Oracle® Enterprise Single Sign-on Suite Plus Reporting
Configuring Enterprise Single Sign-on to Log Events for Reporting
Release 11.1.1.2.0
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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	ESSO-LM 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

About Oracle Enterprise Single Sign-on Suite Plus Reporting

Oracle Enterprise Single Sign-on Suite Plus Reporting version 11.1.1.2.0 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.

The Reporting sub-system consists of 4 main components:

- **Centralized SQL Database** – contains all event information required for Reporting.
- **Web-based Reporting Administrative Console** – accesses the SQL database and generates reports using the event records.
- **SSO Reporting Service** – collects audit/reporting events into the SQL database.
- **Oracle Enterprise Single Sign-on Suite Plus Products** - captures event information and sends the events to the SSO Reporting Service.

About this Guide

This guide describes how to configure ESSO-LM to capture event information and send the events to the Reporting Database.

The instructions in this guide are based on ESSO-LM v11.1.1.2.0.

The database should be configured prior to executing the steps in this guide. Refer to the *Oracle Enterprise Single Sign-on Suite Plus Reporting Database Configuration Guide*.

> Oracle Enterprise Single Sign-on Suite Plus Reporting version 11.1.1.2.0 is only supported with ESSO-LM version 11.1.1.2.0.

ESSO-LM Configuration Overview

The following is a brief overview of the procedures that you must follow in order to successfully configure ESSO-LM to log events and send them to the Reporting database:

- Install ESSO-LM Agent and Administrative Console
- Configure Reporting settings in ESSO-LM Administrative Console
- Next Steps

Install ESSO-LM Agent and Administrative Console

If it is not already installed, download and install the ESSO-LM version 11.1.1.2.0 Agent and Administrative Console.

When installing the ESSO-LM Agent, you must install the Reporting Extension:

1. On the Setup Type panel, select a **Custom Setup**.
2. On the Custom Setup panel, expand **Event Manager**.
3. Select **Reporting Extension** and set it to install.
4. Complete installation.
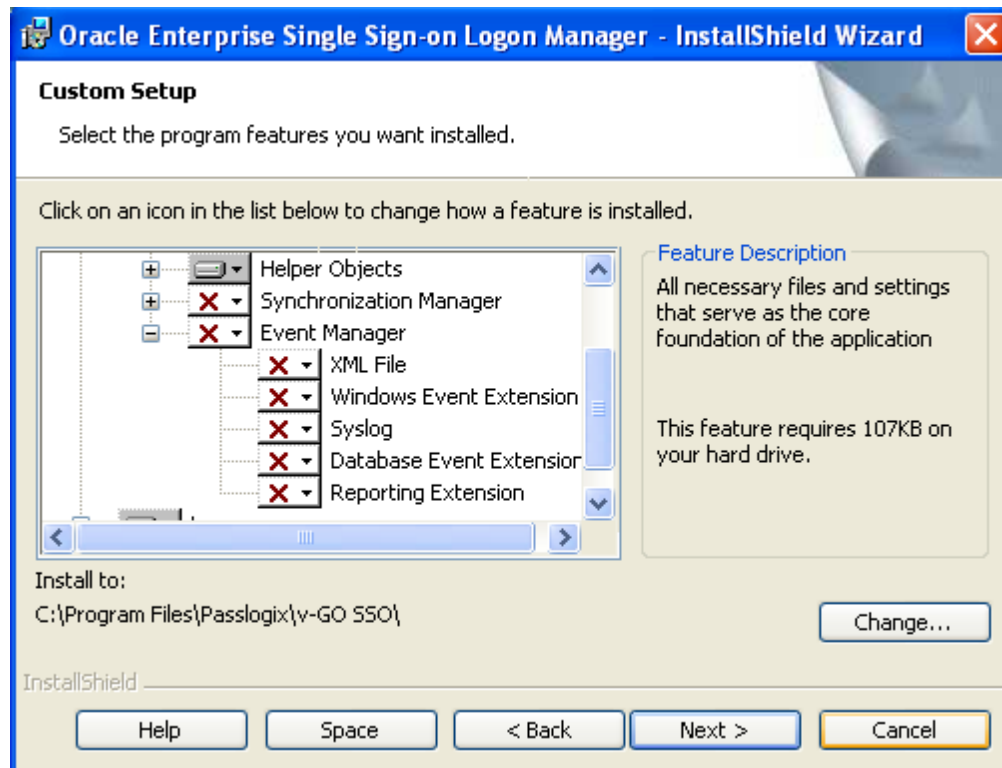
Refer to the *ESSO-LM Installation and Setup Guide* for specific instructions.

Configure Reporting Settings

To configure ESSO-LM to begin capturing events, you must adjust some settings in the ESSO-LM Administrative Console.

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 right-click **Global Agent Settings**, point to **Import**, click **From Live HKLM**, expand **Live**).

3. Click on **Reporting**. Set the **Retry Interval** setting. This setting defines the number of minutes between sequential operations of the Reporting Service Cache offloading events to the database. An interval is necessary to reduce database connection load. The default is 30, and regardless of what interval is set, the initial offloading of events to the database will happen 30 minutes after ESSO-LM is started for the first time after the Reporting Extension is installed and configured.

4. Expand **Reporting** and select **Database**. Configure the three settings on this panel:

Connection String	☐	
Extension Location	☐	...
Stored Procedure	☐	dbo.sp_WriteEvents

- **Connection String:** Enter the database connection string in OLE DB format. The machine must be within the domain. For example:
  ```
  Provider=SQLOLEDB.1;Integrated Security=SSPI;Persist
  Security Info=False;Initial Catalog=<Database Name>;
  Data Source=<database server>.
  ```
- **Extension Location:** Path\filename of the Reporting Database Extension that points to the `ReportingDBExt.dll`. You must set this path to the installation location, for example:
  "C:\Program Files\Oracle\ESSO-LM Reporting Service\ReportingDBExt.dll".
- **Stored Procedure:** The name of the stored procedure in the database. When encoded events are sent to the database, the stored procedure is called to decode the XML file and store the events in the database. Set this to "dbo.sp_WriteEvents".

5. Under Global Agent Settings, expand **Event Logging** and select **Reporting**.

- **Extension Location:** Path\filename of the Reporting Extension that points to the `ReportingExt.dll`. You must set this path to the installation location, for example:
  "C:\Program Files\Passlogix\v-GO SSO\Plugin\EventMgr\ReportingExt.dll".

6. Export the settings to the ESSO-LM Agent. Refer to the ESSO-LM documentation for information on exporting Global Agent Settings.

Next Steps

Once ESSO-LM is configured to capture events and store them in the database, you can then install the Oracle Enterprise Single Sign-on Suite Plus Reporting Administrative Console and begin generating reports.