

Oracle® Database Vault

Release Notes

Oracle9i Release 2 (9.2.0.8) for Solaris Operating System (SPARC 32-Bit)

E10067-01

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These Release Notes describe issues you may encounter with Oracle Database Vault Oracle9i Release 2 (9.2.0.8). The Oracle Database Vault installation is covered in detail in the *Oracle Database Vault Installation Guide for Solaris Operating System (SPARC 32-Bit)*.

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Installation Issues and Recommendations

This section describes the known issues pertaining to installation. It also provides the workarounds that you can use.

DVCA Fails If the SID Is Longer than 8 Characters

Bug 5258820

Running Database Vault Configuration Assistant (DVCA) manually, after creating a new database in the Database Vault home, fails if the Oracle System Identifier (SID) for the database is longer than 8 characters.

The following steps reproduce the bug:

1. Use Database Configuration Assistant (DBCA) to create a new database in an existing Database Vault home.
2. Run DVCA on the newly created database:

```
$ORACLE_HOME/bin/dvca -action option -oh oracle_home -jdbc_str  
jdbc_connection_string -sys_passwd SYS_password -owner_account  
DV_owner_account_name -owner_passwd DV_owner_account_password  
[-acctmgr_account DV_account_manager_account_name] [-acctmgr_passwd  
DV_account_manager_password] [-logfile ./dvca.log] [-silent] [-nodecrypt]
```

```
[-languages
{"en"}, {"de"}, {"es"}, {"fr"}, {"it"}, {"ja"}, {"ko"}, {"pt_BR"}, {"zh_CN"}, {"zh_TW"}]]
```

See Also: *Oracle Database Vault Installation Guide for Solaris Operating System (SPARC 32-Bit)* for more information on running the DVCA command.

The reason for the bug is that the Oracle Net service name in the `tnsnames.ora` (`$ORACLE_HOME/network/admin/tnsnames.ora`) file is truncated to 8 characters.

The workaround for the bug is to change the truncated Net service name in the `tnsnames.ora` file to its correct value. For example, say the SID for the database is `ORACLEDB90`, and the entry in `tnsnames.ora` appears as:

```
ORACLEDB = (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP) (HOST ....
```

Replace the truncated entry in the `tnsnames.ora` file with the correct entry:

```
ORACLEDB90 = (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP) (HOST ....
```

Cannot Install Oracle Database Vault in a Data Guard Environment

Bug 5577503

The Database Vault installer fails to install Database Vault in an existing physical standby database.

You can create a new physical standby database by using the following steps:

1. Install Database Vault on the primary database.
2. Create a physical standby database using a hot backup of the primary database. This backup should include the Oracle home.
3. Set up communications between the primary and the physical standby database. Redo logs communicate changes from the primary database to the standby database.

See Also: *Oracle Data Guard Concepts and Administration* for more information on creating a physical standby database

Invalid DVSYS Objects Created After Running DVCA On a New Database Vault Database

Bug 5948835

After you create a new database in an existing Oracle Database Vault home and run Database Vault Configuration Assistant (DVCA) to configure the database, invalid DVSYS objects are created in the database. The following SQL query output illustrates the problem:

```
SQL> SELECT * FROM all_objects WHERE status='INVALID';
```

OWNER	OBJECT_NAME
SUBOBJECT_NAME	OBJECT_ID DATA_OBJECT_ID OBJECT_TYPE

CREATED	LAST_DDL_	TIMESTAMP	STATUS	T	G	S
DVSY						
22-MAR-07	22-MAR-07	2007-03-22:08:09:56	INVALID	N	N	N
.						
DVSY						
22-MAR-07	22-MAR-07	2007-03-22:08:09:56	INVALID	N	N	N

The problem occurs if you use one of the predefined database templates to create your database. Create the new database from scratch using the Custom Database option in the Database Configuration Assistant (DBCA) tool. Do not use one of the already provided templates like Data Warehouse, General Purpose, or Transaction Processing.

Usage Issues and Recommendations

This section discusses usage issues that you may encounter with Database Vault. It also provides the workarounds for these issues.

Accounts with DV_OWNER, DV_ADMIN, or DV_SECANALYST Role Cannot Use the ALTER USER Command

Bug 5161953

Accounts with the DV_OWNER, DV_ADMIN, or DV_SECANALYST role cannot run the following command:

```
ALTER USER user QUOTA UNLIMITED ON tablespace
```

The workaround is to REVOKE the role from the account, run the ALTER USER command, and then GRANT back the role to the account. This works if the account is not the DV_OWNER account that was created during installation. If the account is the DV_OWNER account created during installation, then you would need to use the following steps:

1. Disable the Database Vault command rule for the ALTER USER command.
2. Run the ALTER USER command.
3. Re-enable the Database Vault command rule for the ALTER USER command.

Enabling a Realm Fails When a Realm Secured Object Is Invalid

Bug 5582720

Enabling a realm fails with the following error:

```
ORA-00942: Table or view does not exist
```

This might happen if you try to enable a realm on an invalid object. The workaround is to make sure that all objects protected by the realm are valid, before trying to enable the realm.

Command Rule SELECT Not Found for SYSADM.%

Bug 5508407

The following error is displayed when you try to update the owner or the rule set for the `SELECT` command rule:

```
Command Rule SELECT not found for schema.%
```

After the update has failed, you are not allowed to delete the command rule. You can use the following workaround steps:

1. Login to SQL*Plus using the `SYSTEM` account. Run the following command:

```
SQL>ALTER SYSTEM FLUSH SHARED_POOL;
```

2. Delete the command rule.
3. If you were trying to update the command rule, then re-create the command rule with the new parameters.
4. Repeat Step 1 for the new command rule to take effect.

Factors with Validation Functions May Cause Invalid Cursor Errors

Bug 5953290

After including a validation function in a factor, you might get the `ORA-01001` or `ORA-07445` error when trying to use the factor in a command rule.

The workaround is to implement the validation logic in the factor function itself rather than using a validation function to implement the logic.

CREATE SESSION Privilege Is Controlled by the Data Dictionary Realm

Use the following steps to grant the `CREATE SESSION` privilege:

1. Add the `SYSTEM` user to the data dictionary realm as an owner.
2. Log in to SQL*Plus as the `SYSTEM` user.
3. Grant the `CREATE SESSION` privilege.
4. Enable the data dictionary realm.

Frequently Asked Questions on Installation

This section covers some of the frequently asked questions related to Database Vault installation. Oracle Database Vault installation is covered in detail in the *Oracle Database Vault Installation Guide for Solaris Operating System (SPARC 32-Bit)*

The installer does not detect my existing Oracle9i Release 2 (9.2.0.8) instance. What should I do?

To allow the installer to find the database instance information, you should check the following:

- `/var/opt/oracle/oratab` has an entry for the database. The `oratab` entry for the database is case-sensitive. Ensure that this entry exactly matches your database.
- All database names listed in `/var/opt/oracle/oratab` have unique system identifier (SID) names.
- The file, `/var/opt/oracle/orainst.loc` exists.

- The oraInventory location is set in the `/var/opt/oracle/oraInst.loc` file.
- The oraInventory location set in `/var/opt/oracle/oraInst.loc` is the same as the 9.2.0.8 Enterprise Edition database's oraInventory location.
- The 9.2.0.8 database home does not have Oracle Database Vault in it.

I have installed Oracle Database Vault into an Oracle home that has multiple databases. How do I secure the other databases in the Oracle home?

You would need to run Database Vault Configuration Assistant (DVCA) manually on the other databases. Refer to Appendix C in the *Oracle Database Vault Installation Guide for Solaris Operating System (SPARC 32-Bit)* for detailed instructions.

I have installed Oracle Database Vault on a Real Application Clusters (RAC) database instance. How do I secure the other nodes in the cluster?

You need to run DVCA manually on the other RAC nodes. Refer to "Run DVCA to Set Instance Parameters" in the *Oracle Database Vault Installation Guide for Solaris Operating System (SPARC 32-Bit)* for detailed instructions.

Miscellaneous Notes

This section contains miscellaneous notes not covered in the Oracle Database Vault documentation.

Snapshots and Materialized Views

The keyword `SNAPSHOT` is supported in place of `MATERIALIZED VIEW` for backward compatibility.

JOB_QUEUE_PROCESSES Initialization Parameter

The `JOB_QUEUE_PROCESSES` initialization parameter specifies the maximum number of processes that can be created for the execution of jobs. It specifies the number of job queue processes per instance.

This parameter must have a non-zero value. The default value for `JOB_QUEUE_PROCESSES` is 10.

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