



# Setting role-based access control capabilities and roles

SnapManager Oracle

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# Setting role-based access control capabilities and roles

After you enable role-based access control (RBAC) for SnapManager using SnapDrive, you can add RBAC capabilities and users to roles to perform SnapManager operations.

You must create a group in the Data Fabric Manager server and add the group to both primary and secondary storage systems. Run the following commands:

- `dfm group create smo_grp`
- `dfm group add smo_grpprimary_storage_system`
- `dfm group add smo_grpsecondary_storage_system`

You can use either the Operations Manager web interface or the Data Fabric Manager server command-line interface (CLI) to modify RBAC capabilities and roles.

The table lists the RBAC capabilities required to perform SnapManager operations:

<b>SnapManager operations</b>	<b>RBAC capabilities required when data protection is not enabled</b>	<b>RBAC capabilities required when data protection is enabled</b>
Profile create or profile update	SD.Storage.Read (smo_grp)	SD.Storage.Read (SMO_profile dataset)
Profile protection	DFM.Database.Write (smo_grp) SD.Storage.Read (smo_grp) SD.Config.Read (smo_grp) SD.Config.Write (smo_grp) SD.Config.Delete (smo_grp) GlobalDataProtection	None
Backup create	SD.Storage.Read (smo_grp) SD.Snapshot.Write (smo_grp) SD.Snapshot.Read (smo_grp) SD.Snapshot.Delete (smo_grp)	SD.Storage.Read (SMO_profile dataset) SD.Snapshot.Write (SMO_profile dataset) SD.Snapshot.Read (SMO_profile dataset) SD.Snapshot.Delete (SMO_profile dataset)

<b>SnapManager operations</b>	<b>RBAC capabilities required when data protection is not enabled</b>	<b>RBAC capabilities required when data protection is enabled</b>
Backup create (with DBverify)	SD.Storage.Read (smo_grp) SD.Snapshot.Write (smo_grp) SD.Snapshot.Read (smo_grp) SD.Snapshot.Delete (smo_grp) SD.SnapShot.Clone (smo_grp)	SD.Storage.Read (SMO_profile dataset)  SD.Snapshot.Write (SMO_profile dataset)  SD.Snapshot.Read (SMO_profile dataset)  SD.Snapshot.Delete (SMO_profile dataset)  SD.SnapShot.Clone (SMO_profile dataset)
Backup create (with RMAN)	SD.Storage.Read (smo_grp) SD.Snapshot.Write (smo_grp) SD.Snapshot.Read (smo_grp) SD.Snapshot.Delete (smo_grp) SD.SnapShot.Clone (smo_grp)	SD.Storage.Read (SMO_profile dataset)  SD.Snapshot.Write (SMO_profile dataset)  SD.Snapshot.Read (SMO_profile dataset)  SD.Snapshot.Delete (SMO_profile dataset)  SD.SnapShot.Clone (SMO_profile dataset)
Backup restore	SD.Storage.Read (smo_grp) SD.Snapshot.Write (smo_grp) SD.Snapshot.Read (smo_grp) SD.Snapshot.Delete (smo_grp) SD.SnapShot.Clone (smo_grp) SD.Snapshot.Restore (smo_grp)	SD.Storage.Read (SMO_profile dataset)  SD.Snapshot.Write (SMO_profile dataset)  SD.Snapshot.Read (SMO_profile dataset)  SD.Snapshot.Delete (SMO_profile dataset)  SD.SnapShot.Clone (SMO_profile dataset)  SD.Snapshot.Restore (SMO_profile dataset)
Backup delete	SD.Snapshot.Delete (smo_grp)	SD.Snapshot.Delete (SMO_profile dataset)

<b>SnapManager operations</b>	<b>RBAC capabilities required when data protection is not enabled</b>	<b>RBAC capabilities required when data protection is enabled</b>
Backup verify	SD.Storage.Read (smo_grp) SD.Snapshot.Read (smo_grp) SD.Snapshot.Clone (smo_grp)	SD.Storage.Read (SMO_profile dataset) SD.Snapshot.Read (SMO_profile dataset) SD.Snapshot.Clone (SMO_profile dataset)
Backup mount	SD.Storage.Read (smo_grp) SD.Snapshot.Read (smo_grp) SD.Snapshot.Clone (smo_grp)	SD.Storage.Read (SMO_profile dataset) SD.Snapshot.Read (SMO_profile dataset) SD.Snapshot.Clone (SMO_profile dataset)
Backup unmount	SD.Snapshot.Clone (smo_grp)	SD.Snapshot.Clone (SMO_profile dataset)
Clone create	SD.Storage.Read (smo_grp) SD.Snapshot.Read (smo_grp) SD.SnapShot.Clone (smo_grp)	SD.Storage.Read (SMO_profile dataset) SD.Snapshot.Read (SMO_profile dataset) SD.SnapShot.Clone (SMO_profile dataset)
Clone delete	SD.Snapshot.Clone (smo_grp)	SD.Snapshot.Clone (SMO_profile dataset)
Clone split	SD.Storage.Read (smo_grp) SD.Snapshot.Read (smo_grp) SD.SnapShot.Clone (smo_grp) SD.Snapshot.Delete (smo_grp) SD.Storage.Write (smo_grp)	SD.Storage.Read (SMO_profile dataset) SD.Snapshot.Read (SMO_profile dataset) SD.SnapShot.Clone (SMO_profile dataset) SD.Snapshot.Delete (SMO_profile dataset) SD.Storage.Write (SMO_profile dataset)

For details about defining RBAC capabilities, see the *OnCommand Unified Manager Operations Manager*

*Administration Guide.*

1. Access the Operations Manager console.
2. From the Setup menu, select **Roles**.
3. Select an existing role or create a new one.
4. To assign operations to your database storage resources, click **Add capabilities**.
5. On the Edit Role Settings page, to save your changes to the role, click **Update**.

**Related information**

*OnCommand Unified Manager Operations Manager Administration Guide:*

[mysupport.netapp.com/documentation/productsatoz/index.html](https://mysupport.netapp.com/documentation/productsatoz/index.html)

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