



Technical Report

Creating a Dashboard in OnCommand Report

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CREATING A DASHBOARD

OnCommand™ Report (also called OnCommand Insight Report) provides comprehensive reporting of your NetApp® storage infrastructure. Using OnCommand Report, you can consolidate data from DataFabric® Manager or OnCommand servers and then view predesigned reports and create your own custom reports and dashboards. These reports can help you optimize your storage and improve capacity planning. This technical report provides information on how to create a custom dashboard based on the customer's requirements.

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1 INTRODUCTION TO ONCOMMAND REPORT

OnCommand Report (also called OnCommand Insight Report) provides comprehensive reporting of your NetApp storage infrastructure. The current version of the product reports on inventory, capacity, and storage efficiency. Using OnCommand Report, you can consolidate data from DataFabric Manager or OnCommand servers and then view predesigned reports and create your own custom reports and dashboards. These reports can help you optimize your storage and improve capacity planning.

<http://www.netapp.com/us/products/management-software/oncommand-report/>

1.1 ONCOMMAND REPORT FEATURES

OnCommand Report provides data center visibility to NetApp storage resources. With OnCommand Report, administrators can consolidate data from multiple DataFabric Manager or OnCommand servers.

OnCommand Report:

- Identifies your NetApp storage environment.
- Operates as agentless software that runs on Microsoft® Windows®.
- Enables the consolidation of data from multiple DataFabric Manager or OnCommand servers.
- Displays inventory and capacity information such as growth, capacity utilization, overcommitted capacity, deduplication effects, and space reservation.
- Provides the ability to group data in reports by constructs supported by the DataFabric Manager server, for example, resource groups.
- Provides information on controllers, status of controllers (for example, active-active status), and resource groups.

2 DASHBOARD OPTIONS IN ONCOMMAND REPORT

Dashboards group reports to show different views of data that relate to a specific management concern.

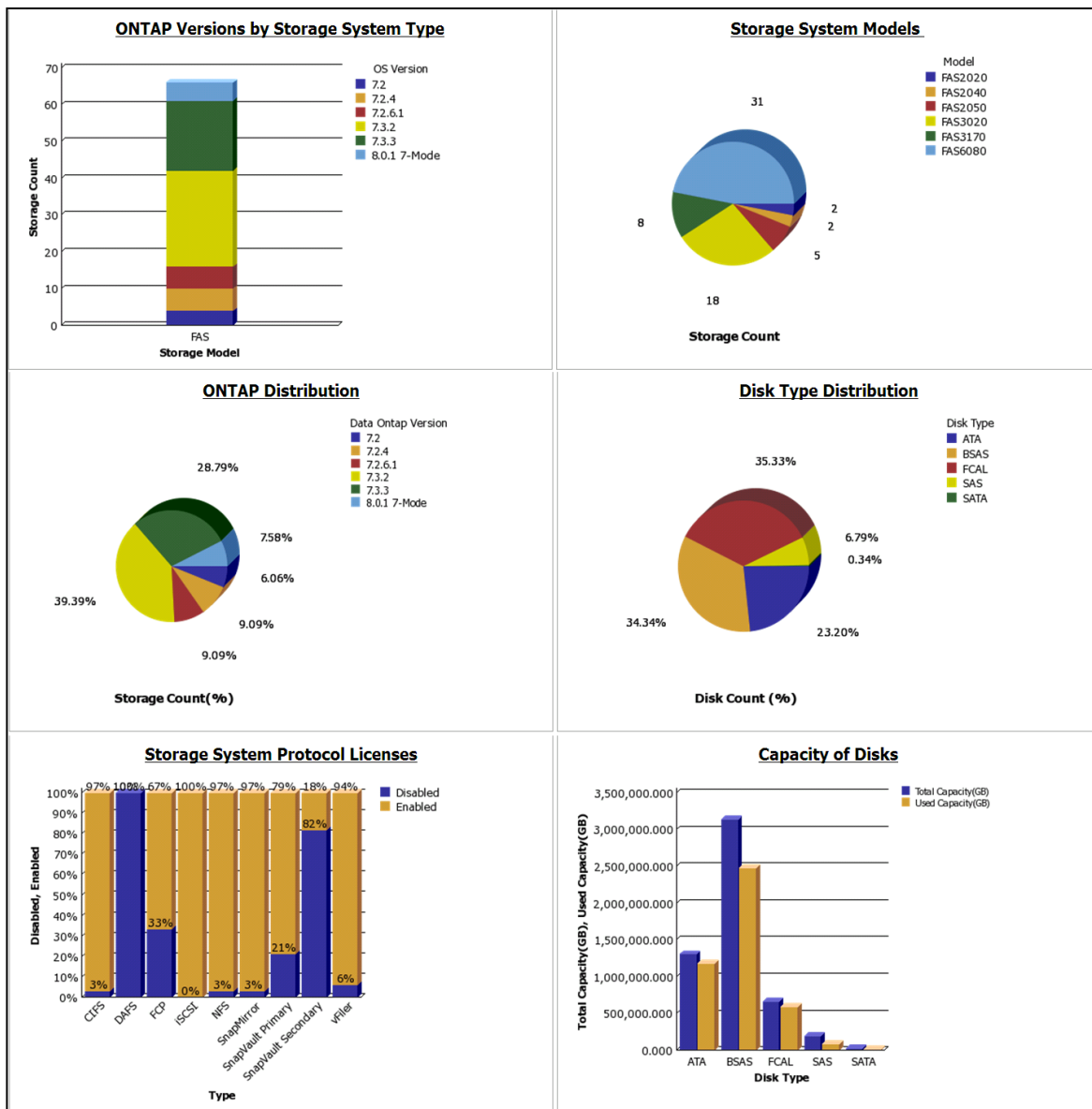
2.1 BUILT-IN DASHBOARD

OnCommand Report Version 1.0 ships with an asset dashboard, which provides inventory information on NetApp storage infrastructure.

The asset dashboard provides reports on

- Distribution of storage systems by FAS, V-Series, and Data ONTAP® versions
- Distribution of storage system by models
- Disk type distribution, storage system protocol licenses, and capacity of disks

Figure 1) Asset dashboard.



2.2 CREATING A CUSTOM DASHBOARD FOR YOUR REPORTS

OnCommand Report provides the flexibility to create your own custom dashboard that groups reports to show different views of data that relate to a specific management concern.

Dashboards can include predefined reports and your custom reports.

We will consider an example of creating a storage capacity and growth dashboard.

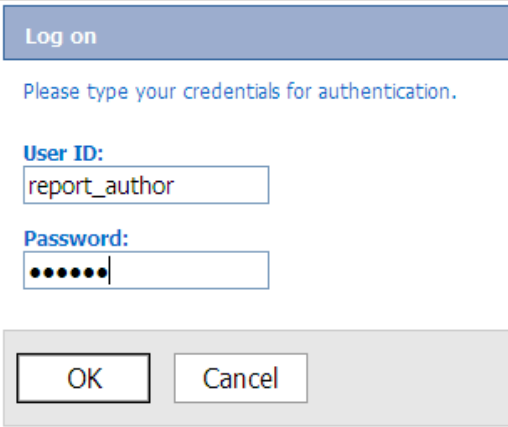
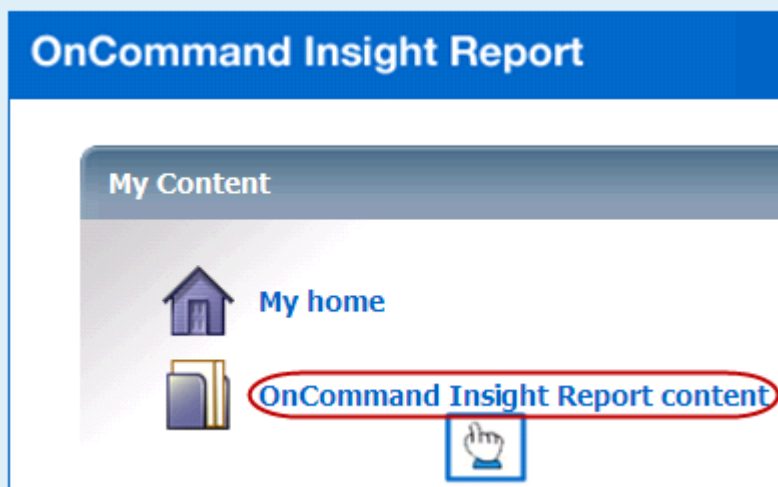
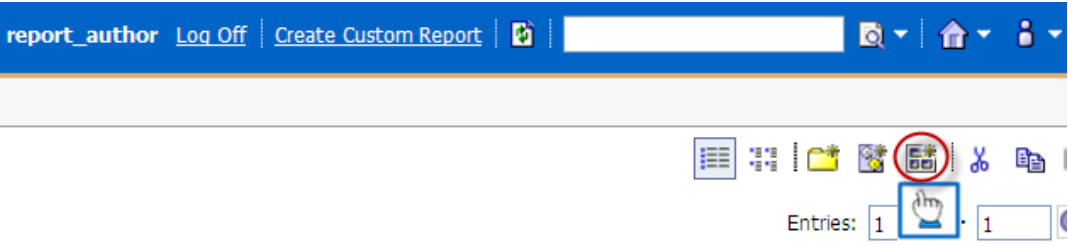
As part of this scenario, we assume that the reports have already been created and are stored in a subfolder.

The summary of steps to create a custom dashboard:

1. Log in to OnCommand Insight Report connection.
2. Select a location where you want to place the dashboard.
3. Design the dashboard layout.
4. Select the reports to be displayed on the dashboard.
5. Add additional options in dashboard.




















Steps:

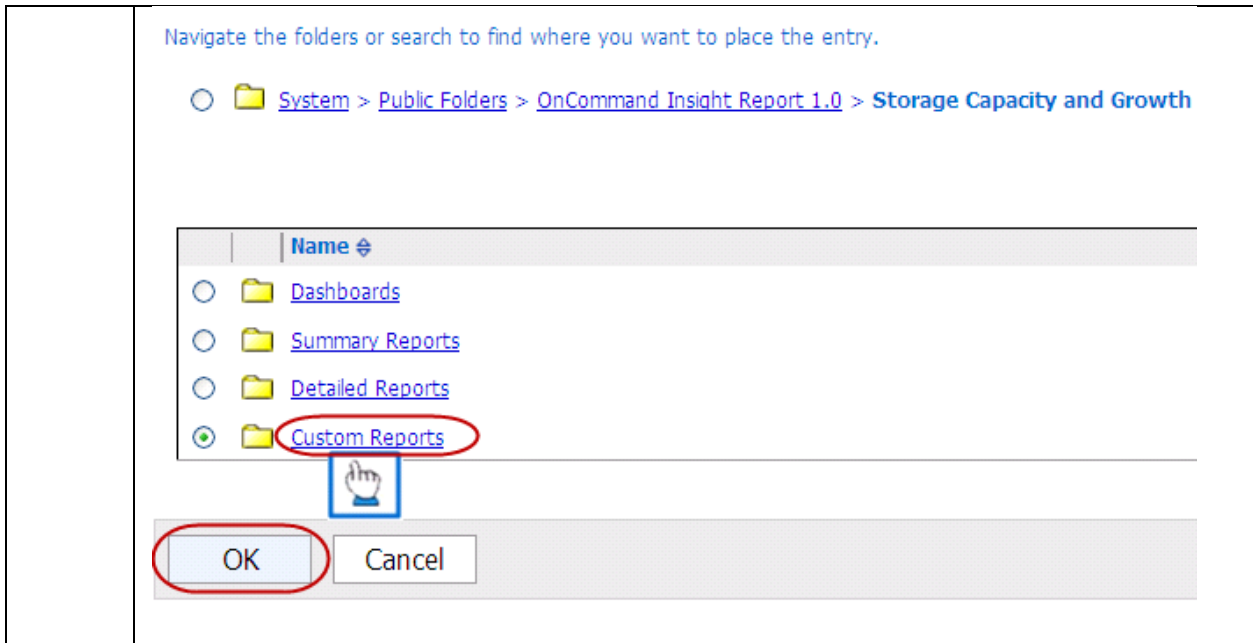
Log in to OnCommand Insight Report connection.

Step 1	Log in to OnCommand Insight Report connection as a report author. 
Step 2	Select OnCommand Insight Report content. 
Step 3	In the Reporting Connection, click the New Page icon. 

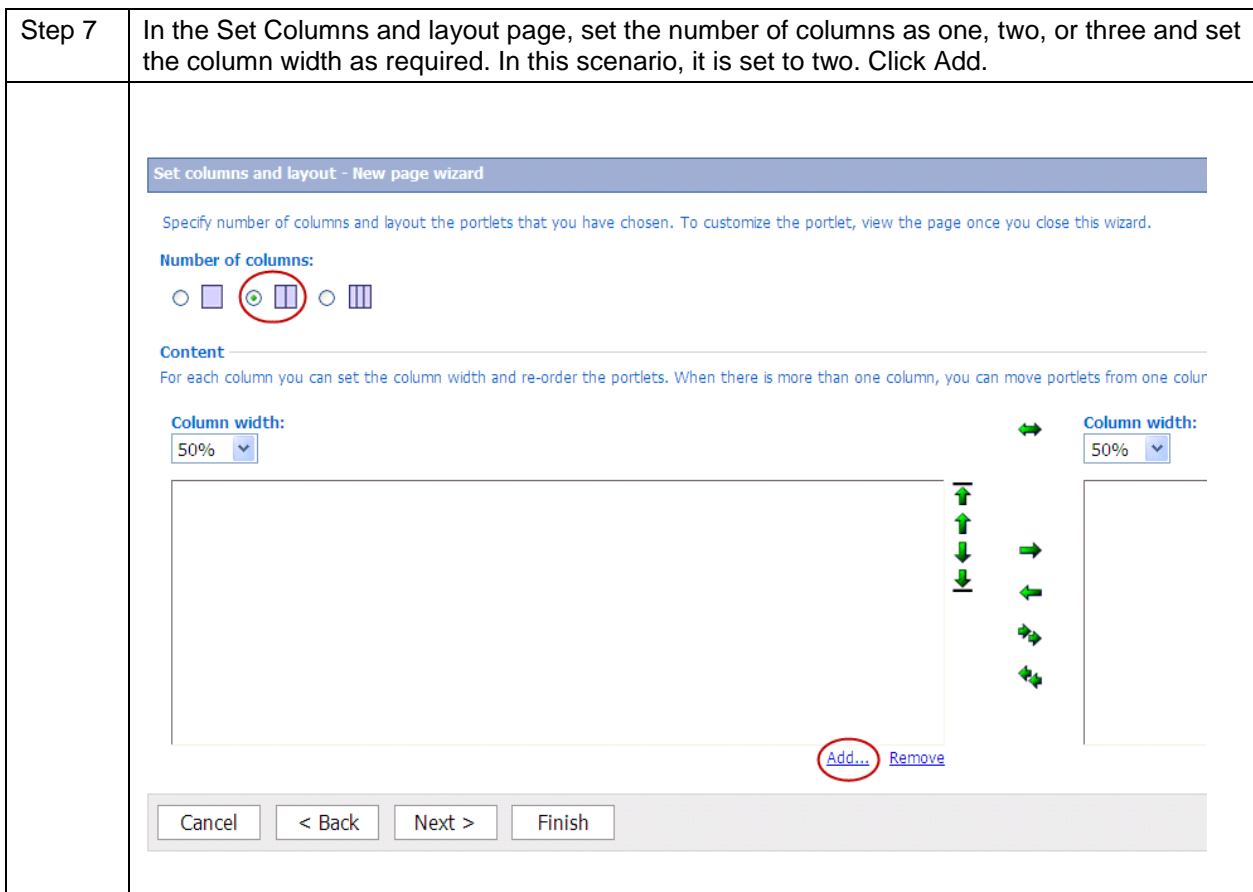
Select a location where you want to place the dashboard.

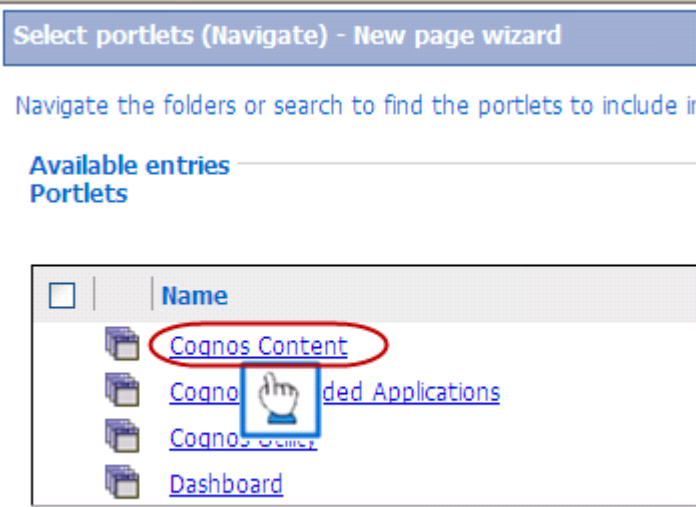
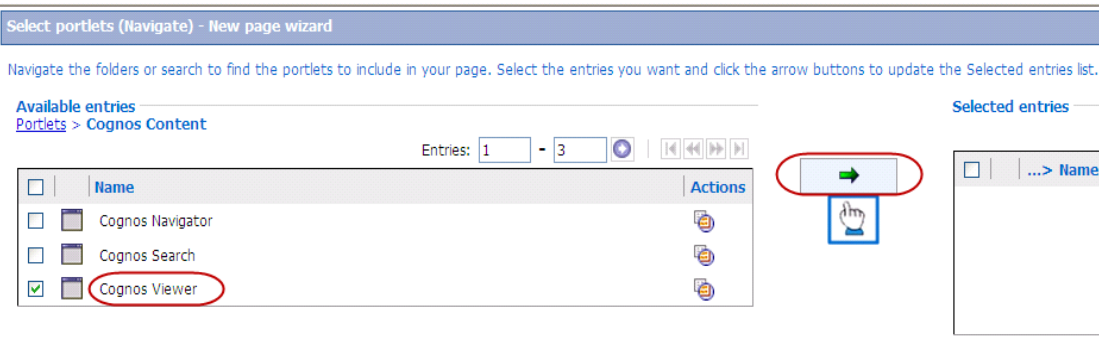
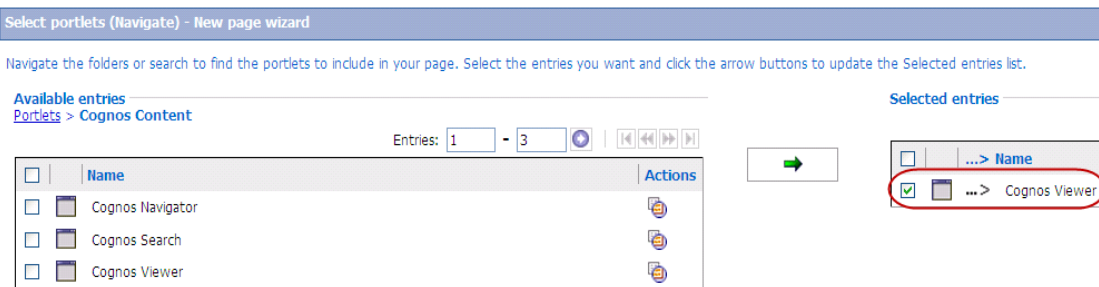
<p>Step 4</p>	<p>Type the name and select a location for your dashboard.</p> <div data-bbox="370 405 1395 1220"><p>Specify a name and description - New page wizard</p><p>Specify a name and location for this entry. You can also specify a description and screen tip.</p><p>Name:</p><input data-bbox="396 575 1305 621" type="text" value="Capacity and Growth Dashboard"/></div> <div data-bbox="396 646 1305 863"><p>Description:</p><input data-bbox="396 680 1305 863" type="text"/></div> <div data-bbox="396 888 1305 963"><p>Screen tip:</p><input data-bbox="396 921 1305 963" type="text"/></div> <div data-bbox="396 999 712 1100"><p>Location: None Select another location...</p></div> <div data-bbox="375 1129 1395 1220"><p>Cancel < Back Next > Finish</p></div>
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	<p>Navigate the folders or search to find where you want to place the entry.</p> <p> System > Public Folders</p> <div data-bbox="381 426 1154 527"> <table border="1"> <thead> <tr> <th colspan="2">Name</th> </tr> </thead> <tbody> <tr> <td></td> <td>OnCommand Insight Report 1.0</td> </tr> </tbody> </table> </div> <p></p> <p><input type="button" value="OK"/> <input type="button" value="Cancel"/></p>	Name			OnCommand Insight Report 1.0						
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Name											
<input type="radio"/> 	Inventory										
<input checked="" type="radio"/> 	Storage Capacity and Growth										
<input type="radio"/> 	Storage Efficiency										
<input type="radio"/> 	Drill through Reports										
Step 6	Click OK.										



Design the dashboard layout.



<p>Step 8</p>	<p>In the list of portlets in the Available Entries box, click Cognos Content.</p> 
<p>Step 9</p>	<p>Select Cognos Viewer and click the right arrow.</p> 
<p>Step 10</p>	<p>Select Cognos Viewer in the Selected entries and click OK.</p> 

Step 11 In the Set Columns and layout page, observe that Cognos Viewer portlet has been added to the column on the left.

Set columns and layout - New page wizard

Specify number of columns and layout the portlets that you have chosen. To customize the portlet, view the page once you close this wizard.

Number of columns:

Content

For each column you can set the column width and re-order the portlets. When there is more than one column, you can move portlets from one co

Column width: 50%

Cognos Viewer

Step 12 In this scenario, we need four portlets to be added for four reports to appear on the dashboard, two portlets on each column.

Step 13 Click Add again to repeat steps 7 to 11 to add the Cognos Viewer portlet to the column on the left.

Set columns and layout - New page wizard

Specify number of columns and layout the portlets that you have chosen. To custom

Number of columns:

Content

For each column you can set the column width and re-order the portlets. When the

Column width: 50%

Cognos Viewer
Cognos Viewer

Step 14

In the column to the right, select Add and repeat steps 7 to 13 to add two Cognos Viewer portlets.

Set columns and layout - New page wizard

Specify number of columns and layout the portlets that you have chosen. To customize the portlet, view the page once you close this wizard.

Number of columns:

Content

For each column you can set the column width and re-order the portlets. When there is more than one column, you can move portlets from one column

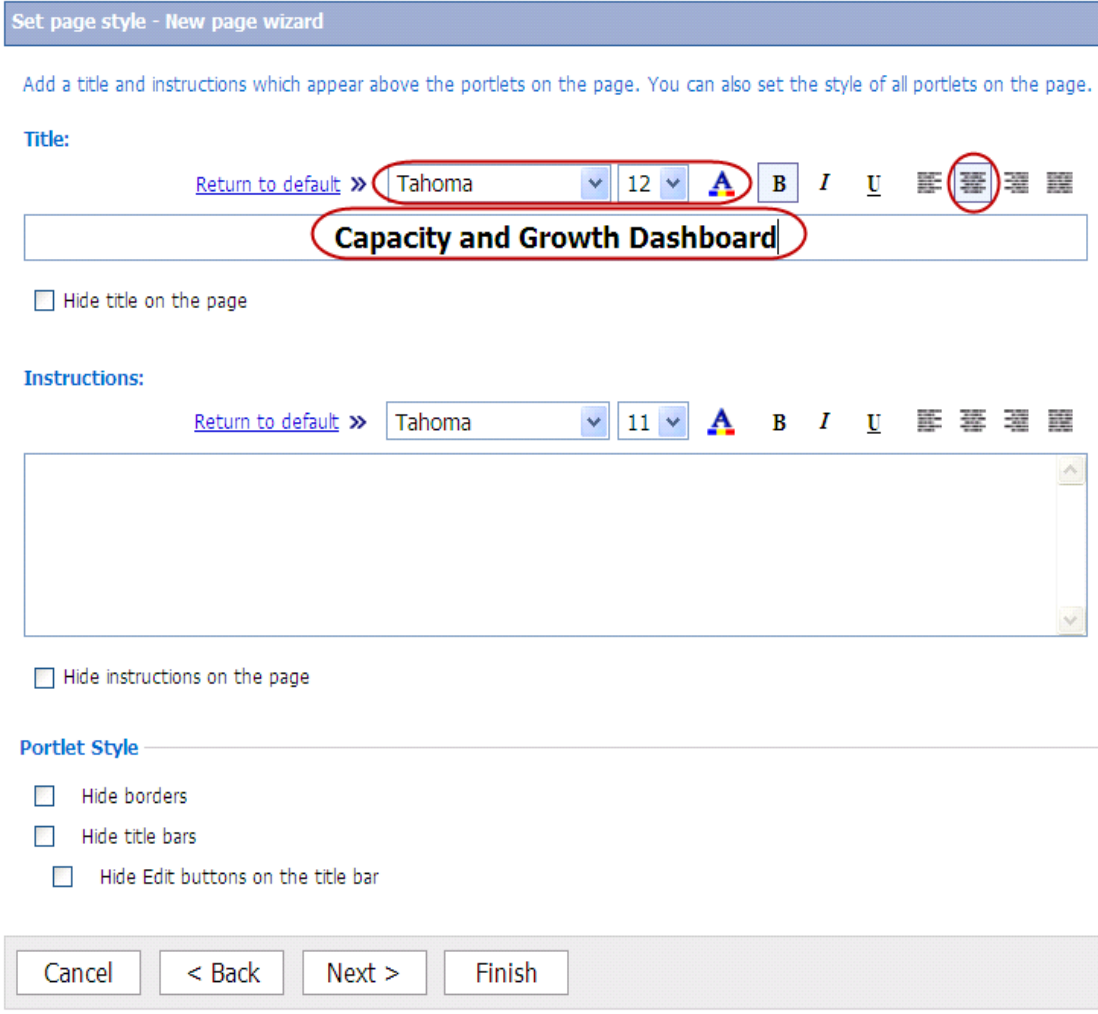
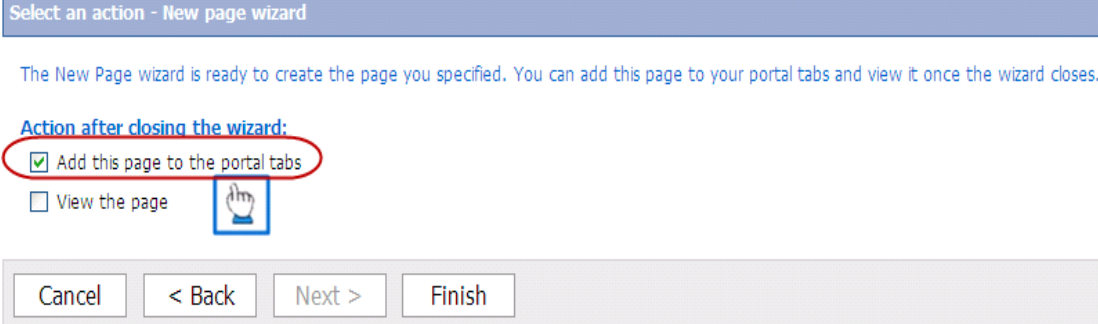
Column width: 50%

Cognos Viewer
Cognos Viewer

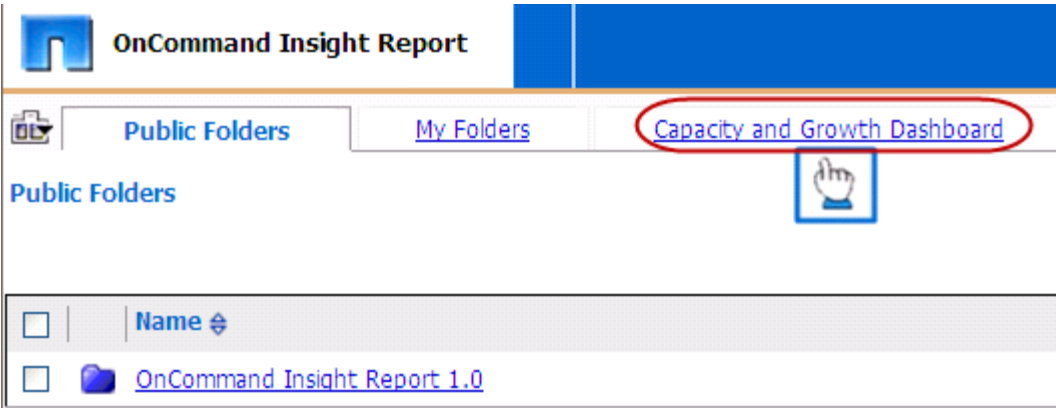
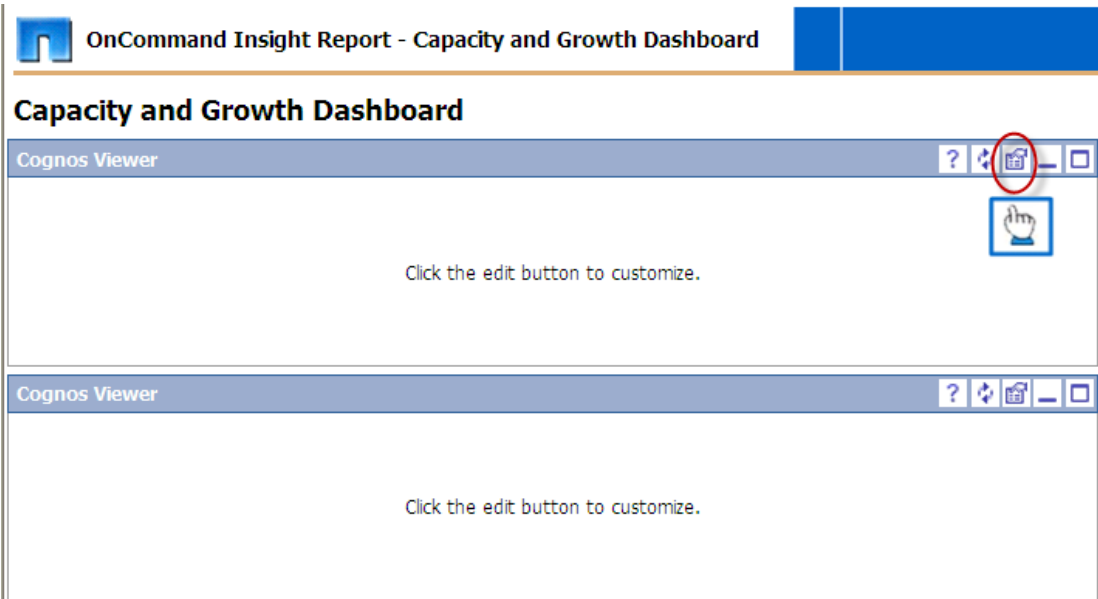
Column width: 50%

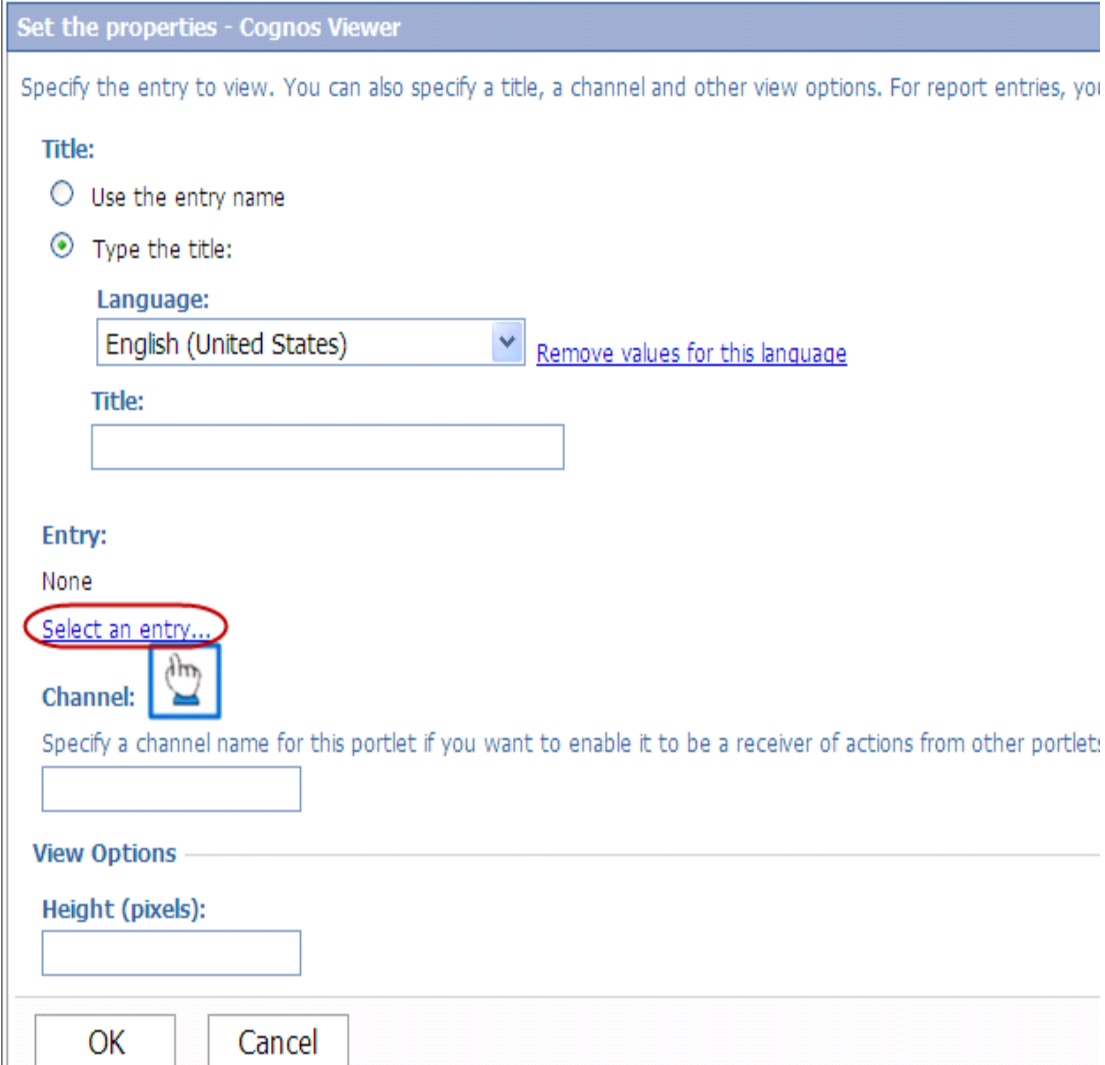

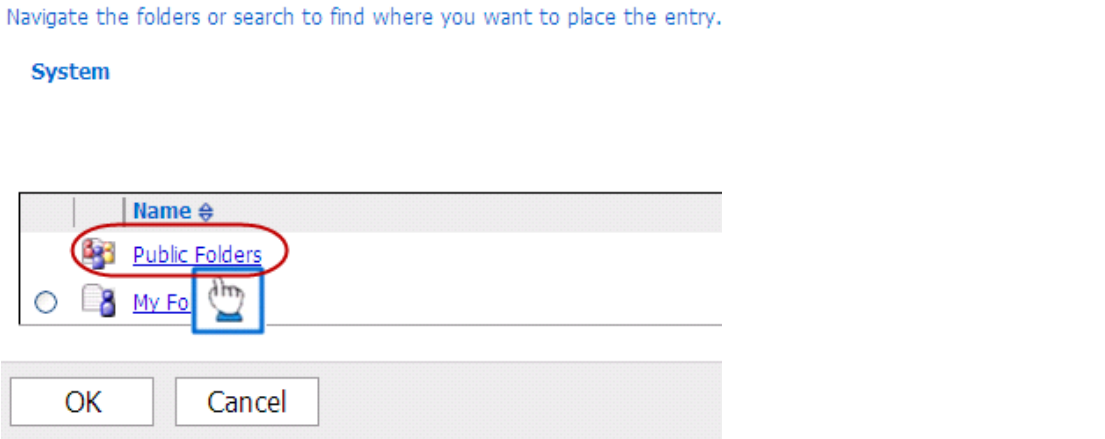

Cognos Viewer
Cognos Viewer

[Add...](#) [Remove](#)

Step 15	In the Set columns and layout page, click Next.
Step 16	<p>In the Set page style page, enter the dashboard title and any instructions that you want to display on the dashboard page.</p> <p>In this scenario, Capacity and Growth Dashboard is the title name. Font style and alignment of the title can also be changed. Click Next.</p>
	
Step 17	In the Select an action page, select Add this page to the portal tables and click Finish.
	

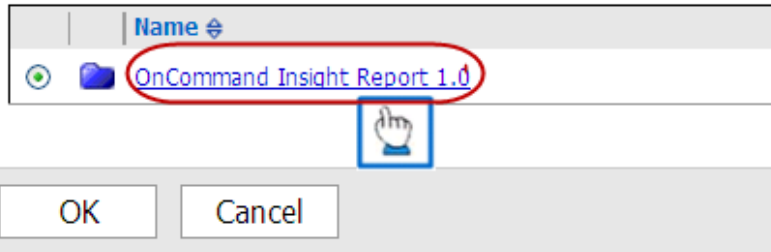
Select the reports to be displayed on the dashboard.

Step 18	<p>Open the Capacity and Growth dashboard from the portal tab.</p>  <p>The screenshot shows the OnCommand Insight Report portal. At the top, there is a blue header with the OnCommand logo and the text 'OnCommand Insight Report'. Below the header, there are three tabs: 'Public Folders', 'My Folders', and 'Capacity and Growth Dashboard'. The 'Capacity and Growth Dashboard' tab is highlighted with a red oval. Below the tabs, there is a 'Public Folders' section with a list of folders. The first folder is 'OnCommand Insight Report 1.0'.</p>
Step 19	<p>In the toolbar, click Edit.</p>  <p>The screenshot shows the 'Capacity and Growth Dashboard' in a Cognos Viewer window. The window title is 'OnCommand Insight Report - Capacity and Growth Dashboard'. The dashboard content area contains the text 'Click the edit button to customize.' The toolbar at the top right of the dashboard has several icons, including a question mark, a refresh icon, an edit icon (a hand with a pencil), and a close icon. The edit icon is circled in red.</p>


Step 20	In the folder section, click Select an entry and locate the reports that you want to add to the custom dashboard.
	 <p>Set the properties - Cognos Viewer</p> <p>Specify the entry to view. You can also specify a title, a channel and other view options. For report entries, you</p> <p>Title:</p> <p><input type="radio"/> Use the entry name</p> <p><input checked="" type="radio"/> Type the title:</p> <p>Language:</p> <p>English (United States) Remove values for this language</p> <p>Title:</p> <p><input type="text"/></p> <p>Entry:</p> <p>None</p> <p>Select an entry...</p> <p>Channel: </p> <p>Specify a channel name for this portlet if you want to enable it to be a receiver of actions from other portlets:</p> <p><input type="text"/></p> <p>View Options</p> <p>Height (pixels):</p> <p><input type="text"/></p> <p><input type="button" value="OK"/> <input type="button" value="Cancel"/></p>
Step 21	Navigate to the folder and select a report to be displayed in the dashboard. In this scenario, select Aggregate Utilization summary report. Click OK.
	 <p>Navigate the folders or search to find where you want to place the entry.</p> <p>System</p> <p>Name</p> <p>Public Folders</p> <p>My Fo </p> <p><input type="button" value="OK"/> <input type="button" value="Cancel"/></p>

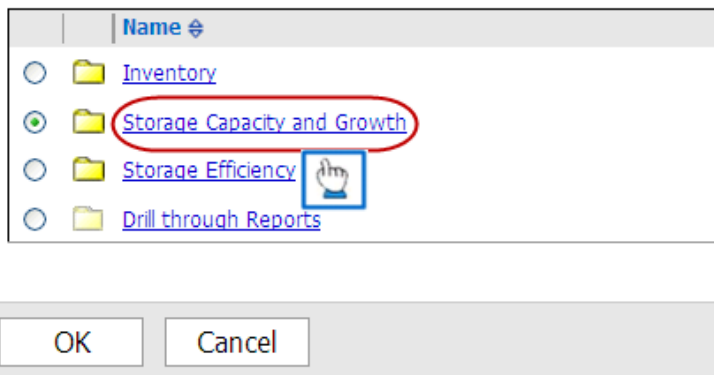
Navigate the folders or search to find where you want to place the entry.

 [System](#) > **Public Folders**



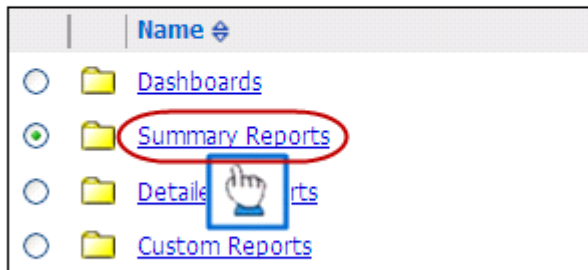
Navigate the folders or search to find where you want to place the entry.

 [System](#) > [Public Folders](#) > **OnCommand Insight Report 1.0**



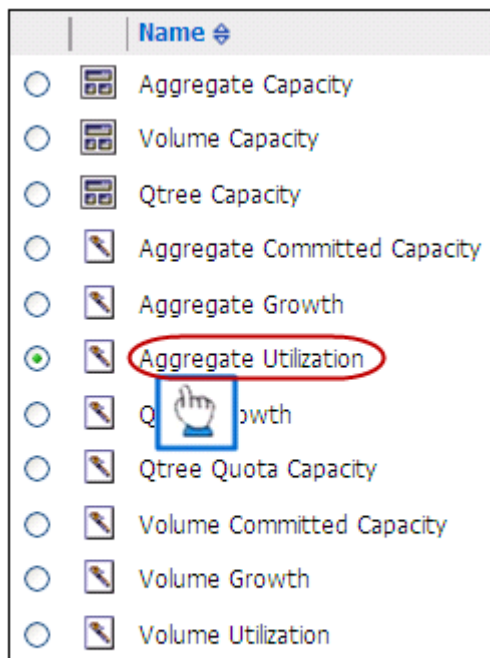
Navigate the folders or search to find the entry to use.

 [System](#) > [Public Folders](#) > [OnCommand Ins](#)



OK

Cancel

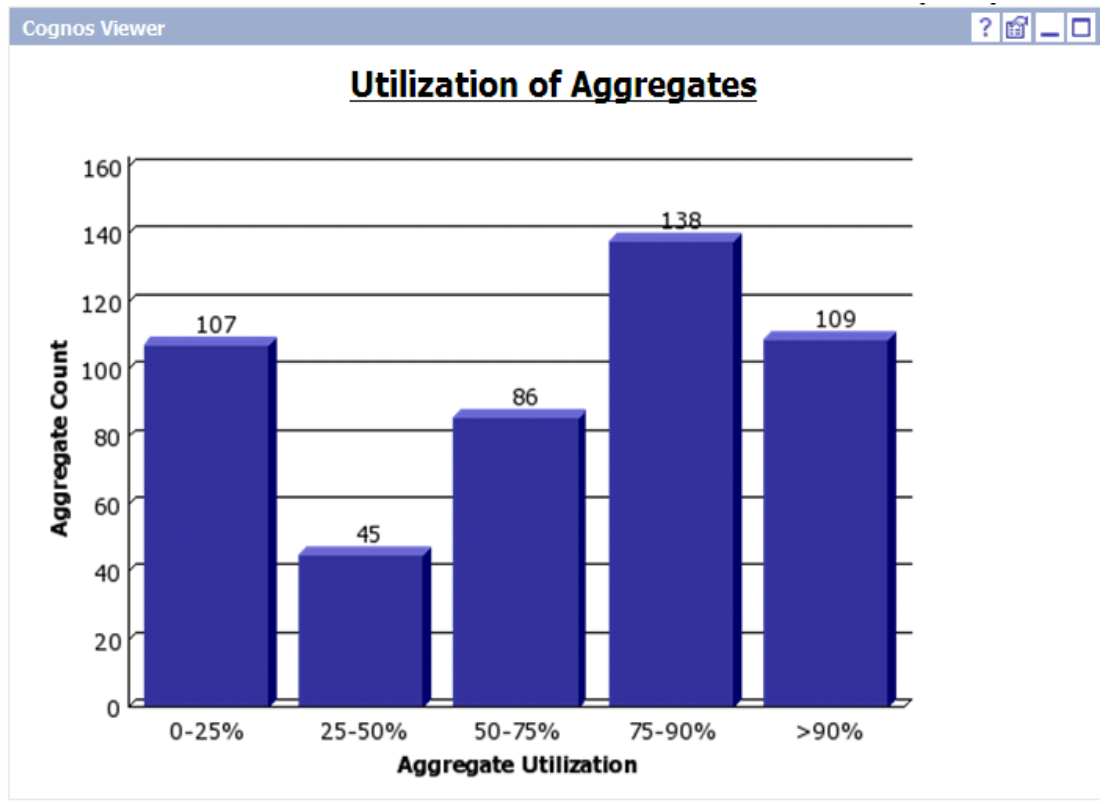


OK

Cancel

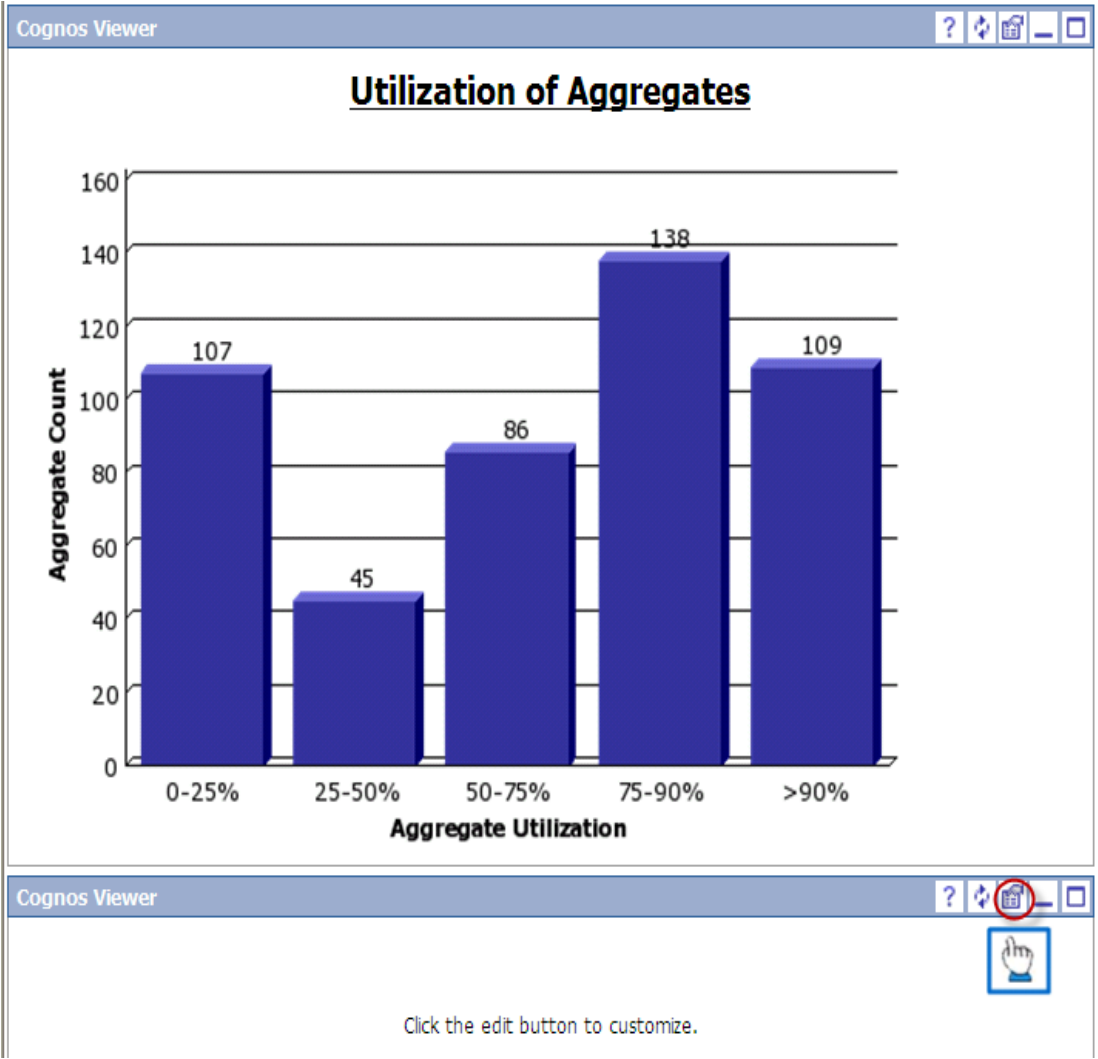
Step 22

The Aggregate Utilization Summary Report appears in the Cognos Viewer portlet of the Capacity and Growth dashboard.

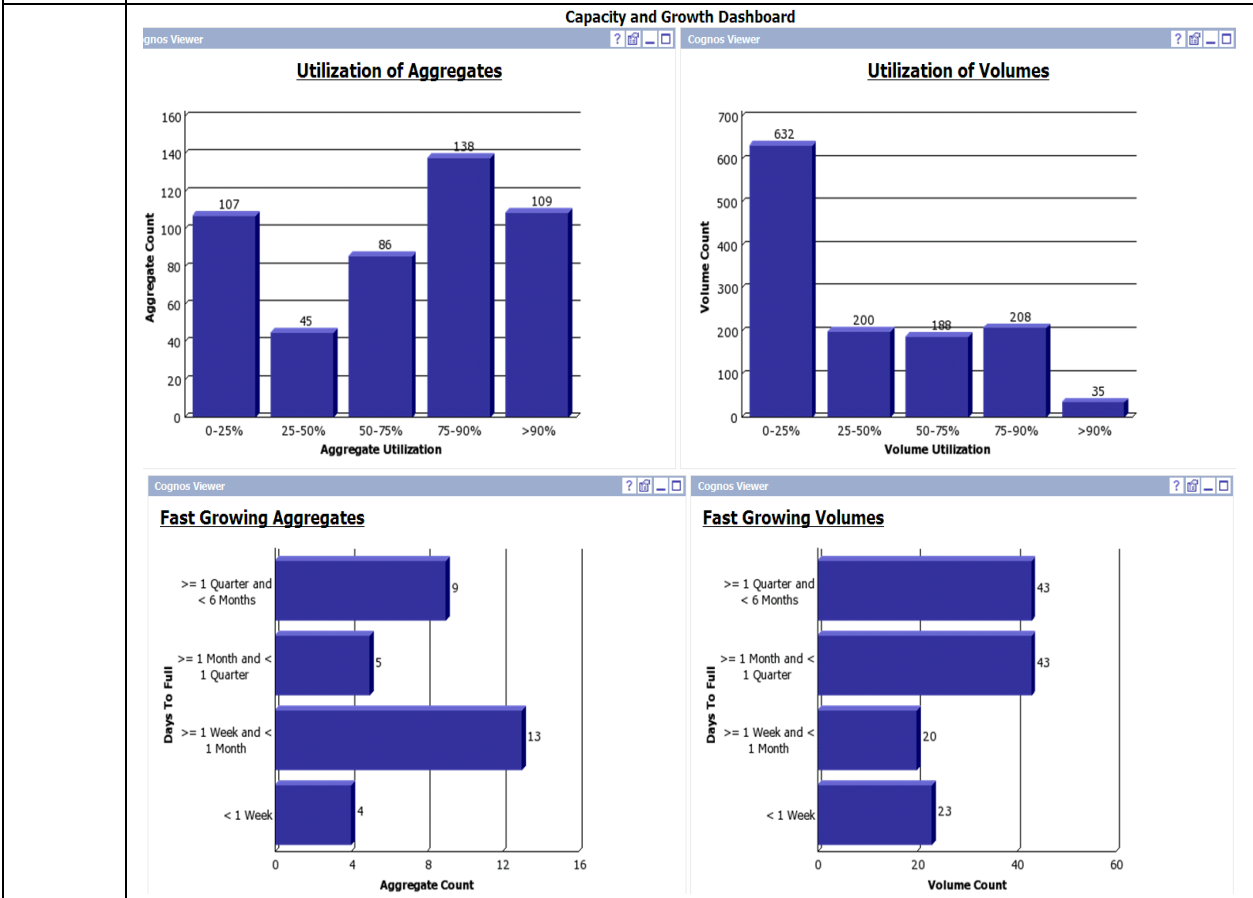


Step 23

Repeat the edit process in the toolbar of other Cognos Viewer portlets. Repeat steps 20 and 21 to select other reports that would appear in the dashboard for the other three Cognos Viewer portlets.



Step 24 In this scenario, for Storage Capacity and Growth dashboard, Aggregate Growth, Volume Utilization, and Volume Growth reports are selected to be displayed in the dashboard.



Additional options in dashboard.

Step 25 Click Edit Dashboard appearing at the top-right corner of the dashboard screen to hide edit options displayed for each Cognos Viewer portlet.




Step 26 Select Page style and click Hide title bars under Portlet style. Click OK.

Portlet Style

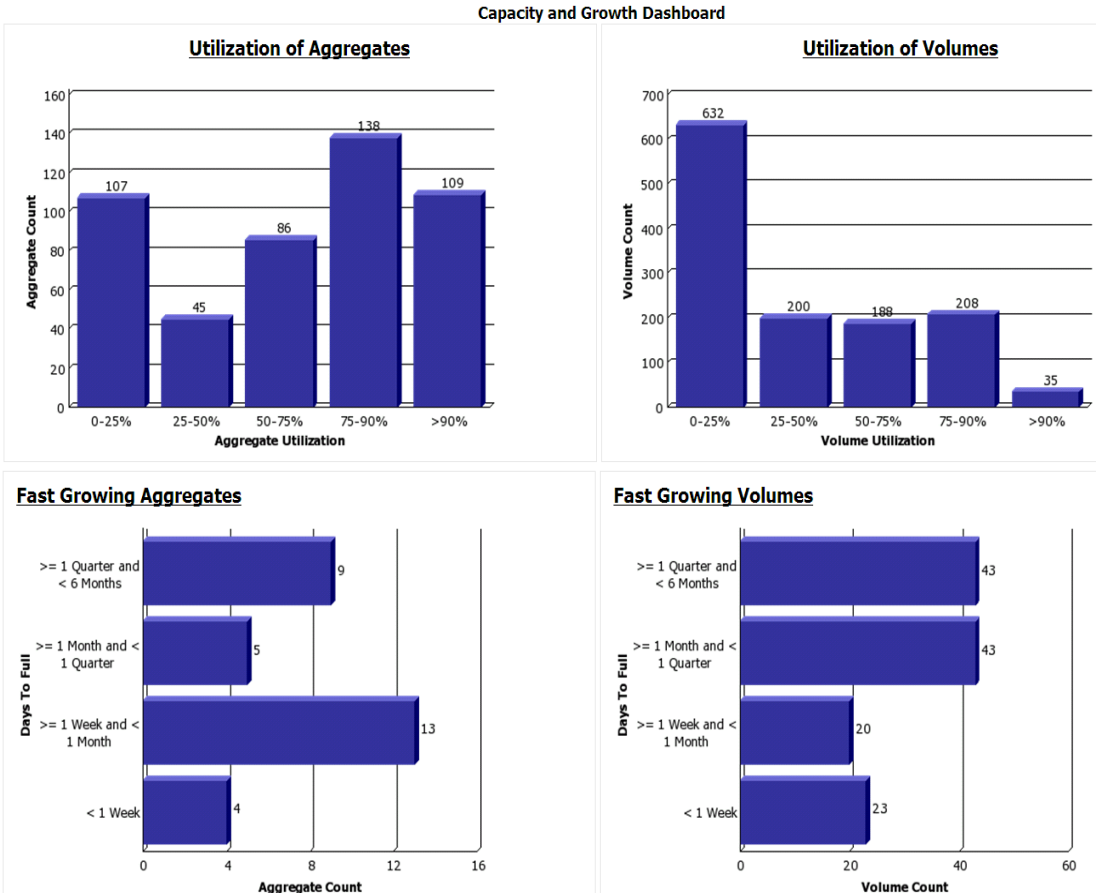
Hide borders

Hide title bars

 Hide Edit buttons on the title bar

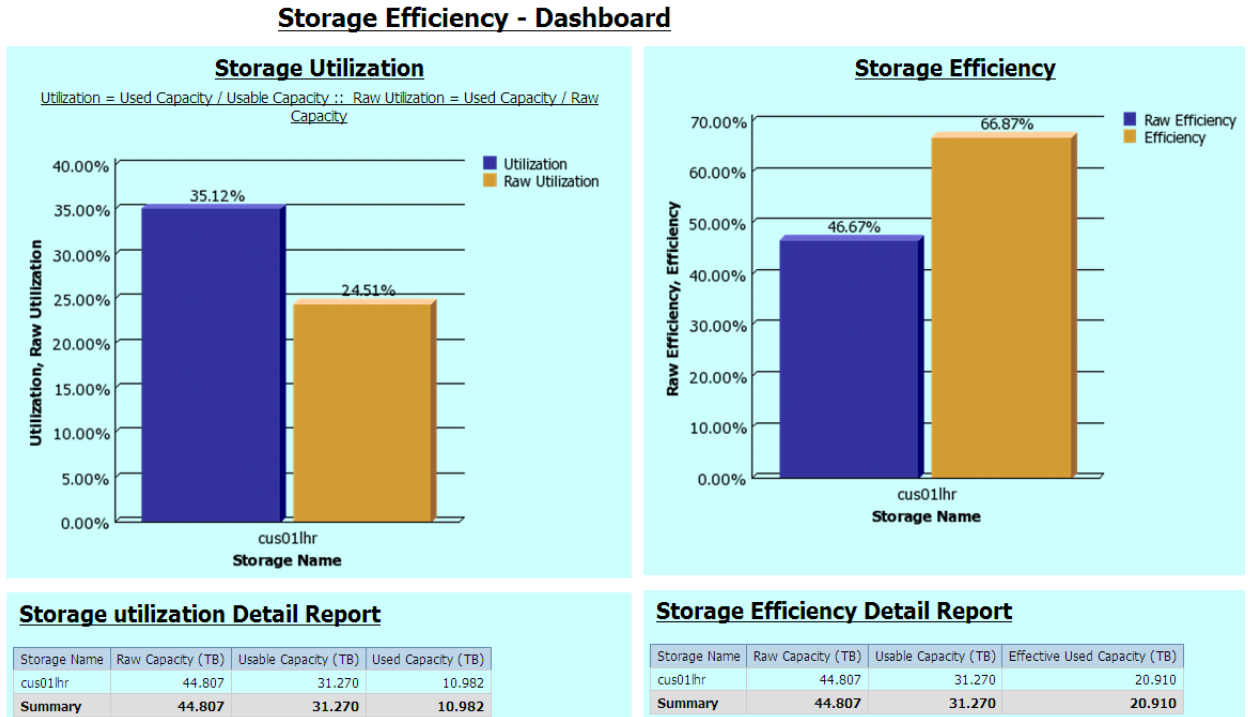
OK Cancel

Step 27 Edit options in dashboard are now hidden.



2.3 OTHER SAMPLE DASHBOARDS

Figure 2) Sample custom dashboard.



3 SUMMARY

OnCommand Report provides the flexibility to create your own custom dashboard by grouping reports to show different views of data that relate to a specific management concern. Custom dashboards can include predefined reports and your custom reports as described in this technical report.

4 REFERENCES

- OnCommand Report
<http://www.netapp.com/us/products/management-software/oncommand-report/>
- Customer Community
https://communities.netapp.com/community/products_and_solutions/storage_management_software/oncommand-report

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