Customize cluster storage reports

Active IQ Unified Manager

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Customize cluster storage reports

Create a report to view capacity by cluster model in Active IQ Unified Manager

You can create a report to analyze storage capacity and utilization of clusters based on storage system model.

Before you begin

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

Use the following steps to create a custom view that displays capacity by cluster model, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Clusters**.
2. In the View menu, select **Capacity** > **All Clusters**.
3. Select **Show/Hide** to remove any columns, such as “Cluster FQDN” and “OS Version”, that you do not want in the report.
4. Drag the “Total Raw Capacity”, the “Model/Family”, and the three aggregate columns near the “Cluster” column.
5. Click the top of the “Model/Family” column to sort the results by cluster type.
6. Save the view with a specific name that reflects what the view is showing, for example, “Capacity by Cluster Model”.
7. Click the **Scheduled Reports** button on the inventory page.
8. Click **Add Schedule** to add a new row to the **Report Schedules** page so that you can define the schedule characteristics for the new report.
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.

Based on the results shown in the report, you might want to add more capacity to certain clusters, or upgrade older cluster models.

Identify clusters with unallocated LUN capacity in Active IQ Unified Manager

You can create a report to find the clusters with the most unallocated LUN capacity, greater than .5 TB, to help identify where you can add additional workloads.

Before you begin

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

Use the following steps to create a custom view that displays clusters with the most unallocated LUN capacity,

and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Clusters**.
2. In the View menu, select **Capacity** > **All Clusters**.
3. Select **Show/Hide** to remove any columns you do not want in the report.
4. Drag the “Unallocated LUN Capacity” column near the “HA Pair” column.
5. Click the filter icon, add the following filter, and then click **Apply Filter**:
   - Unallocated LUN capacity greater than 0.5 TB
6. Click the top of the “Unallocated LUN Capacity” column to sort the results by the greatest amount of unallocated LUN capacity.
7. Save the view with a specific name that reflects what the view is showing, for example “Most unallocated LUN capacity” and click the check mark (✓).
8. Click the **Scheduled Reports** button on the inventory page.
9. Click **Add Schedule** to add a new row to the Report Schedules page so that you can define the schedule characteristics for the new report.
10. 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.

Based on the results shown in the report, you might want to use the unallocated LUN capacity of the cluster.

Create a report to view HA pairs with the most available capacity in Active IQ Unified Manager

You can create a report to find the high availability (HA) pairs with the most capacity to provision new volumes and LUNs.

Before you begin

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

Use the following steps to create a custom view that displays HA pairs sorted by the most available capacity to provision new volumes and LUNs, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Clusters**.
2. In the View menu, select **Capacity** > **All Clusters**.
3. Select **Show/Hide** to remove any columns you do not want in the report.
4. Drag the “Aggregate Unused Capacity” column near the “HA Pair” column.
5. Click the filter icon, add the following filter, and then click **Apply Filter**:
   - Aggregate Unused Capacity greater than 0.5 TB
6. Click the top of the “Aggregate Unused Capacity” column to sort the results by the greatest amount of unused aggregate capacity.

7. Save the view with a specific name that reflects what the view is showing, for example, “Least used aggregate capacity”, and click the check mark (✓).
8. Click the **Scheduled Reports** button on the inventory page.
9. Click **Add Schedule** to add a new row to the Report Schedules page so that you can define the schedule characteristics for the new report.
10. 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.

Based on the results shown in the report, you might want to balance HA pairs based on aggregate capacity.

Create a report to view nodes running older versions of ONTAP in Active IQ Unified Manager

You can create a report to display the version of ONTAP software that is installed on all cluster nodes so that you can see which nodes you should upgrade.

Before you begin

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

Use the following steps to create a custom view that displays nodes running older versions of ONTAP, and then schedule a report to be generated for that view.

Steps

1. In the left navigation pane, click **Storage** > **Nodes**.
2. Select **Show/Hide** to remove any columns that you do not want in the report.
3. Drag the “OS Version” column near the “Node” column.
4. Click the top of the “OS Version” column to sort the results by oldest version of ONTAP.
5. Save the view with a specific name that reflects what the view is showing, for example, “Nodes by ONTAP version”.
6. Click the **Scheduled Reports** button on the inventory page.
7. Click **Add Schedule** to add a new row to the Report Schedules page so that you can define the schedule characteristics for the new report.
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.

Based on the results shown in the report, you might want to upgrade nodes running older versions of ONTAP.

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