Monitor Storage VM Disaster Recovery protection relationships

Active IQ Unified Manager

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Monitor Storage VM Disaster Recovery protection relationships

Learn about storage VM disaster recovery relationships in Active IQ Unified Manager

Active IQ Unified Manager supports monitoring of storage VM disaster recovery relationships which provides disaster recovery at the granularity of a storage VM level. The storage VM disaster recovery enables the recovery of data present in the constituent volumes of the storage VM and the recovery of storage VM configuration.

A storage VM DR relationship is created from the source storage VM to the destination storage VM to provide asynchronous disaster recovery. You can select either to replicate all or subset of the storage VM configuration (excluding network and protocol configuration) along with the data volumes based on the cluster setup.

After the storage VM disaster recovery relationship is configured, when the source storage VM becomes unavailable due to either hardware failure or environmental disaster, the destination storage VM is started, that provides access to data with least disruption. Similarly, when the source storage VM becomes available, it is resynchronized with the destination storage VM and then, the source restarts to provide data. You can use SnapMirror commands to configure and manage storage VM disaster recovery relationship.

Monitor storage VMs using the Relationships page in Active IQ Unified Manager

You can monitor your storage VM disaster recovery relationships from the Relationships page in the PROTECTION section of the INVENTORY. By default, the Relationships page lists only the top-level relationships as the constituent relationships filter is applied.

Before you begin

You must have the Application Administrator or Storage Administrator role.

You use filters to view the storage VM disaster recovery relationships.

Steps

1. In the left navigation pane, click **PROTECTION** > **Relationships**.

   The page displays all type of relationships: volume, consistency group, and storage VM relationships.

2. Click **Filter**, and then select **Relationship Object Type** and **Storage VM** to view only storage VM disaster recovery relationships.
3. Click **Apply Filter**.

   You should clear the constituent relationships filter to view all the protection relationships.

   The page displays only storage VM disaster recovery relationships.

View protection relationships from storage VMs page in Active IQ Unified Manager

Using the Storage VMs page, you can view the status of existing storage VMs' disaster recovery relationships.

Before you begin

You must have the Application Administrator or Storage Administrator role.

You can also examine details of the protection relationships, including transfer and lag status, source, and destination detail. You can schedule reports or download existing reports in the format that you require. The **Show/Hide** button enables you to add the required columns to the reports as they are not displayed by default.

Steps

1. In the left navigation pane, click **STORAGE** > **Storage VMs**.
2. From the **VIEW** menu, select **Relationship** > **All Relationships**.

   The Relationship: All Relationships view is displayed with all the configured storage VMs.

View storage VMs based on protection status in Active IQ Unified Manager

You can use the Storage VMs page of the Inventory to view all the storage VMs in Active IQ Unified Manager and filter the storage VMs based on their protection status.

Before you begin

You must have the Application Administrator or Storage Administrator role.

A new column Protection Role is added to the storage VMs view that provides information on whether the storage VM is protected or unprotected.

If a source cluster is not added to Active IQ Unified Manager, then all the information related to that cluster is unavailable in the grids.

Steps

1. In the left navigation pane, click **STORAGE** > **Storage VMs**.
2. From the **VIEW** menu, select **Health** > **All Storage VMs**.

   The Health: All Storage VMs is displayed.

3. Click **Filter** to view one of the following storage VMs.

To view	Filter value
Protected storage VMs	**Protection Role** is **Protected**
Unprotected storage VMs	**Protection Role** is **Unprotected**

You cannot view both the protected and unprotected storage VMs at the same time. You will need to clear the existing filter to reapply a new filter option.

4. Click **Apply Filter**.

   The Unsaved view displays all the storage VMs that are either protected or unprotected by storage VM disaster recovery based on your filter selections.

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