Oracle® Enterprise Single Sign-on Suite Plus Reporting
Configuring Enterprise Single Sign-on to Log Events for Reporting
Release 11.1.1.5.0
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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-Anywhere	Oracle Enterprise Single Sign-on Anywhere
ESSO-PG	Oracle Enterprise Single Sign-on Provisioning Gateway
ESSO-LM	Oracle Enterprise Single Sign-on Logon Manager
ESSO-PR	Oracle Enterprise Single Sign-on Password Reset
ESSO-UAM	Oracle Enterprise Single Sign-on Universal Authentication Manager

About Oracle Enterprise Single Sign-on Suite Plus Reporting

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.

The Reporting sub-system consists of 4 main components:

- **Centralized Database** – contains all event information required for Reporting.
- **Web-based Reporting Administrative Console** – accesses the SQL Database and generates reports using the event records. Reports may also be manually generated by querying the Oracle Database. The Oracle Database is not accessible through the Reporting Administrative Console.
- **SSO Reporting Service** – collects audit/reporting events into the 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 v11.1.1.5.0.

The database should be configured prior to executing the steps in this guide.

- For SQL, refer to the *Oracle Enterprise Single Sign-on Suite Plus Reporting SQL Database Configuration Guide* for information on this.
- For Oracle Database, refer to the *Oracle Enterprise Single Sign-on Suite Plus Reporting Oracle Database Configuration Guide*.

> Oracle Enterprise Single Sign-on Suite Plus Reporting version 11.1.1.5.0 is only supported with ESSO-LM version 11.1.1.5.0.

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 11.1.1.5.0 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 **Audit Logging Methods**.
3. Select **ESSO Reporting Server** and set it to install.
4. Follow the on-screen instructions to complete the installation.
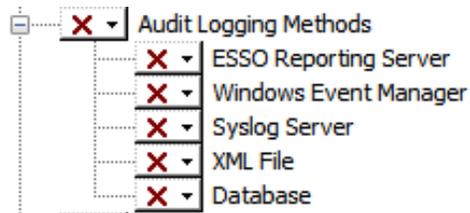
> Refer to the *ESSO-LM Installation and Setup Guide* for specific instructions.

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. Expand **Audit Logging** and select **Reporting Server**. Configure the following settings:

- **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>.
  ```
- **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".
- **Batch size:** Defines the group size of events to be sent to the database Stored Procedure at one time. For example, if you have 1000 events in the Reporting Service cache and the Batch Size = 100, you will have 10 database Stored Procedure calls. (Default is 100.)
- **Cache limit:** Maximum number of reporting events to be cached. Once this number is reached, the oldest events are discarded. For example, if the batch size is 100, and an end-user's system cannot connect to the reporting service, it will keep logging events. Once it gets to 1000, the oldest events will be discarded. (Default is 1000.)
- **Retry interval:** Defines timeout in minutes between sequential operations of the Reporting Service Cache offloading events to the database. An interval is necessary to reduce database connection load. (Default is 30.) Retry Interval should be set to 0 when Reporting is used.

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, do one of the following:

- For SQL, install the Oracle Enterprise Single Sign-on Suite Plus Reporting Administrative Console and begin generating reports.
- For Oracle Database, refer to the *Oracle Enterprise Single Sign-on Suite Plus Reporting Oracle Database Configuration Guide*.