Discover resources and prepare multitenant database containers for data protection

SnapCenter Software 4.5

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Discover resources and prepare multitenant database containers for data protection

Discover the databases automatically

Resources are SAP HANA databases and Non-data Volume on the Linux host that are managed by SnapCenter. You can add these resources to resource groups to perform data protection operations after you discover the SAP HANA databases that are available.

What you will need

- You must have already completed tasks such as installing the SnapCenter Server, adding HDB User Store Key, adding hosts, and setting up the storage system connections.
- You must have configured the HDB Secure User Store Key and HDB SQL OS user on the Linux host.
  - You must configure the HDB User Store Key with SID adm user. For example, for HANA system with A22 as the SID, the HDB User Store Key must be configured with a22adm.
- SnapCenter Plug-in for SAP HANA Database does not support automatic discovery of the resources residing on RDM/VMDK virtual environments. You must provide the storage information for virtual environments while adding the databases manually.

About this task

After installing the plug-in, all the resources on that Linux host are automatically discovered and displayed on the Resources page.

The automatically discovered resources cannot be modified or deleted.

Steps

1. In the left navigation pane, click **Resources**, and then select the Plug-in for SAP HANA Database from the list.
2. On the **Resources** page select the resource type from the View list.
3. (Optional) Click , and then select the host name.

   You can then click to close the filter pane.
4. Click **Refresh Resources** to discover the resources available on the host.

   The resources are displayed along with information such as resource type, host name, associated resource groups, backup type, policies and overall status.

   - If the database is on a NetApp storage and not protected, then Not protected is displayed in the Overall Status column.
   - If the database is on a NetApp storage system and protected, and if there is no backup operation performed, then Backup not run is displayed in the Overall Status column. The status will otherwise change to Backup failed or Backup succeeded based on the last backup status.

If the SAP HANA database does not have a HDB Secure User Store Key configured, a red padlock icon appears next to the resource. If during a subsequent discovery operation, the configured HDB Secure User Store Key was found to be incorrect or did not provide access to the database itself, then the red padlock icon will reappear.

After you finish

You must configure the HDB Secure User Store Key and HDBSQL OS User to be able to protect the database or add it to the resource group to perform data protection operations.

Configure HDB User Store Key and HDBSQL OS User for the SAP HANA database

Prepare multitenant database containers for data protection

For SAP HANA hosts directly registered in SnapCenter, installing or upgrading the SnapCenter Plug-in for SAP HANA Database will trigger an automatic discovery for resources on the host. After installing or upgrading the plug-in, for every multitenant database containers (MDC) resource that was located on the plug-in host, another MDC resource will be automatically discovered with a different GUID format and registered in SnapCenter. The new resource will be in “locked” state.

About this task

For example, in SnapCenter 4.2, if E90 MDC resource was located on the plug-in host and registered manually, after upgrading to SnapCenter 4.3, another E90 MDC resource with a different GUID will be discovered and registered in SnapCenter.

The backups associated with the resource of SnapCenter 4.2 and earlier versions must be retained until the expiry of the retention period. After the retention period expires, you can delete the old MDC resource and continue to manage the new auto discovered MDC resource.

`Old MDC resource` is the MDC resource for a plug-in host that was manually added in SnapCenter 4.2 or earlier releases.

Perform the following steps to start using the new resource discovered in SnapCenter 4.3 for data protection operations:

Steps

1. On the **Resources** page, select the old MDC resource with backups added to the earlier SnapCenter release, and place it in “maintenance mode” from the Topology page.

   If the resource is part of a resource group, place the resource group in “maintenance mode”.

2. Configure the new MDC resource discovered after upgrading to SnapCenter 4.3 by selecting the new resource from the Resources page.

   “New MDC resource” is the newly discovered MDC resource that was discovered once the SnapCenter Server and the plug-in host was upgraded to 4.3. The new MDC resource can be identified as a resource with the same SID as the old MDC resource, for a given host, and with a red padlock icon next to it in the Resources page.

3. Protect the new MDC resource discovered after upgrading to SnapCenter 4.3 by selecting protection policies, schedules, and notification settings.
4. Delete the backups taken in SnapCenter 4.2 or earlier releases based on the retention settings.
5. Delete the resource group from the Topology page.
6. Delete the old MDC resource from the Resources page.

   For example, if the primary Snapshot copies retention period is 7 days and secondary Snapshot copies retention is 45 days, after 45 days are complete and after all the backups are deleted, you must delete the resource group and the old MDC resource.

Find more information

Configure HDB User Store Key and HDBSQL OS User for the SAP HANA database

View SAP HANA database backups and clones in the Topology page

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