Use backups to object storage

Amazon FSx for NetApp ONTAP

NetApp
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Use backups to object storage

Create a manual backup of a volume in NetApp Workload Factory

Create a manual backup of a volume outside regularly scheduled backups in NetApp Workload Factory.

About this task

FSx for ONTAP backups are per volume, so each backup contains only the data in a particular volume.

FSx for ONTAP backups are incremental which means that only the data on the volume that has changed after your most recent backup is saved. This minimizes the time required to create the backup and the storage required for the backup, which saves on storage costs by not duplicating data.

Before you begin

To take backups of your volumes, both your volume and your file system must have enough available SSD storage capacity to store the backup snapshot. When taking a backup snapshot, the additional storage capacity consumed by the snapshot cannot cause the volume to exceed 98% SSD storage utilization. If this happens, the backup will fail.

Steps

1. Log in using one of the console experiences.
2. Select the menu and then select **Storage**.
3. From the Storage menu, select **FSx for ONTAP**.
4. From **FSx for ONTAP**, select the actions menu of the file system with the volume and then select **Manage**.
5. In the file system overview, select the **Volumes** tab.
6. From the **Volumes** tab, select the actionsenu for the volume to back up.
7. Select **Data protection actions**, **FSx for ONTAP backup**, and then **Manual backup**.
8. In the Manual backup dialog, enter a name for the backup.
9. Select **Back up**.

Restore a volume from a backup in NetApp Workload Factory

In NetApp Workload Factory, you can restore a volume from a backup to any FSx for ONTAP file system in your AWS account.

Workload factory determines if you have enough capacity for the restore and can automatically add SSD storage tier capacity if you don’t.

Steps

1. Log in using one of the console experiences.
2. Select the menu and then select **Storage**.
3. From the Storage menu, select **FSx for ONTAP**.

4. From **FSx for ONTAP**, select the actions menu of the file system with the volume and then select **Manage**.
5. In the file system overview, select the **Volumes** tab.
6. From the **Volumes** tab, select the actions menu for the volume to restore from a backup.
7. Select **Data protection actions**, **FSx for ONTAP backup**, and then **Restore from a backup**.
8. In the Restore from a backup dialog, provide the following:
    a. **Target file system**: Select the target file system from the dropdown menu.
    b. **Target storage VM**: Select the target storage VM from the dropdown menu.
    c. **Backup name**: Select the backup name from the dropdown menu.
    d. **Restored volume name**: Enter the restored volume name.
9. Verify file system capacity for the restore operation.

    When file system capacity is limited, the following might occur:

    - The restore can push used capacity over the threshold you specified. You can complete the restore operation. Consider manually adding SSD storage tier capacity or selecting for Workload Factory to automatically add SSD storage tier capacity.
    - The restore requires additional SSD capacity. You must select for Workload Factory to automatically add SSD storage tier capacity to proceed.
10. Select **Restore**.

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