Oracle® Enterprise Single Sign-on Suite Plus Reporting

Event Table

Release 11.1.1.5.0

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Oracle Enterprise Single Sign-on Suite Plus Reporting, Event Table, Release 11.1.1.5.0

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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

While Oracle makes every effort to deliver useful and complete reports, it is understood that customers occasionally need more detailed or customized reporting capabilities. Therefore, this guide describes the reporting event table and the values contained within.

Reporting Event Definition Table

In this section, the reporting event table and the values contained within are described. Events will not always have every field populated. The fields populated depend on the product and context in which the event was generated. All fields are textual in nature, except for the timestamp's and any fields specific to Oracle use. Some values have specific enumerated values which are included under the description as applicable.

Below is the SQL Server Script used to create the event log table.

```
CREATE TABLE [dbo].[tblEventsLog](
    [ID]                        [int] IDENTITY(1,1) NOT FOR
REPLICATION NOT NULL,
    [GUID]                      [varchar](400) NOT NULL,
    [ProductName]               [varchar](400) NULL,
    [ProductVersion]            [varchar](400) NULL,
    [HostName]                  [varchar](400) NULL,
    [LogonMethod]               [varchar](400) NULL,
    [CredentialType]            [varchar](400) NULL,
    [Operation]                 [varchar](400) NULL,
    [SSOUserId]                 [varchar](400) NULL,
    [WindowsUserName]           [nvarchar](400) NULL,
    [ApplicationName]           [nvarchar](400) NULL,
    [ApplicationReference]      [nvarchar](400) NULL,
    [ApplicationUserId]         [nvarchar](400) NULL,
    [ApplicationThirdField]     [nvarchar](400) NULL,
    [ApplicationFourthField]    [nvarchar](400) NULL,
    [SAMAccountName]            [nvarchar](400) NULL,
    [Comment]                   [nvarchar](max) NULL,
    [EventtimeClient]           datetime NULL,
    [EventtimeServer]           datetime NULL,
    [HashType]                  [tinyint] NOT NULL,
    [HashValue]                 [varchar](400) NOT NULL,
CONSTRAINT [PK_tblEventsLog] PRIMARY KEY CLUSTERED
(
    [ID] ASC
)WITH (PAD_INDEX  = OFF, STATISTICS_NORECOMPUTE  = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS  = ON,
ALLOW_PAGE_LOCKS  = ON, FILLFACTOR = 90) ON [PRIMARY]
) ON [PRIMARY]
```

Definitions

GUID

A Globally Unique Identifier. Every event generated has an identifier that is unique to that specific event.

> This field is generally not needed for reporting purposes but may be useful for accounting purposes.

ProductName

The name of the Oracle Enterprise Single Sign-on Suite Plus product that generated the event.

Current Values:

- SSO_Server
- SSO_Client
- SAM_Server
- SAM_Client
- PM_Server
- PM_Client
- SSPR
- AM
- SM
- UAM
- ODE
- NotificationService
- ReportingService

ProductVersion

The version of the Oracle Enterprise Single Sign-on Suite Plus product that generated the event.

HostName

The name of the host or machine that generated the event.

LogonMethod

The logon method that was used if applicable for the given event.

Current Values:

- WinAuth
- MsAuth
- LDAPv1
- LDAPv2
- MultiAuth

CredentialType

Denotes the type of credential if available.

Current Values:

- Standard
- Shared

Operation

This defines the nature of the event generated by a given Oracle Enterprise Single Sign-on Suite Plus product.

Current Values:

- Login
- CredentialChange_Username
- CredentialChange_Password
- CredentialChange_Third
- CredentialChange_Forth
- Pause
- Shutdown_Manual
- Shutdown_Programmatic
- Resume
- FirstTimeUse
- CredentialAdded
- CredentialDeleted
- CredentialAddAborted
- Auth_Failure
- Auth_Success
- Auth_Enrollment
- Auth_Unenrollment
- Start
- SM_AuthenticatorLogon
- SM_SessionStart
- SM_SessionLock
- SM_SessionUnlock
- SM_SessionEnd
- SM_SessionExpiration
- SM_MachineShutdown
- SM_MachineRestart
- SM_ManagerExit
- SM_SpecialActionExec
- SM_RunListExecNet
- SM_RunListExecScript
- SM_TerminateListExec
- Enrollment
- PasswordReset_Success
- PasswordReset_Fail
- Re-enrollment

SSOUserId

This is the User ID that ESSO-LM uses for synchronization with the corporate repository, such as Active Directory or LDAP. If the generated event is from another Oracle Enterprise Single Sign-on Suite Plus product or a repository not in use, this field will be the user's Windows Logon name, for example `<domain>\<user>`.

WindowsUserName

This is the Windows logon name for the system that generated the event, for example <domain>\<user>. This may or may not be the same as SSOUserId.

ApplicationName

This is the name of the application that was the target of event generation, such as an ESSO-LM logon to Outlook, AIM etc.

ApplicationReference

The application template reference for the credential used, if available.

ApplicationUserId

The User ID for the application this credential belongs to.

ApplicationThirdField

This field will be populated with the Third Field if the credential used contains additional information.

> If the template is masked by definition, this field will contain "<masked>" so as not to expose sensitive information.

ApplicationFourthField

This field will be populated with the Fourth Field if the credential used contains additional information.

> If the template is masked by definition, this field will contain "<masked>" so as not to expose sensitive information.

SAMAccountName

If this event was generated from a Shared Account, this will contain the name of that Shared Account.

Comment

Additional (and optional) information regarding this event.

EventtimeClient

This is the time (in GMT) format when the event was 'created' on the local system.

> This time is sourced from the local system – while stored in GMT format, if the local system time is incorrect, it will be reflected/stored in this field.

EventtimeServer

This is the time (in GMT) format that the event was 'stored' in the database.

> This field is sourced from the system that contains the database. The database itself creates this timestamp when the event is stored.

EventtimeEnrollment

This field is the time (in GMT format) that the user's cryptographic key was generated or updated. The cryptographic key is used to encrypt credentials when a user enrolls to an authenticator or changes the enrollment. This field is set only for the Auth_Enrollment and Auth_Unenrollment events.

HashType

Oracle internal use only.

HashValue

Oracle internal use only.