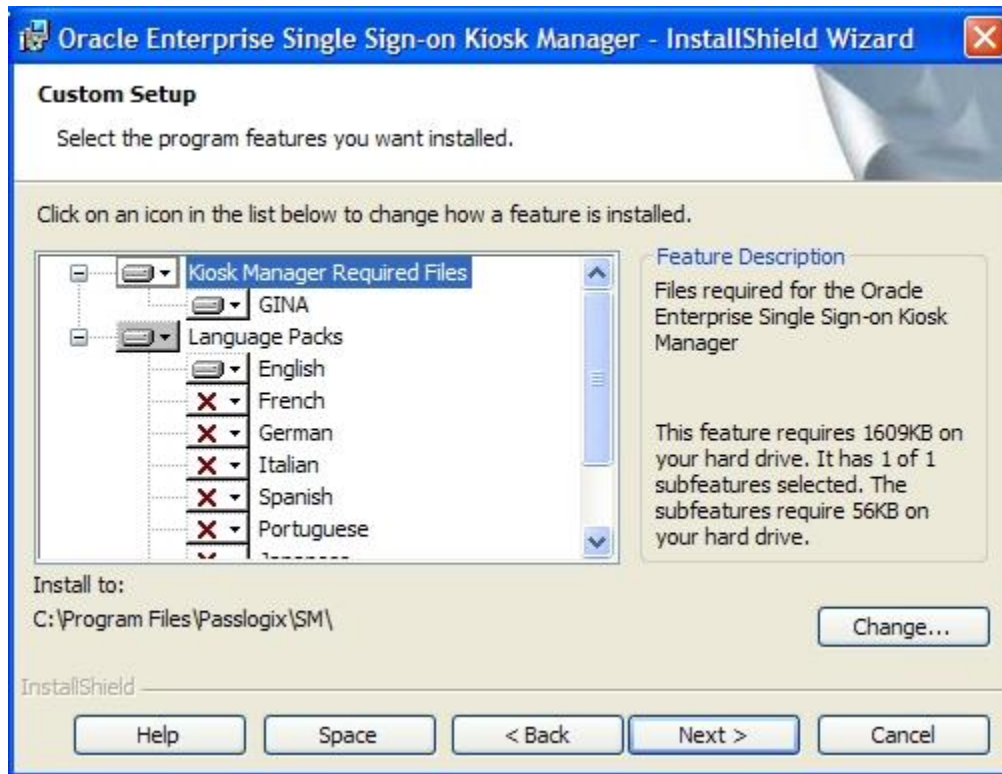
<p>Show confirmation message when restarting kiosk</p>	<p>This setting determines whether a user should be prompted with a confirmation message after choosing to restart the kiosk.</p>
<p>Show confirmation message when shutting down kiosk</p>	<p>This setting determines whether a user should be prompted with a confirmation message after choosing to shut down the kiosk.</p>

Install ESSO-KM

Follow these steps to install the ESSO-KM Client Agent.

1. Close all programs.
2. Place the installation CD in your CD-ROM drive (or start the installation from a shared network drive).
3. The Choose Demonstration Language dialog may appear depending on your installation. Select the language and click **OK**.
4. The Welcome Panel appears. Click **Next**.
5. The License Agreement panel appears. Read the license agreement carefully. Select **I accept the terms in the license agreement** and click **Next** to continue.
6. Select a setup type. The Complete type installs all program features. The Custom option allows you to choose:
 - a. **Kiosk Manager Required Files:**
 - **GINA:** The ESSO-KM GINA is installed by default. To support non-kiosk scenarios, the option to not install the GINA is available. If the GINA is not installed, the ESSO-KM agent (SMAgent) will not auto-start, but events can be triggered through the command line from other applications. In other words, you can install ESSO-KM on a workstation and have it only run when executed. See the *ESSO-KM Administrator Guide* for more information on using the command-line options.
 - b. **Language Packs:** If you will be using localized language support to display ESSO-KM in other languages, install the language pack on the Custom Panel under **Language Packs**.

Click **Next**.



8. ESSO-KM is ready to be installed. Click **Install**.
9. Wait for the installation to complete. When it is done, click **Finish**. ESSO-KM prompts you to restart your computer.

Restart your Computer

After you complete the installation of ESSO-KM, you are prompted to restart your computer. Upon restart, ESSO-KM integrates with the ESSO-LM system tray menu. Refer to the *ESSO-KM User Guide* for more information about the system tray menu.

Note: ESSO-KM removes the ESSO-LM userinit entries. If ESSO-KM is uninstalled, you will need to repair your ESSO-LM installation through the Add/Remove Programs dialog. See [Uninstalling ESSO-KM](#).

Adjust Windows Screen Saver Settings

The ESSO-KM Desktop Manager has a lock that is triggered by the normal Operating System (OS) level session lock timeout (the OS inactivity time value).

To change this value:

1. Open the Windows Display Properties dialog box (right-click on the desktop and click **Properties**) and click the **Screen Saver** tab.
2. Select a Screen Saver and change the **Wait** time to the desired amount of time (in minutes) a session should be inactive before ESSO-KM suspends the session.

Upgrade to ESSO-KM 10.1.4.1.0

If you are performing an upgrade from ESSO-KM 10.1.4.0.3 or earlier, you must take certain steps to ensure a successful upgrade.

ESSO-KM will migrate and work with old lists (those to close on session end). It migrates the Close lists to Terminate lists. Follow these steps:

1. Upgrade all ESSO-KM clients to ESSO-KM 10.1.4.1.0. Follow the instructions in this guide.
2. Upgrade the ESSO-LM Administrative Console to ESSO-LM 10.1.4.1.0. Please see the *ESSO-LM Installation and Setup Guide* for more information.
3. When you run the Administrative Console for the first time, the lists are migrated. Any lists that are migrated from previous versions of ESSO-KM are automatically disabled if the `TermOpType` registry key was used to ignore this type of list (the `TermOpType` registry key was removed in the last release). After the migration occurs, go through all the lists in the console to make sure they are enabled (the **Disabled** check box should not be checked).
4. Export the new lists to the server.

Note: Before you proceed, you must upgrade the ESSO-KM clients to ESSO-KM version 10.1.4.1.0. If you upgrade the Administrative Console, migrate the lists, and export them to ESSO-KM, the old ESSO-KM will not recognize these lists.

When an old list is migrated, a session state will be created. This session state will mark the ESSO-KM **session end** checkbox on the **Events** tab and mark all the authenticators on the **Authenticators** tab.

Uninstall ESSO-KM 10.1.4.1.0

Follow these steps to uninstall ESSO-KM.

Note: ESSO-KM must be shut down before uninstall.

1. Open the Control Panel and select **Add/Remove Programs**.
2. Select **Oracle Enterprise Single Sign-on Kiosk Manager**.
3. Click **Remove**.
4. Follow the prompts to uninstall ESSO-KM.
5. ESSO-KM prompts you to restart your computer. Click **No**.
6. Go back into the **Add/Remove Programs** (or **Programs and Features**) dialog box. Select **ESSO-LM** and click **Change**.
7. The ESSO-LM InstallShield wizard opens. Click **Next**.
8. Select **Repair** and click **Next**.
9. ESSO-LM is ready to be installed. Click **Install**.
10. Wait for the installation to complete. When it is done, click **Finish**.
11. Restart your computer.

Note: ESSO-KM removes any ESSO-LM Global Agent Settings that are changed while ESSO-KM is installed. If ESSO-KM is uninstalled, you must re-apply these settings to ESSO-LM. For example, in the ESSO-LM Administrative Console, under **Synchronization**, change **Delete Local Cache** back to **Do Not Delete**.