

# D

## Considerations for Transitioning from Traditional to Unified Auditing

If you want to transition to unified auditing after you have upgraded to Oracle Database 23ai, note that most of the traditional auditing features will continue to exist in Oracle Database 23ai to help you transition smoothly.

Table D-1 describes how the characteristics of database auditing features differ with transition.

**Table D-1 Characteristics of Oracle Database Auditing Features Before and After the Transition to Unified Auditing**

Feature	Availability Before Transition	Availability After Transition
<b>General Auditing Features</b>	-	-
Operating system audit trail	Yes	No
XML file audit trail	Yes	No
Network auditing	Yes	No
The ability of users to audit and to removing auditing from their own schema objects	Yes	No
Mandatory auditing of audit administrative actions	No	Yes
<b>Auditing Roles</b>	-	-
AUDIT_ADMIN	Yes, but not needed for users who want to audit their own objects, nor for users who already have the ALTER SYSTEM privilege and want to change the auditing initialization parameters	Yes
AUDIT_VIEWER	Yes	Yes
<b>System Tables</b>	-	-
SYS.AUD\$	Yes	Yes, but will only have pre-transition audit records
SYS.FGA_LOG\$	Yes	Yes, but will only have pre-transition audit records
<b>Initialization Parameters</b>	-	-
AUDIT_TRAIL (deprecated)	Yes	Yes, but will not have any effect
AUDIT_FILE_DEST (deprecated)	Yes	Yes, but will not have any effect
AUDIT_SYS_OPERATIONS (deprecated)	Yes	Yes, but will not have any effect
AUDIT_SYSLOG_LEVEL (deprecated)	Yes	Yes, but will not have any effect
<b>Data Dictionary Views <sup>1</sup></b>	-	-
ALL_AUDIT_POLICIES	Yes	Yes, but only if fine-grained audit policies are created using the DBMS_FGA PL/SQL package

**Table D-1 (Cont.) Characteristics of Oracle Database Auditing Features Before and After the Transition to Unified Auditing**

Feature	Availability Before Transition	Availability After Transition
DBA_AUDIT_POLICIES	Yes	Yes, but only if fine-grained audit policies are created using the DBMS_FGA PL/SQL package
DBA_AUDIT_POLICY_COLUMNS	Yes	Yes, but only if fine-grained audit policies are created using the DBMS_FGA PL/SQL package
DBA_COMMON_AUDIT_TRAIL	Yes	Yes, but will only have pre-transition audit records
DBA_AUDIT_EXISTS	Yes	Yes
DBA_AUDIT_OBJECT	Yes	Yes
DBA_AUDIT_POLICIES	Yes	Yes, but only if fine-grained audit policies are created using the DBMS_FGA PL/SQL package
DBA_AUDIT_POLICY_COLUMNS	Yes	Yes, but only if fine-grained audit policies are created using the DBMS_FGA PL/SQL package
DBA_AUDIT_SESSION	Yes	Yes, but will only have pre-transition audit records
DBA_AUDIT_STATEMENT	Yes	Yes, but will only have pre-transition audit records
DBA_AUDIT_TRAIL	Yes	Yes, but will only have pre-transition audit records. The RLS_INFO column captures audited Oracle VPD predicates.
DBA_FGA_AUDIT_TRAIL	Yes	Yes, but will only have pre-transition audit records. The RLS_INFO column captures audited Oracle VPD predicates.
DBA_OBJ_AUDIT_OPTS	Yes	Yes
DBA_PRIV_AUDIT_OPTS	Yes	Yes
DBA_STMT_AUDIT_OPTS	Yes	Yes
UNIFIED_AUDIT_TRAIL	Yes, but does not collect any audit records	Yes, and collects audit records
USER_AUDIT_OBJECT	Yes	Yes
USER_AUDIT_POLICY_COLUMN	Yes	Yes, but only if fine-grained audit policies are created using the DBMS_FGA PL/SQL package
USER_AUDIT_POLICIES	Yes	Yes, but only if fine-grained audit policies are created using the DBMS_FGA PL/SQL package
USER_AUDIT_SESSION	Yes	Yes
USER_AUDIT_STATEMENT	Yes	Yes
USER_AUDIT_TRAIL	Yes	Yes, but will only have pre-transition audit records

**Table D-1 (Cont.) Characteristics of Oracle Database Auditing Features Before and After the Transition to Unified Auditing**

Feature	Availability Before Transition	Availability After Transition
USER_OBJ_AUDIT_OPTS	Yes	Yes
V\$XML_AUDIT_TRAIL	Yes	Yes, but will only have pre-transition audit records. The RLS_INFO column captures audited Oracle VPD predicates.
<b>CREATE AUDIT POLICY, ALTER AUDIT POLICY, and DROP AUDIT POLICY Statements</b>	The statements are available, but the audit policies will not write to the old audit trails. When a policy is enabled, its audit records are written to the unified audit trail.	Yes, but writes the audit record to the unified audit trail only
<b>AUDIT and NOAUDIT Statements</b>	-	-
AUDIT	Yes	Yes, but enhanced to enable audit policies; create application context audit settings; create audit records on success, failure, or both; and use in a multitenant environment
NOAUDIT	Yes	Yes, but changed to disable audit policies, disable application context audit settings
<b>DBMS_FGA.ADD_POLICY Procedure Parameters</b>	-	-
audit_trail	Yes, and is used as in previous releases	Yes, but when unified auditing is enabled, you can omit this parameter because all records will be written to the unified audit trail.
<b>DBMS_AUDIT_MGMT Package AUDIT_TRAIL_TYPE Property Options</b>	-	-
DBMS_AUDIT_MGMT.AUDIT_TRAIL_AUD_STD	Yes	Yes, but only pre-transition audit records
DBMS_AUDIT_MGMT.AUDIT_TRAIL_FGA_STD	Yes	Yes, but only pre-transition audit records
DBMS_AUDIT_MGMT.AUDIT_TRAIL_DB_STD	Yes	Yes, but only pre-transition audit records
DBMS_AUDIT_MGMT.AUDIT_TRAIL_OS	Yes	Yes, but only pre-transition audit records
DBMS_AUDIT_MGMT.AUDIT_TRAIL_XML	Yes	Yes, but only pre-transition audit records
DBMS_AUDIT_MGMT.AUDIT_TRAIL_FILES	Yes	Yes, but only pre-transition audit records
DBMS_AUDIT_MGMT.AUDIT_TRAIL_ALL	Yes	Yes, but only pre-transition audit records
<b>Oracle Database Vault Features</b>	-	-

**Table D-1 (Cont.) Characteristics of Oracle Database Auditing Features Before and After the Transition to Unified Auditing**

Feature	Availability Before Transition	Availability After Transition
DVSYSAUDIT_TRAIL\$ system table	Yes	Is renamed to DVSYSAUDIT_OLD_AUDIT_TRAIL\$ and retains the old audit records. The previous DVSYSAUDIT_TRAIL\$ table is made into a view named DVSYSAUDIT_TRAIL\$. No new audit records are added.
<b>Oracle Label Security Features</b>	-	-
SA_AUDIT_ADMIN PL/SQL package	Yes	No

<sup>1</sup> These data dictionary views will continue to show audit data from audit records that are still in the SYS.AUD\$ and SYS.FGA\_LOG\$ system tables. Unified audit trail records are shown only in the unified audit trail-specific views. You must be granted the AUDIT\_ADMIN or AUDIT\_VIEWER role to query any views that are not prefaced with USER\_.