



Restore cloud-native Oracle databases

BlueXP backup and recovery

NetApp

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Restore cloud-native Oracle databases

Restore cloud-native Oracle databases to original location


In the event of data loss, you can restore the data files, control files, or both to original location and then recover the database.

Before you begin

If the Oracle 21c database is in STARTED state, the restore operation fails. You should run the following command to restore the database successfully.

```
cp -f <ORACLE_HOME>/jdbc/lib/ojdbc8.jar  
/opt/NetApp/snapcenter/spl/plugins/sco/lib/ojdbc8-8.jar
```

Steps

1. Click  corresponding to the database that you want to restore and click **Restore**.
2. Select the restore point to which the database should be restored and click **Restore to original location**.
3. In the Restore Scope section, perform the following actions:

| If you... | Do this... |
|---|---|
| Want to restore only the data files | Select All Data Files . |
| Want to restore only the control files | Select Control Files |
| Want to restore both data files and control files | Select All Data Files and Control Files . |

You can also select **Force in-place restore** checkbox.

In Amazon FSx for NetApp ONTAP or Cloud Volumes ONTAP SAN layout, if SnapCenter Plug-in for Oracle finds any foreign files other than Oracle data files on the ASM diskgroup, connect and copy restore method is performed. The foreign files could be one or more of the following types:

- Parameter
- Password
- archive log
- online log
- ASM parameter file.

The **Force in-place restore** option overrides the foreign files of type parameter, password, and archive log. You should use the latest backup when **Force in-place restore** option is selected.

4. In the Recovery Scope section, perform the following actions:

| If you... | Do this... |
|---|--------------------------|
| Want to recover to the last transaction | Select All Logs . |

| If you... | Do this... |
|--|--|
| Want to recover to a specific System Change Number (SCN) | Select Until SCN and specify the SCN. |
| Want to recover to a specific date and time | Select Date and Time . |
| Do not want to recover | Select No recovery . |

For the selected recovery scope, in the **Archive Log Files Locations** field you can optionally specify the location that contains the archive logs required for recovery.

Select the check box if you want to open the database in READ-WRITE mode after recovery.

5. Click **Next** and review the details.
6. Click **Restore**.

Restore cloud-native Oracle databases to alternate location

In the event of data loss, you can restore the Oracle database to alternate location only on Azure NetApp Files. The alternate location can be on a different host or on the same host.

Before you begin

- If the Oracle 21c database is in STARTED state, the restore operation fails. You should run the following command to restore the database successfully.

```
cp -f <ORACLE_HOME>/jdbc/lib/ojdbc8.jar
/opt/NetApp/snapcenter/spl/plugins/sco/lib/ojdbc8-8.jar
```
- You should ensure that the Oracle version on the alternate host is same as that of the original host.


About this task

While initiating the restore operation, you are not allowed to modify the configurations except the Oracle home, maximum volume throughput, Oracle SID, and database credentials.

Full recovery is enabled by default with *Until cancel* set to true.

Archive log mode is turned off by default for the restored database. You can enable archive log mode and keep the archive logs on the NetApp volume if required.

Steps

1. Click  corresponding to the database that you want to restore and click **Restore**.
2. Select the restore point to which the database should be restored and click **Restore to alternate location > Next**.
3. In the Configuration page, specify the details of the alternate location, SID, Oracle_Home, database credentials, and storage throughput.

For the database credential, if the OS User authentication is disabled, you should provide a password for the sys user to connect to the restored database on the same or target host.

4. Click **Next**, review the details and click **Restore**.

The progress of the restore operation can be viewed in the Job Monitor page. After the job is completed, click **Refresh Discovery** to view the restored database. However, you cannot protect the database that is restored to alternate location.

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