Oracle Applications Cloud
Using Oracle Audit Vault
Release 8

April 2014
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This Preface introduces the guides, online help, and other information sources available to help you more effectively use Oracle Fusion Applications.

Oracle Fusion Applications Help

You can access Oracle Fusion Applications Help for the current page, section, activity, or task by clicking the help icon. The following figure depicts the help icon.

Note

If you don’t see any help icons on your page, then click the Show Help icon button in the global area. However, not all pages have help icons.

You can add custom help files to replace or supplement the provided content. Each release update includes new help content to ensure you have access to the latest information. Patching does not affect your custom help content.

Oracle Fusion Applications Guides

Oracle Fusion Applications guides are a structured collection of the help topics, examples, and FAQs from the help system packaged for easy download and offline reference, and sequenced to facilitate learning. To access the guides, go to any page in Oracle Fusion Applications Help and select Documentation Library from the Navigator menu.

Guides are designed for specific audiences:

- **User Guides** address the tasks in one or more business processes. They are intended for users who perform these tasks, and managers looking for an overview of the business processes. They are organized by the business process activities and tasks.

- **Implementation Guides** address the tasks required to set up an offering, or selected features of an offering. They are intended for implementors. They are organized to follow the task list sequence of the offerings, as displayed within the Setup and Maintenance work area provided by Oracle Fusion Functional Setup Manager.

- **Concept Guides** explain the key concepts and decisions for a specific area of functionality. They are intended for decision makers, such as chief
financial officers, financial analysts, and implementation consultants. They are organized by the logical flow of features and functions.

- **Security Reference Manuals** describe the predefined data that is included in the security reference implementation for one offering. They are intended for implementors, security administrators, and auditors. They are organized by role.

These guides cover specific business processes and offerings. Common areas are addressed in the guides listed in the following table.

<table>
<thead>
<tr>
<th>Guide</th>
<th>Intended Audience</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common User Guide</td>
<td>All users</td>
<td>Explains tasks performed by most users.</td>
</tr>
<tr>
<td>Common Implementation Guide</td>
<td>Implementors</td>
<td>Explains tasks within the Define Common Applications Configuration task list, which is included in all offerings.</td>
</tr>
<tr>
<td>Functional Setup Manager User Guide</td>
<td>Implementors</td>
<td>Explains how to use Oracle Fusion Functional Setup Manager to plan, manage, and track your implementation projects, migrate setup data, and validate implementations.</td>
</tr>
<tr>
<td>Technical Guides</td>
<td>System administrators, application developers, and technical members of implementation teams</td>
<td>Explain how to install, patch, administer, and customize Oracle Fusion Applications. \Note Limited content applicable to Oracle Cloud implementations.</td>
</tr>
</tbody>
</table>

For other guides, go to Oracle Technology Network at http://www.oracle.com/technetwork/indexes/documentation.

**Other Information Sources**

**My Oracle Support**

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Use the My Oracle Support Knowledge Browser to find documents for a product area. You can search for release-specific information, such as patches, alerts, white papers, and troubleshooting tips. Other services include health checks, guided lifecycle advice, and direct contact with industry experts through the My Oracle Support Community.
Oracle Enterprise Repository for Oracle Fusion Applications

Oracle Enterprise Repository for Oracle Fusion Applications provides details on service-oriented architecture assets to help you manage the lifecycle of your software from planning through implementation, testing, production, and changes.

In Oracle Fusion Applications, you can use Oracle Enterprise Repository at http://fusionappsoer.oracle.com for:

- Technical information about integrating with other applications, including services, operations, composites, events, and integration tables. The classification scheme shows the scenarios in which you use the assets, and includes diagrams, schematics, and links to other technical documentation.

- Other technical information such as reusable components, policies, architecture diagrams, and topology diagrams.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/us/corporate/accessibility/index.html.

Comments and Suggestions

Your comments are important to us. We encourage you to send us feedback about Oracle Fusion Applications Help and guides. Please send your suggestions to oracle_fusion_applications_help_ww_grp@oracle.com. You can use Send Feedback to Oracle from the Settings and Actions menu in Oracle Fusion Applications Help.
Oracle Audit Vault for Oracle Fusion Applications Cloud Service: Overview

Oracle Audit Vault for Oracle Fusion Applications Cloud Service is a detective control that monitors and records user actions at the database level. You can use this product to track the activity of privileged users, to log access to sensitive information, and to provide evidence of compliance with Sarbanes-Oxley (SOX) and other regulations.

Oracle Audit Vault for Oracle Fusion Applications Cloud Service tracks the activity of highly privileged users, such as database and system administrators. Tracked database actions include:

- Starting up and shutting down the database
- Changing or deleting audit data
- Changing audit events for any user
- Changing the schema object
- Creating privileged user

This product also captures all database actions made on a predefined set of database objects; it logs these actions when application users perform tasks such as:

- Creating employees outside of the usual hiring process
- Changing employee-to-organization relationship information
- Changing employment information outside of the usual application mechanisms and processes
- Changing a person’s job, work event, or work history information
- Changing a person’s contract information
• Changing a person’s compensation information
• Changing a person’s bank account information
• Changing a person’s security information
• Changing someone’s personal information
• Changing a person’s national identification information

Your audit data includes before and after values in each recorded row. You can trace these values back to the original record and verify that the audit trail is complete. Each row of your audit data also provides the identity of the user who performs the action and the time it occurs.

Objects and Actions Tracked by Oracle Audit Vault for Oracle Fusion Applications Cloud Service: Explained

Use the Oracle Audit Vault for Oracle Fusion Applications Cloud service when you want to track activity at the database level.

The product tracks:

• Actions of highly privileged users
• Activity in database objects that contain sensitive information
• Queries of database objects that contain sensitive information

Tracking Actions of Highly Privileged Users

As highly privileged users, DBAs and administrators have access to powerful SQL commands that can change the logical structures, or metadata, of the database and database objects. DBAs can also use these commands to modify security privileges and erase audit data. Oracle Audit Vault for Oracle Applications Cloud service monitors SQL actions of these users.

The following table lists the SQL actions and corresponding database object types that the product tracks:

<table>
<thead>
<tr>
<th>SQL Action</th>
<th>Database Object Type</th>
<th>Frequency Recorded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alter</td>
<td>Database</td>
<td>Each occurrence</td>
</tr>
<tr>
<td></td>
<td>Procedure</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Profile</td>
<td></td>
</tr>
<tr>
<td></td>
<td>System</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Table</td>
<td></td>
</tr>
<tr>
<td></td>
<td>User</td>
<td></td>
</tr>
<tr>
<td>SQL Action</td>
<td>Database Object Type</td>
<td>Frequency Recorded</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Audit</td>
<td>System</td>
<td>Each occurrence</td>
</tr>
<tr>
<td>Create</td>
<td>External job</td>
<td>Each occurrence</td>
</tr>
<tr>
<td></td>
<td>Job</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Library</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Procedure</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Public database link</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Session</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Table</td>
<td></td>
</tr>
<tr>
<td></td>
<td>User</td>
<td></td>
</tr>
<tr>
<td>Drop</td>
<td>Procedure</td>
<td>Each occurrence</td>
</tr>
<tr>
<td></td>
<td>Profile</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Table</td>
<td></td>
</tr>
<tr>
<td></td>
<td>User</td>
<td></td>
</tr>
<tr>
<td>Exempt</td>
<td>Access policy</td>
<td>Each occurrence</td>
</tr>
<tr>
<td>Grant</td>
<td>Object privilege</td>
<td>Each occurrence</td>
</tr>
<tr>
<td></td>
<td>Privilege</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Role</td>
<td></td>
</tr>
</tbody>
</table>

**Tracking Activity in Database Objects That Contain Sensitive Information**

Oracle Audit Vault for Oracle Fusion Applications Cloud Service tracks specific SQL actions in database objects that store sensitive data, such as Personally Identifiable Information (PII).

The product tracks the following SQL actions:

- Alter
- Analyze
- Associate statistics
- Audit
- Comment
- Create
• Delete
• Disassociate statistics
• Drop
• Flashback
• Grant
• Insert
• Lock
• Merge
• Noaudit
• Purge
• Revoke
• Rename
• Truncate
• Undrop
• Update

The product tracks the SQL activity in the following database objects that contain sensitive information:

• CMP_SALARY
• CMP_SALARY_BASES
• CMP_SALARY_BASES_TL
• CMP_SALARY_COMPONENTS
• IBY_EXT_BANK_ACCOUNTS
• PAY_ASSIGNED_PAYROLLS_DN
• PAY_FLW_SECURITY_PROFILE_PAYS
• PAY_FLW_SECURITY_PROFILES
• PAY_PAY_SECURITY_PROFILE_PAYS
• PAY_PAY_SECURITY_PROFILES
• PAY_PERSON_PAY_METHODS_F
• PAY_REL_GROUPS_DN
• PER_ALL_ASSIGNMENTS_M
• PER_ALL_PEOPLE_F
• PER_ASSIGN_WORK_MEASURES_F
• PER_CONTRACTS_F
• PER_COUNTRY_SEC_PROF_COUNTRIES
• PER_COUNTRY_SECURITY_PROFILES
• PER_DOC_TYPE_SEC_PROF_DOCTYPE
• PER_DOC_TYPE_SECURITY_PROFILES
• PER_GEN_DATA_ROLE_PROFILES
• PER_GENERATED_DATA_ROLES
• PER_LDG_SECURITY_PROFILE_LDGS
• PER_LDG_SECURITY_PROFILES
• PER_LOC_SEC_PROFILE_LOCATIONS
• PER_LOCATION_SECURITY_PROFILES
• PER_NATIONAL_IDENTIFIERS
• PER_ORG_SEC_PROFILE_CLASSES
• PER_ORG_SEC_PROFILE_ORGS
• PER_ORG_SECURITY_PROFILES
• PER_PERIODS_OF_SERVICE
• PER_PERSON_NAMES_F
• PER_PERSON_SEC_PROF_MGR_TYPES
• PER_PERSON_SEC_PROF_PER_TYPES
• PER_PERSON_SECURITY_PROFILES
• PER_PERSON_TYPE_USAGES_M
• PER_PERSONS
• PER_POS_SEC_PROFILE_POSITIONS
• PER_POSITION_SECURITY_PROFILES
• WLM_PROCESS_SEC_PROF_PROCS
• WLM_PROCESS_SECURITY_PROFILES

Note

Oracle provides functional and technical information about these database objects in Oracle Enterprise Repository for Oracle Fusion Applications (http://fusionappsoer.oracle.com). Search the Table asset type.
Tracking Queries of Data Objects That Contain Sensitive Information

The SQL SELECT command is the foundation of all SQL statements that retrieve data from, or query, database objects in your application. Oracle Audit Vault for Oracle Applications Cloud tracks SELECT activity in database objects that store sensitive information.

The product tracks SELECT activity in the following database objects:

- CMP_CWB_PERSON_INFO
- EXM_CARD_HOLDER_DETAILS
- EXM_CREDIT_CARD_TRXNS
- EXM_EXPENSES
- HZ_ADDTNL_PARTY_IDS
- HZ_ADDTNL_PARTY_NAMES
- HZ_CITIZENSHIP
- HZ_CONTACT_POINTS
- HZ_CUST_ACCOUNTS
- HZ_LOCATION_PROFILES
- HZ_LOCATIONS
- HZ_PARTIES
- HZ_PARTY_SITES
- HZ_PERSON_PROFILES
- IBY_EXTERNAL_PAYEES_ALL
- IBY_PAYMENTS_ALL
- IBY_TRXN_CORE
- IBY_TRXN_SUMMARIES_ALL
- JE_ES_MODELO_190_ALL
- JTF_RS_SALESREPS
- PAY_ACTION_INFORMATION
- PAY_DIR_CARD_COMPONENTS_F
- PAY_DIR_COMP_DETAILS_F
- PAY_FILE_DETAILS
- PER_ADDRESSES
- PER_ADDRESSES_F
Auditing Your Applications: Points to Consider

Two categories of auditing exist in Oracle Applications Cloud. Both categories provide monitoring and tracking capabilities; however they differ in flexibility, control, access, and reporting.

Comparison of Audit Features

Use the following matrix to help you make audit choices. The matrix compares and contrasts the features of these two audit features:

- Oracle Audit Vault for Oracle Fusion Applications Cloud Service
- Application Audit

<table>
<thead>
<tr>
<th>Question</th>
<th>Oracle Audit Vault For Oracle Fusion Applications Cloud Service</th>
<th>Application Audit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is this a standard or extended (separately purchased) feature?</td>
<td>Separately purchased</td>
<td>Standard</td>
</tr>
<tr>
<td>Question</td>
<td>Oracle Audit Vault For Oracle Fusion Applications Cloud Service</td>
<td>Application Audit</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>What component does it track?</td>
<td>Database objects</td>
<td>Application or Java objects</td>
</tr>
<tr>
<td>Is there a user interface so I can configure and monitor the audit?</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Who creates the audit policies?</td>
<td>Oracle cloud operations</td>
<td>You, the service account owner</td>
</tr>
<tr>
<td>Who decides what to audit?</td>
<td>Oracle cloud operations</td>
<td>You, the service account owner</td>
</tr>
<tr>
<td>Can I customize my audit with unique requirements?</td>
<td>Only as an enhancement request</td>
<td>You control your audit configuration</td>
</tr>
<tr>
<td>Do limitations exist to what I can audit?</td>
<td>You can audit any database object</td>
<td>You can audit a predefined set of audit-enabled objects</td>
</tr>
<tr>
<td>Can I monitor data access, even if the data isn’t modified?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Are technical codes resolved into meaningful terms?</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Can I create and publish reports at will?</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Oracle Audit Vault for Oracle Fusion Applications Cloud Service**

**Report Data: Explained**

Oracle Audit Vault for Oracle Fusion Applications Cloud Service delivers audit data for each service account. The report format, a CSV file, is standardized across all service accounts.

These columns appear in your report:

- Source
- Target
- Host
- Event Status
- Event Sub Class
- Owner
- New Target
- OS User
- Client ID
- Session Login Name
- Statement ID
- Database Name
- Session Actions
- Parent Context
- System Privileges
- Column Permissions
- Rule Name
- Original Content 3
- Severity
- Category
- Host
- Version
- Source Event
- Event Duration
- Associated Owner
- Target Type
- Enduser
- Global User
- SCN
- Object ID
- Coordinator Node
- Audit Option
- Transaction ID
- Grantee User
- Rule Set ID
- Factor Identifiers
- Error Message
- Trusted Context
- Event
- Event Time
- IP Address
- Current Value
- Event End Time
- Associated Target
- Owner ID
- Terminal
- GUID
- Bind Variables
- Database ID
- Origin Node
- Admin Option
- Priv Name
- Comment Text
- Rule Set Name
- Original Content 1
- Module Name
- User
- Source Type
- Audit Vault Time
- Previous Value
- Authentication Method
- New Owner
- Package Information
- Program Name
- Is System
- SQL Text
- Server Name
- Proxy Session ID
- Session ID
• Object Privileges
• FGA Policy Name
• Rule ID
• Original Content 2
• Error ID

To receive your audit data,

1. Submit a service request (SR) through My Oracle Support.
2. Select your product offering from the following:
   • Advanced Data Security - Oracle Audit Vault for Oracle Sales Cloud Service
   • Advanced Data Security - Oracle Audit Vault for Oracle Fusion Human Capital Management Cloud Service
   • Advanced Data Security - Oracle Audit Vault for Oracle Fusion Enterprise Resource Planning Cloud Service
3. Select the Audit Vault template and then submit your request
4. The support team will then send you a report that includes all of your raw audit data
FAQs for Oracle Audit Vault for Oracle Applications Cloud Service

What’s the primary difference between Oracle Audit Vault for Oracle Applications Cloud and Application Audit?

Although the two audit types differ in many aspects, the significant difference is that the cloud service audits at the database layer, while the Application Audit monitors the application layer.

How can I request changes to the content provided by the Oracle Audit Vault for Oracle Applications Cloud Service report?

You must submit an enhancement request for content changes because Oracle Audit Vault for Oracle Applications Cloud Service tracks and reports the same items for all service accounts.

How do I request my audit data?

Access My Oracle Support and submit a service request (SR). When Oracle Support notifies you that your report is ready, you can download the file from the SR that you submitted.

Do I receive an unlimited number of audit reports?

No, you can make up to 48 report requests in a 12 month period.
PII

Abbreviation for personally identifiable information.