Oracle® Database Vault

Release Notes

10*g* Release 2 (10.2.0.5) for IBM: Linux on System z

E10075-03

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These Release Notes describe issues you may encounter with Oracle Database Vault 10*g* Release 2 (10.2.0.5). The Oracle Database Vault installation is covered in detail in the *Oracle Database Vault Installation Guide for IBM: Linux on System z*.

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`http://www.oracle.com/technology/documentation/`

This document contains the following sections:

- Installation Issues and Recommendations
- Usage Issues and Recommendations
- Frequently Asked Questions on Installation
- Miscellaneous Notes
- Documentation Accessibility

1 Installation Issues and Recommendations

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

1.1 Oratab Entries Delete While Deleting Instance

Bug 7637130

Oratab entries get deleted on all node during instance deletion.

The workaround is take backup of the oratab file across the nodes, before instance deletion. After instance deletion completes restore the oratab file on the remaining nodes.

1.2 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:

- Article ID 754065.1, titled "Installing Database Vault in a Data Guard Environment" on My Oracle Support (formerly Oracle*MetaLink*):

  `https://support.oracle.com`

- *Data Guard Concepts and Administration Guide* for more information on creating a physical standby database

1.3 Database Instance and Listener Do Not Start Automatically on the Remote Node After Database Vault Installation

Bug 6630191

After you install Database Vault, the database instances and listeners on the remote nodes do not start automatically. You must start these manually.

This is expected behavior. The `DVCA` utility configures the local node, and starts the database instance and listener processes on the local node. You need to start these processes manually on each of the remote nodes.

1.4 Swap Space Requirement Prerequisite Test Fails

Bug 7506215

The Database Vault installer swap space requirement test may fail in some cases even when enough swap space is available.

The swap space required for installation should not exceed 16 GB. In case the required swap space is shown as more than 16 GB, this warning can be safely ignored.

1.5 Errors Generated by catmac.sql When Upgrading Database Vault

Bug 9888841

The *Oracle Database Vault Installation Guide* includes instructions to upgrade a previous version of Oracle Database Vault to Oracle Database Vault 10.2.0.5. One of the upgrade steps requires the user to run the `catmac.sql` script. The *Oracle Database Vault Installation Guide* advises the user to spool the output of this script into a file in order to look for errors.

The spooled output file may include the following errors:

```
ORA-01920: user name 'DVSYS' conflicts with another user or role name
ORA-01920: user name 'DVF' conflicts with another user or role name
SP2-0310: unable to open file catmaca.sql
ORA-01952: system privileges not granted to 'DBA'
ORA-00955: name is already used by an existing object
ORA-02260: table can have only one primary key
```

You can safely ignore these error messages.

1.6 DVCA Error During Database Vault Installation

Bug 10033496

An `ORA-01031: insufficient privileges error` may be generated during the Lock DVSYS phase of the Database Vault installation process. This may be caused by a low shared pool size.

The workaround is to increase the shared pool size to a larger value. To set the shared pool size, use the following SQL statement:

```
ALTER SYSTEM SET SHARED_POOL_SIZE=VALUE;
```

2 Usage Issues and Recommendations

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

2.1 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.

2.2 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.

2.3 CREATE SESSION Privilege Is Controlled by the Data Dictionary Realm

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

1. Temporarily disable the data dictionary realm.
2. Log in as the `SYSTEM` user.
3. Grant the `CREATE SESSION` privilege.

4. Enable the data dictionary realm.

3 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 IBM: Linux on System z*.

The installer does not detect my existing Oracle Database Enterprise Edition 10*g* Release 2 (10.2.0.4) instance. What should I do?

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

- The database home has Oracle Enterprise Manager Console DB 10.2.0.4.0 installed.
- `/etc/oratab` has an entry for the database.
- All database names listed in `/etc/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 10.2.0.5 Enterprise Edition database's oraInventory location.
- The 10.2.0.5 database home does not have Oracle Database Vault in it.
- The 10.2.0.5 database home does not contain an Automatic Storage Management (ASM) instance.

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 the *Oracle Database Vault Installation Guide for IBM: Linux on System z* for detailed instructions.

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

You need to run DVCA manually on the other Oracle RAC nodes. Refer to the *Oracle Database Vault Installation Guide for IBM: Linux on System z* for detailed instructions.

4 Miscellaneous Notes

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

4.1 Snapshots and Materialized Views

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

4.2 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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