Customizing volume relationship reports

Active IQ Unified Manager 9.8

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The Volume Relationships Inventory report enables you to analyze the storage inventory details in a cluster, understand the degree of protection that is required for volumes, and filter the volume details based on source of failure, pattern, and schedules.

Creating a report to group volume relationships by source of failure

You can create a report that groups volumes by the reason the relationship is in an unhealthy state.

Before you begin

- You must have the Application Administrator or Storage Administrator role.

About this task

Use the following steps to create a custom view that groups volumes by source of failure, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Volumes**.
2. In the View menu, select **Relationship** > **All Relationships**.
3. Select **Show/Hide** to make sure the “Relationship Health” and “Unhealthy Reason” columns appear in the view.

   Add or remove other columns to create a view that is important for your report.

4. Drag the “Relationship Health” and “Unhealthy Reason” columns near the “State” column.
5. Click the filter icon, add the following filter, and then click **Apply Filter**:
   - Relationship health is bad
6. Click the top of the “Unhealthy Reason” column to group the volume relationships by source of failure.
7. Save the view with a specific name that reflects what the view is showing, for example, “Vol relationships by failure”.
8. Click the **Scheduled Reports** button on the inventory page.
9. Enter a name for the report schedule and complete the other report fields, then click the check mark (✓) at the end of the row.

   The report is sent immediately as a test. After that, the report generates and is sent by email to the recipients listed using the specified frequency.

After you finish

Based on the results shown in the report, you can investigate the source and impact of each type of failure.

Creating a report to group volume relationships by issue

You can create a report that groups volume relationships by issue.

Before you begin

- You must have the Application Administrator or Storage Administrator role.

About this task

Use the following steps to create a custom view that groups volume relationships by issue, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Volumes**.
2. In the View menu, select **Relationship** > **All Relationships**.
3. Select **Show/Hide** to remove any columns you do not want in the report.
4. Drag the “Unhealthy Reason” column near the “State” column.
5. Click the top of the “Unhealthy Reason” column to group the volumes by issue.
6. Save the view with a specific name that reflects what the view is showing, for example, “Vol relationships by issue”.
7. Click the **Scheduled Reports** button on the inventory page.
8. Enter a name for the report schedule and complete the other report fields, then click the check mark ( ) at the end of the row.

   The report is sent immediately as a test. After that, the report generates and is sent by email to the recipients listed using the specified frequency.

After you finish

Based on the results shown in the report, you can investigate the source and impact of each type of issue.

Creating a report to view volume transfer trends at specific time intervals

You can create a report that displays volume transfer trends at specific time intervals.

Before you begin

- You must have the Application Administrator or Storage Administrator role.

About this task

Use the following steps to create a custom view for volumes at specific time intervals, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Volumes**.
2. In the View menu, select **Relationship** > **Last 1 month Transfer Status**.
3. Select **Show/Hide** to remove any columns you do not want in the report.
4. Drag the **Transfer Duration** column near the "Operational Result" column.
5. Click the filter icon, add the following filter, and then click **Apply Filter**:
   - Transfer End Time in the last 7 Days
6. Click the top of the "Transfer Duration" column to sort the volumes by time interval.
7. Save the view with a specific name that reflects what the view is showing, for example "Volumes by duration".
8. Click the **Scheduled Reports** button on the inventory page.
9. Enter a name for the report schedule, set the frequency as **Weekly**, and complete the other report fields, then click the check mark (✓) at the end of the row.

   The report is sent immediately as a test. After that, the report generates and is sent by email to the recipients listed using the specified frequency.

After you finish

Based on the results shown in the report, you can investigate the transfer time intervals.

Creating a report to view failed or successful volume transfer

You can create a report that displays the status of volume transfers. You can view both failed and successful volume transfers in this report.

Before you begin

- You must have the Application Administrator or Storage Administrator role.

About this task

Use the following steps to create a custom view to show which transfers failed and which were successful, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Volumes**.
2. In the View menu, select **Relationship** > **Last 1 month Transfer Status**.
3. Select **Show/Hide** to remove any columns that you do not want in the report.
4. Drag the "Operation Result" column near the "State" column.
5. Click the top of the "Operation Result" column to sort the volumes by the status.
6. Save the view with a specific name that reflects what the view is showing, for example "Volumes by

transfer status”.

7. Click the **Scheduled Reports** button on the inventory page.
8. Enter a name for the report schedule and complete the other report fields, then click the check mark (✓) at the end of the row.

   The report is sent immediately as a test. After that, the report generates and is sent by email to the recipients listed using the specified frequency.

After you finish

Based on the results shown in the report, you can investigate the transfer status.

Creating a report to view volume transfers based on transfer size

You can create a report to view volume transfers based on transfer size.

Before you begin

- You must have the Application Administrator or Storage Administrator role.

About this task

Use the following steps to create a custom view for volume transfers based on transfer size, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Volumes**.
2. In the View menu, select **Relationship** > **Last 1 month Transfer Rate**.
3. Click the top of the “Total Transfer Size” column to sort the volume transfers by size.
4. Save the view with a specific name that reflects what the view is showing, for example “Volumes by transfer size”.
5. Click the **Scheduled Reports** button on the inventory page.
6. Enter a name for the report schedule and complete the other report fields, then click the check mark (✓) at the end of the row.

   The report is sent immediately as a test. After that, the report generates and is sent by email to the recipients listed using the specified frequency.

After you finish

Based on the results shown in the report, you can investigate the volume relationships by transfer size.

Creating a report to view volume transfers grouped by day

You can create a report to view volume transfers grouped by day.

Before you begin

- You must have the Application Administrator or Storage Administrator role.

About this task

Use the following steps to create a custom view for volume transfers grouped by day, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Volumes**.
2. In the View menu, select **Relationship** > **Last 1 month Transfer Rate**.
3. Click the top of the “Day” column to sort the volume transfers by day.
4. Save the view with a specific name that reflects what the view is showing, for example “Volume transfers by day”.
5. Click the **Scheduled Reports** button on the inventory page.
6. Enter a name for the report schedule and complete the other report fields, then click the check mark (✓) at the end of the row.

   The report is sent immediately as a test. After that, the report generates and is sent by email to the recipients listed using the specified frequency.

After you finish

Based on the results shown in the report, you can investigate the volume transfers by day.