



regoUniversity 2019

SAN DIEGO

NSQL Portlets | Intermediate

Your Guides: Luis Palacios and David Zywiec

Introductions

- Take 5 Minutes
- Turn to a Person Near You
- Introduce Yourself
- Business Cards



Agenda

- Multi-Dimensional Portlets
 - NSQL Syntax
 - Creating a sample portlet
 - Limitations
 - Common errors and best practices
- Hierarchical Portlets
 - NSQL Syntax
 - Creating a sample portlet
 - Limitations and best practices
- Questions

Chart Portlets



Let Rego be your guide.

Chart Portlets

- When to use charts
 - Displaying data containing multiple dimensions / metrics
 - Dashboards
 - Summarizing data
- What type of chart to use
 - 11 different chart types
 - Choose a chart that best suits the data you want to visualize
 - Ensure that your data provider contains the minimum number of metrics for the chart type

Chart Portlets: Types

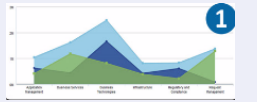
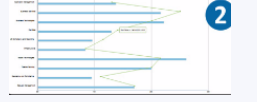




Chart Type	Description	Min Metrics	Max Metrics	Example
Area	Displays data points that are connected by lines along the axes. Displays different colors to fill in the area below the line.	1 / 1	Unlimited / 1	
Bar	Displays each dimension of the data in a horizontal bar.	1 / 1	Unlimited / Unlimited	
Bubble	Displays metrics on the horizontal and vertical axes. The size of each bubble represents a third metric.	3 / -	3 / -	
Column	Displays each dimension of the data in a vertical bar.	1 / 1	Unlimited / Unlimited	
Donut	Displays the data dimension objects in proportional segments, like a pie chart.	1 / -	Unlimited / -	
Funnel	Displays the data dimension objects in proportional rows in a funnel shape similar to a pie chart.	1 / -	Unlimited / -	

Chart Portlets: Types


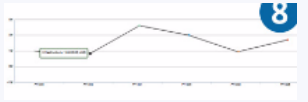


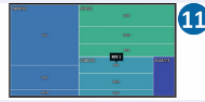
Chart Type	Description	Min Metrics	Max Metrics	Example
Heat Map	Displays a primary attribute or metric in a two-dimensional grid with values along the X-axis and Y-axis. The primary attribute values are represented using colors or shades of the same color.	3 / -	3 / -	
Line	Displays data points connected by lines along the axes.	1 / 1	Unlimited / 1	
Pie	Displays the data dimension objects in proportional slices.	1 / -	1 / -	
Scatter	Displays metrics across the X-axis and Y-axis.	2 / 2	2 / 2	
Tree Map	Displays data in a hierarchical tree with branched nodes. Chart values appear in different colors and can include clickable shapes that show the relative size of each subgroup. Tree maps progressively reveal more detailed information in deeper levels. The user can expand each subgroup to reveal the child data points in deeper levels.	3 / -	3 / -	

Chart Portlets: Example

- The next several slides will demonstrate how to build a Donut Chart

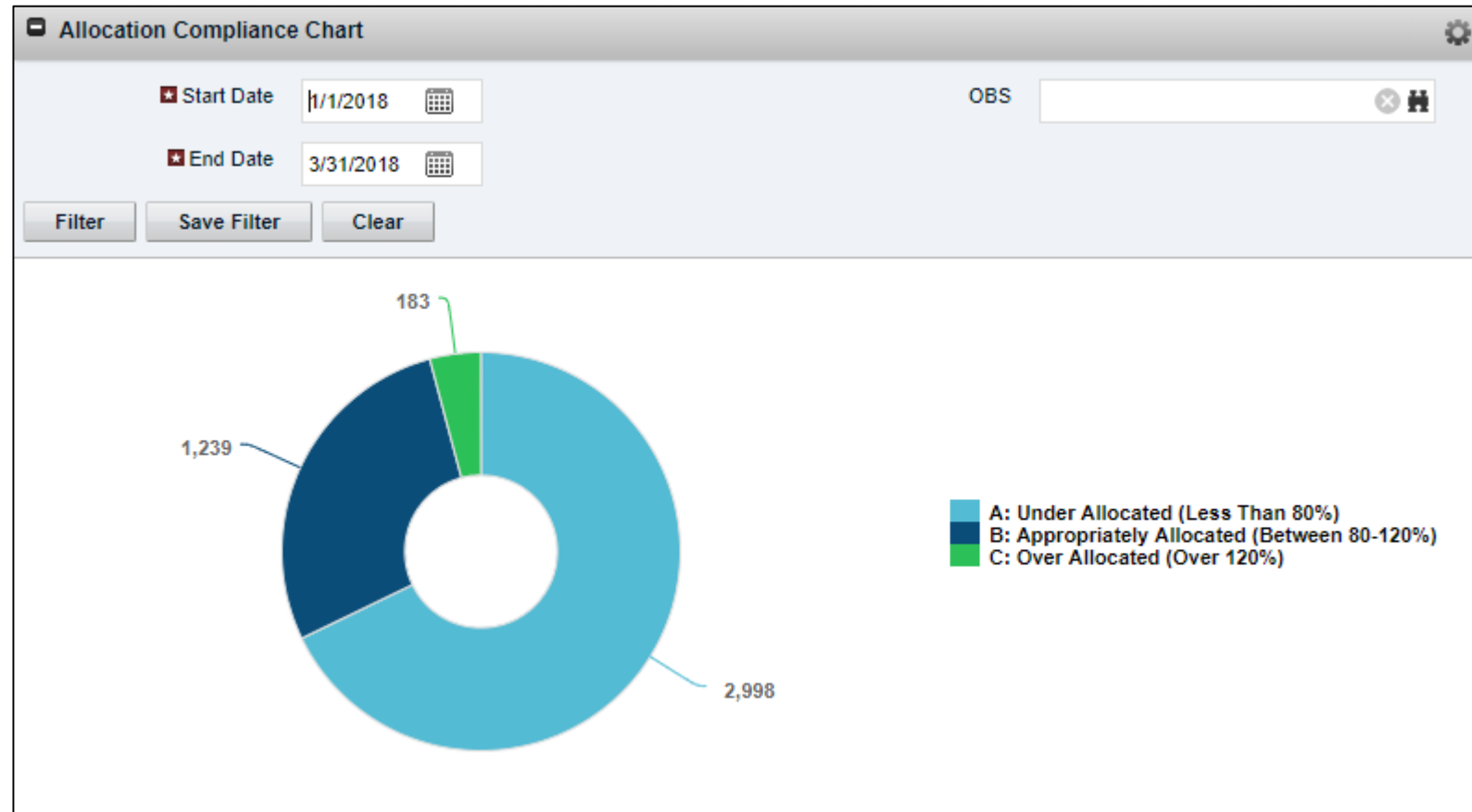
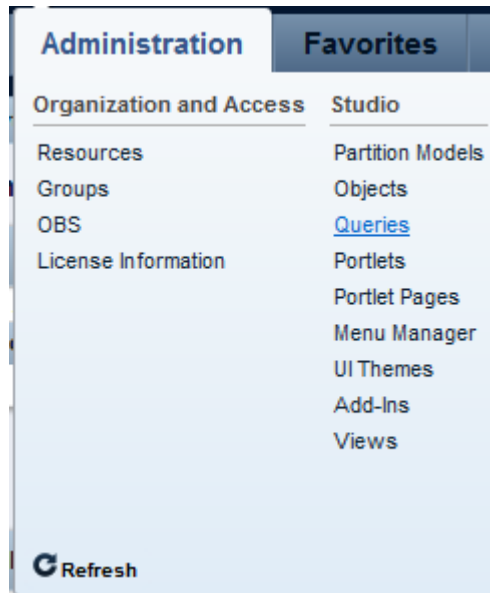


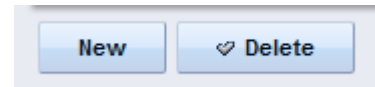
Chart Portlets: Query

- Create Query

1) Administration -> Queries



2) Click New



3) Enter Query Name and ID, click Save and Continue

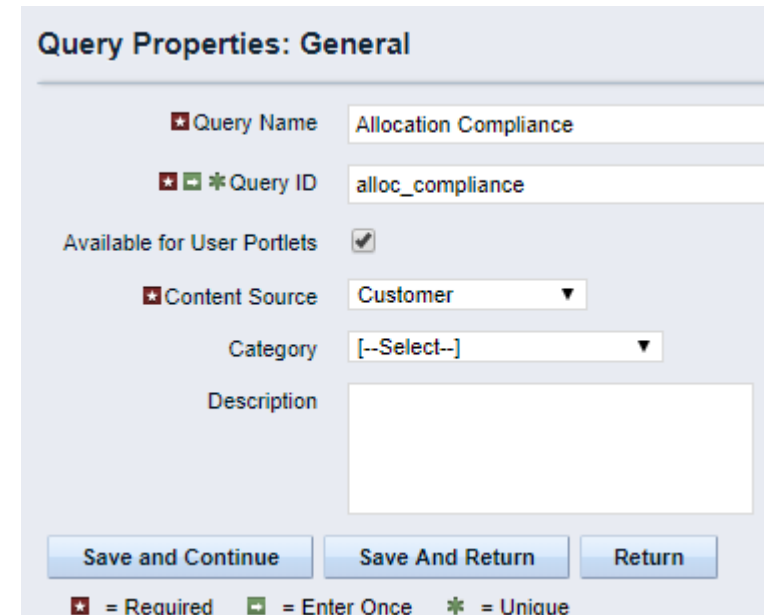
A screenshot of the 'Query Properties: General' form. It contains the following fields: 'Query Name' (text input with value 'Allocation Compliance'), 'Query ID' (text input with value 'alloc_compliance'), 'Available for User Portlets' (checkbox checked), 'Content Source' (dropdown menu with value 'Customer'), 'Category' (dropdown menu with value '--Select--'), and 'Description' (text area). At the bottom are three buttons: 'Save and Continue', 'Save And Return', and 'Return'. A legend at the bottom indicates: * = Required, + = Enter Once, * = Unique.

Chart Portlets: Query

- Remove the default query and paste your query.
- Click Save and Continue

Query: Allocation Compliance - NSQL

```
NSQL SELECT @SELECT:DIM:USER_DEF:IMPLIED:grp:final.alloc_grp:alloc_grp@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:grp:final.grp_id:grp_id@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:grp:final.start_date:start_date@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:grp:final.end_date:end_date@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:grp:final.obs_id:obs_id@,
@SELECT:METRIC:USER_DEF:IMPLIED:COUNT(final.alloc_grp):alloc_grp_cnt@
FROM (SELECT srmr.id res,
av.avail,
NVL (al.alloc, 0) alloc,
NVL (al.alloc, 0) / av.avail * 100 alloc_pct,
CASE
WHEN NVL (al.alloc, 0) / av.avail * 100 < 80 THEN 1
WHEN NVL (al.alloc, 0) / av.avail * 100 BETWEEN 80 AND 120 THEN 2
WHEN NVL (al.alloc, 0) / av.avail * 100 > 120 THEN 3
END grp_id,
CASE
WHEN NVL (al.alloc, 0) / av.avail * 100 < 80
THEN
'A: Under Allocated (Less Than 80%)'
WHEN NVL (al.alloc, 0) / av.avail * 100 BETWEEN 80 AND 120
THEN
'B: Appropriately Allocated (Between 80-120%)'
WHEN NVL (al.alloc, 0) / av.avail * 100 > 120
THEN
'C: Over Allocated (Over 120%)'
END alloc_grp,
@WHERE:PARAM:USER_DEF:INTEGER:obs@ obs_id,
@WHERE:PARAM:USER_DEF:DATE:startdate@ start_date,
@WHERE:PARAM:USER_DEF:DATE:enddate@ end_date
FROM srm_resources srmr
INNER JOIN prj_resources prjr
ON srmr.id = prjr.prjid AND prjr.prjrole = 0
```

Preview Save and Continue Save And Return Return

Chart Portlets: Query

- Review Attributes

General NSQL **Attributes** Linking

Query: Allocation Compliance - *Attributes*

Attributes

Name	ID	Attribute Class	Data Type	Extended Data Type	Required	Lookup
alloc_grp_cnt	alloc_grp_cnt	Metric	Numeric	Numeric		
grp						
↳ alloc_grp	alloc_grp	Dimension Key	String	String		
↳ grp_id	grp_id	Dimension Property	Numeric	Numeric		
↳ start_date	start_date	Dimension Property	String	String		
↳ end_date	end_date	Dimension Property	String	String		
↳ obs_id	obs_id	Dimension Property	String	String		
param_startdate	param_startdate	Parameter	Date	Date		
param_obs	param_obs	Parameter	Numeric	Numeric		✓
param_enddate	param_enddate	Parameter	Date	Date		

Continue Return

Metric →

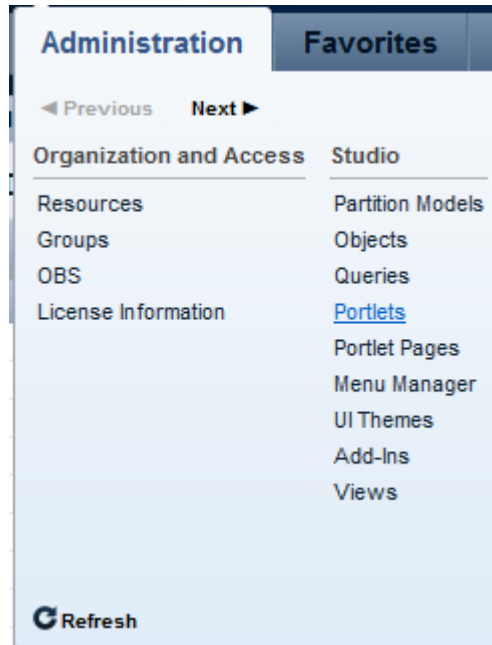
Properties →

Parameters →

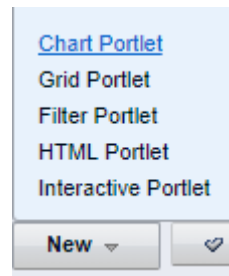
Chart Portlets: Portlet

- Create Portlet

1) Administration -> Portlets



2) Click New -> Chart Portlet



3) Enter Portlet Name and ID, browse for NSQL Query as Data Provider

4) Click Next, then Finish and Open

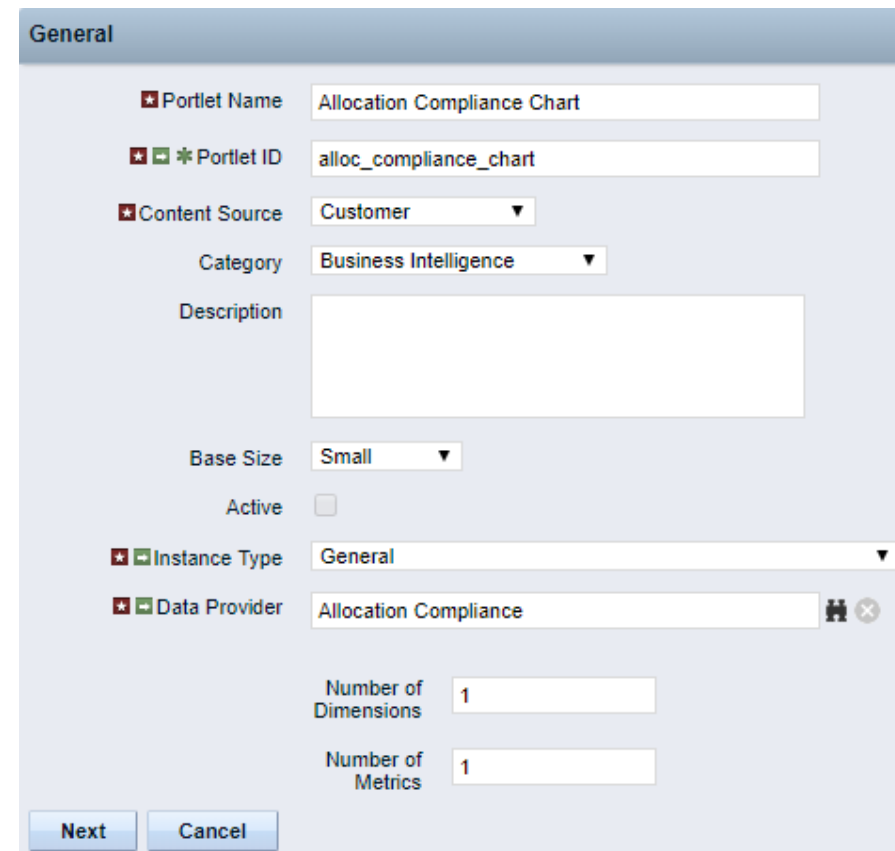
A screenshot of the 'General' configuration form for a portlet. The form contains the following fields: 'Portlet Name' (Allocation Compliance Chart), 'Portlet ID' (alloc_compliance_chart), 'Content Source' (Customer), 'Category' (Business Intelligence), 'Description' (empty text area), 'Base Size' (Small), 'Active' (checkbox), 'Instance Type' (General), 'Data Provider' (Allocation Compliance), 'Number of Dimensions' (1), and 'Number of Metrics' (1). 'Next' and 'Cancel' buttons are at the bottom.

Chart Portlets: Portlet

- Select Chart Type
- Select Metric attribute
- Click “Finish and Open”
- Chart Section tab
 - Source Data sub-tab options depend on chart type

Portlet: Allocation Compliance Chart - *Chart Type*

Chart Type

Portlet: Allocation Compliance Chart - *Select Metric*

☒ Metric

Portlet: Allocation Compliance Chart - *Finish*

Click on the Finish button to create the portlet. Further options are available after you click Finish and Open.

General | Chart Section ▼ | Chart Filter Section ▼ | Access to this Portlet ▼

Portlet: Allocation Compliance Chart - *Source Data*

Metric

Chart Portlets: Portlet

- Chart Section tab (cont)
 - Options sub-tab contents also varies depending on chart type
 - In this example the Legend Labels are a variable (alloc_grp) whose value is set in the NSQL query:

```
CASE WHEN ... < 80 THEN 'A: Under Allocated (Less Than 80%)'
WHEN ... BETWEEN 80 AND 120 THEN 'B: Appropriately Allocated (Between 80-120%)'
WHEN ... > 120 THEN 'C: Over Allocated (Over 120%)' END alloc_grp
```

- Select “Do not show results until I filter” option for potentially large queries to improve usability and efficiency

Portlet: Allocation Compliance Chart - Options

Click Save immediately after setting Legend Labels, Datapoint Labels, or Mouseover Labels or your changes may be lost.

Show Legend ☒

Show Title ☐

'Other' Category Threshold Value below which data point is added to the 'Other' category

Legend Labels

Datapoint Labels

Decimal Places

Show Separator ☒

Mouseover Labels

Label Attribute

Sort Column

Filter ☐ Automatically show results ☒ Do not show results until I filter

Allow Configuration ☒

Allow Label Configuration ☒

Chart Portlets: Portlet

- Chart Filter Section
 - Set filter layout and enter user-friendly labels as desired

General | Chart Section | Chart Filter Section | Access to this Portlet

Portlet: Allocation Compliance Chart - Chart Filter Fields

Display: Selected

Filter Label	Column	Data Type	Display Type	Required in Filter
End Date	param_enddate	Date	Date	✓
OBS	param_obs	Lookup - Number	Browse	
Start Date	param_startdate	Date	Date	✓

Save Save And Return Return

General | Chart Section | Chart Filter Section | Access to this Portlet

Portlet: Allocation Compliance Chart - Chart Filter Layout

Layout

Available	Selected (Left Column)	Selected (Right Column)
Allocation Group	Start Date*	OBS
Allocation Group Count	End Date*	
End Date		
Group ID		
OBS		
Start Date		

Add Field → ← Move Field → ← Move Field

Settings

Section Title: Allocation Compliance Chart

Default Filter State: ☐ Collapsed ☒ Expanded

Allow Power Filter: ☐

Save Save And Return Return

Chart Portlets: Portlet

- Add to a Portlet Page and you're all set!

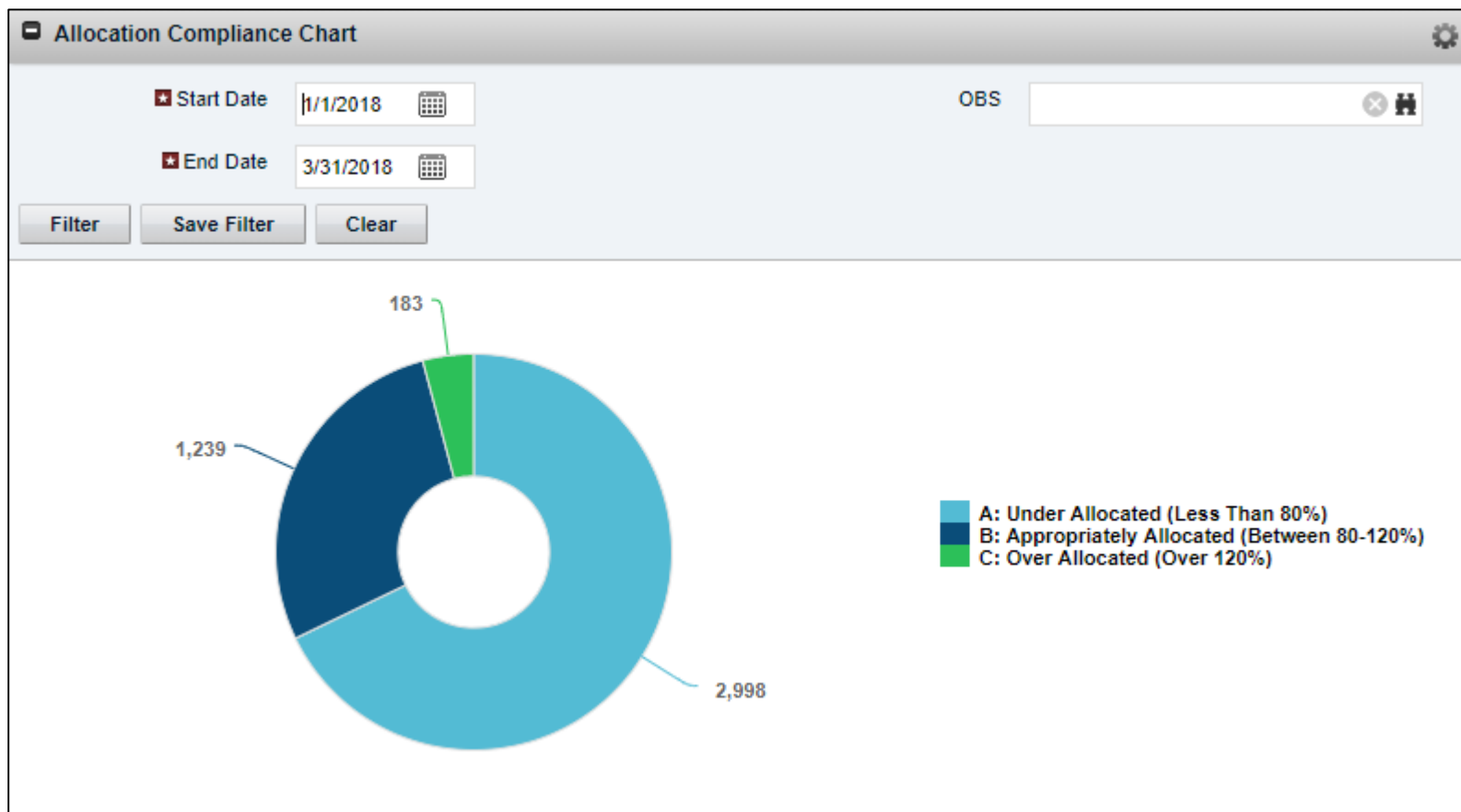


Chart Portlets: Limitations

- Take into account metric and dimensional limits
- Consistent Colors can be used, but it's a system general setting and is limited.
 - Improved in 15.1 by allowing RGB colors, transparency and improved borders.
- Other limitations to portlets apply like the NSQL governors.

Drilldown Portlets



Let Rego be your guide.

Drilldown Portlets

- More complex but a nice usability enhancement
- Several examples available on regoXchange
- Key components
 - Two portlets
 - Linking
 - XPATH construct
 - Portlet pages (one or two)
 - Filtering

Drilldown Portlets

- What is a Drilldown Portlet ?



- A portlet that provides summary data and links to detailed information in another portlet
- Examples
 - Pie Chart linking to a grid portlet that shows the details
 - Grid portlet showing summarized data linked to another grid that shows the detailed info

Drilldown Portlets

- High Level Implementation Steps:
 - Create Portlet Page with link parameter(s)
 - Create Query for Summary Portlet with link to the Portlet Page
 - Create Portlet based on Summary Query
 - Create Query for detail Portlet that utilizes the parameter(s) from the portlet page
 - Create Portlet based on Detail Query
 - Place Detail Portlet on the Portlet Page created above
 - Add Summary Portlet to a portlet page

Drilldown Portlets: Portlet Page and Link

- Create Portlet Page with a link parameter

1) Create a new Portlet Page

Page: [New Page] - Create Page

Content Source: Customer

Type: Page without Tabs

Description:

Layout: Three Column 25-50-25

Personalizable: ☐

Save and Continue Save And Return Return

2) Check the Linkable box and Click Save and Continue

Page: Sample Drilldown Page - Properties

Content Source: Customer

Description:

Personalizable: ☐

Linkable: ☒

Save and Continue Publish Save And Return Return

3) Create a Link Parameter (make sure the ID is all lowercase)

Page: Sample Drilldown Page - Link Parameter

Parameter Name: Project Internal ID
 (The parameter label that the administrator will see when linking)

Parameter ID: prjid
 (This ID will be used in the URL when calling this page)

Save And Return Return

= Required = Enter Once = Unique

Drilldown Portlets: Source Portlet Query

- Create Query for summary portlet (continued on next slide)

1) Enter Query Name and ID

Query Properties: General

Query Name: Project Summary Query

Query ID: regou_source_qry

Available for User Portlets: ☒

Content Source: Customer

Category: [--Select--]

Description:

Save and Continue Save And Return Return



Save and Continue

2) Remove default NSQL and paste new query

Query: Project Summary Query - NSQL

NSQL

```
SELECT
@SELECT:DIM:USER_DEF:IMPLIED:PRJ:INV.ID:PRJID@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:PRJ:INV.NAME:PRJNAME@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:PRJ:MGR.USER_ID:MGRID@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:PRJ:MGR.FULL_NAME:PRJMGR@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:PRJ:Count(*) :TEAMCOUNT@
FROM
INV_INVESTMENTS INV
JOIN PRITEAM PT ON INV.ID = PT.PRPROJECTID
JOIN SRM_RESOURCES MGR ON MGR.USER_ID = INV.MANAGER_ID
WHERE INV.ODF_OBJECT_CODE = 'project'
AND @FILTER@
GROUP BY INV.ID, INV.NAME, MGR.USER_ID, MGR.FULL_NAME
HAVING @HAVING_FILTER@
```

Drilldown Portlets: Source Portlet Query

- Go to Linking tab and click New

Query: Project Summary Query - Linking

There are no links defined for this query.

New

Return

- Select “Sample Drill Down Page”

Query: Project Summary Query - Link Settings

Name Project Details Drill Link

Link ID regou_drill_link

Description

Action [-- Select --]

Save And Return

Rights by User

Role Capacity

Sample Drilldown Page

Scheduled Report

Schedule Performance Drill Down

- Map the Project Internal ID to *prjid* from the NSQL

Project Internal ID

prjid

Save And Return

Return

Drilldown Portlets: Source Portlet

- Create Summary Portlet

- 1) Provide Portlet Name and ID
- 2) Browse for Data Provider

General

Portlet Name: Project Summary Portlet

Portlet ID: regou_prj_summary

Content Source: Customer

Category: Administration

Description:

Instance Type: General

Data Provider: Project Summary Query

Number of Dimensions: 1

Number of Metrics: 0

Next Cancel

☒ = Required ☒ = Enter Once ☒ = Unique

- 3) Click on List Columns-> Layout
- 4) Configure the Layout

Portlet: Project Summary Portlet - List Column Layout

Column Layout

Available Columns: mgrid, prjid

Selected Columns: prjname, prjmgr, teamcount

Column Sorting

Sort By	Column	Direction	
		Ascending	Descending
First Field	prjname	<input checked="" type="radio"/>	<input type="radio"/>
Second Field	[--Select--]	<input checked="" type="radio"/>	<input type="radio"/>

- 5) Update the Labels

Portlet: Project Summary Portlet - List Column F

Show: All Display: Selected Go

Column Label	Attribute	Data Type
Project Manager	prjmgr	String
Project Name	prjname	String
Team Count	teamcount	Number

New Save Save And Return Return

☒ = Required

- 6) Click "Project Name" properties icon

Drilldown Portlets: Source Portlet

- Select the Link that we created
 - *Link = Project Details Drill Link*
- Select “Team Count” in Disable Link Attribute
 - This will disable the link if there are NO Team members on the project.
- Hit Save And Return

Portlet: Project Summary Portlet - List Column Field

General

Attribute prjname

Data Type String

☒ Column Label Project Name

Show Column Label ☒

Display Type Text

Secondary Value [--Select--]

Alignment Left

Column Width %

Width (Number of columns)

Height (Number of rows)

Allow Word Wrapping in Column Header ☐

Allow Word Wrapping in Column ☒

Link Project Details Drill Link

Open as Pop-up ☐

Disable Link Attribute Team Count
(The attribute column value link will be disabled)

Save Save And Return Return

☒ = Required

Drilldown Portlets: Destination Portlet Query

- Create Query for detail portlet

1) Enter Query Name and ID

Query Properties: General

Query Name	Project Details Query-drilldown
Query ID	regou_destination_qry
Available for User Portlets	<input checked="" type="checkbox"/>
Content Source	Customer
Category	[--Select--]
Description	



2) Remove default NSQL and paste new query

Query: Project Details Query-drilldown - NSQL

NSQL	<pre>SELECT @SELECT:DIM:USER_DEF:IMPLIED:RES:srm.id:RESID@, @SELECT:DIM_PROP:USER_DEF:IMPLIED:RES:srm.full_name:Resource_Name@ FROM FRTTEAM PT JOIN SRM_RESOURCES SRM ON SRM.ID = PT.PRRESOURCEID WHERE 1=1 And (@WHERE:PARAM:XML:STRING:/data/prjid/@value@ IS NULL OR @WHERE:PARAM:XML:STRING:/data/prjid/@value@ =PT.PRPROJECTID) AND @FILTER@</pre>
<div>Preview Save and Continue Save And Return Return</div>	

Drilldown Portlets: Destination Portlet Query

- XPATH (XML Parameter) Construct

Enables a portlet to retrieve a name-value pair from the XML page URL to a user-defined portlet.

Format:

@WHERE:PARAM:XML:STRING:/data/prjid/@value@

Case sensitive (Best Practice – all lowercase IDs)

This construct can only be used on a specific portlet instance type, not the *General* portlet instance type.

This construct expects the internal ID value to come from the URL that is displaying the page that contains the portlet.

```
SELECT
    @SELECT:DIM:USER_DEF:IMPLIED:RES:srm.id:RESID@,
    @SELECT:DIM_PROP:USER_DEF:IMPLIED:RES:srm.full_name:Resource_Name@
FROM PRTEAM PT
JOIN SRM_RESOURCES SRM ON SRM.ID = PT.PRRESOURCEID
WHERE 1=1

AND (@WHERE:PARAM:XML:STRING:/data/prjid/@value@ IS NULL
    OR @WHERE:PARAM:XML:STRING:/data/prjid/@value@ =PT.PRPROJECTID)

AND @FILTER@
```

Drilldown Portlets: Destination Portlet

- Create Detail Portlet
- Input Portlet Name and ID
- Browse for Query
- Click Next
- Click Finish and Open
- Go to Column Layout
- Update the Layout
- Update Column Sorting
- Update Field Label

General

Portlet Name: Project Details Portlet -drilldown

Portlet ID: regou_detail_portlet_drilldown

Content Source: Customer

Category: Administration

Description:

Instance Type: General

Data Provider: Project Details Query-drilldown

Number of Dimensions: 1

Number of Metrics: 0

Next Cancel

Portlet: Project Details Portlet -drilldown - List Column Layout

Column Layout

Available Columns: resid

Selected Columns: resource_name

Column Sorting

Sort By	Column	Direction	
		Ascending	Descending
First Field	resource_name	<input checked="" type="radio"/>	<input type="radio"/>
Second Field	[--Select--]	<input type="radio"/>	<input type="radio"/>
Third Field	[--Select--]	<input type="radio"/>	<input type="radio"/>
Fourth Field	[--Select--]	<input type="radio"/>	<input type="radio"/>

Save Save And Return Return

Portlet: Project Details Portlet -drilldown - List Column Fields

Show: All Display: Selected Go

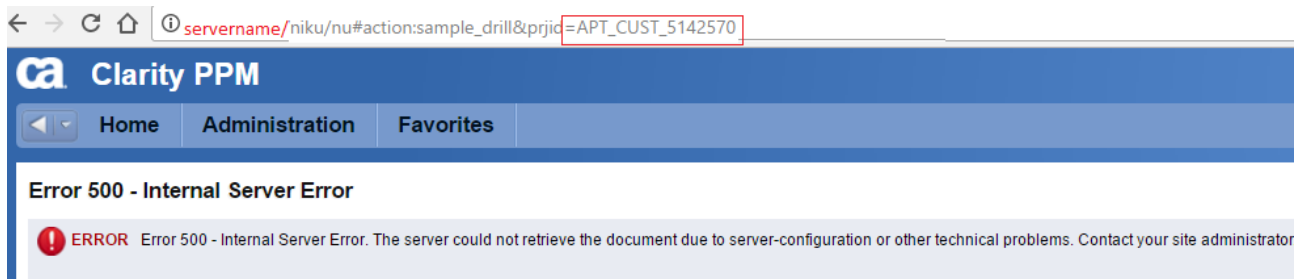
Column Label	Attribute	Data Type	Display
Resource Name	resource_name	String	Text

Drilldown Portlets: Portlet Page(s)

- Final piece - Placing the two Portlets on the Portlet Page(s)
- Requires at least ONE portlet page
- The detail portlet MUST be placed on the page that was created previously.
- The Summary Portlet can be placed on the same page OR another page.
- Add the portlet page that contains the Summary Portlet as a new link on the Menu using Menu Manager.

Drilldown Portlets: 1 Portlet Page

- CASE #1: Placing both portlets on the same portlet page



1) Go Back to Portlet Page -> Link Parameter

Page: Sample Drilldown Page - *Link Parameter*

Parameter Name: Project Internal ID
(The parameter label that the administrator will see)

Parameter ID: prjid
(This ID will be used in the URL when calling this)

Parameter Source: APT_CUST_5142570



2) Add the below AND condition to Detail Query:

AND @WHERE:PARAM:XML:STRING:/data/prjid/@value@ != 'APT_CUST_5142570'

Query: Project Details Query-drilldown - *NSQL*

```

NSQL
SELECT
@SELECT:DIM:USER_DEF:IMPLIED:RES:srm.id:RESID@,
@SELECT:DIM_PROP:USER_DEF:IMPLIED:RES:srm.full_name:Resource_Name@
FROM PRIEAM PT
JOIN SRM_RESOURCES SRM ON SRM.ID = PT.PRRESOURCEID
WHERE 1=1
AND(@WHERE:PARAM:XML:STRING:/data/prjid/@value@ IS NULL
    OR @WHERE:PARAM:XML:STRING:/data/prjid/@value@ =PT.PRPROJECTID)
AND @WHERE:PARAM:XML:STRING:/data/prjid/@value@ != 'APT_CUST_5142570'
AND @FILTER@
  
```

If the drilldown portlet page is added to the menu, then the parameter value will default to the **Parameter Source**.

Drilldown Portlets: 1 Portlet Page

- Click the Menu link

Sample Drilldown Page

Project Summary Portlet

Project Name▲	Project Manager	Team Count
ABC E-Commerce 1	Administrator, Niku	5
ABC E-Commerce (1.1)	Chouhan, Vipin	17
Admin - Technical Environment Training Admin - Technical Environmvery long text	Wuenstel, Chris	11
Advanced Capabilities Enhancement	Dateno, George	6
Akhila's XOGGED Project	Zywiec, David	1
Another Sharepoint Test	Wuenstel, Chris	3
Bat Cave Re-Design	Joshi, Navdeep	8
Big Bang Theory Superhero	Spiderman, Spidy	8
Big Project Multiple Year [JS]	Administrator, Niku	18
BMI - Introduction To Clarity	Dolak, Jerry	4
Budget Allocation 2015	Admin, Rego	4
Build a Software Solution	DeCeglia, Virginia	15
Build home	Reynolds, Clayton	2
Business Strategy v1.0	Manager, Project	1
CER - Test Project 1	Reynolds, Clayton	4
CER Test Idea	Administrator, Niku	3
CER test Project	Administrator, Niku	3
Clarity Implementation Project	Cronin, Ellen	4
Clayton Project 1	Reynolds, Clayton	3
CLR Test Project 042314	Administrator, Niku	6

◀◀ Page 1 of 6 ▶▶ Displaying 1 - 20 of 108

Project Details Portlet -drilldown

There are no items to display



Sample Drilldown Page

Project Name▲	Project Manager	Team Count
ABC E-Commerce 1	Administrator, Niku	5
ABC E-Commerce (1.1)	Chouhan, Vipin	17
Admin - Technical Environment Training Admin - Technical Environmvery long text	Wuenstel, Chris	11
Advanced Capabilities Enhancement	Dateno, George	6
Akhila's XOGGED Project	Zywiec, David	1
Another Sharepoint Test	Wuenstel, Chris	3
Bat Cave Re-Design	Joshi, Navdeep	8
Big Bang Theory Superhero Contest	Spiderman, Spidy	8
Big Project Multiple Year [JS]	Administrator, Niku	18
BMI - Introduction To Clarity	Dolak, Jerry	4
Budget Allocation 2015	Admin, Rego	4
Build a Software Solution	DeCeglia, Virginia	15
Build home	Reynolds, Clayton	2
Business Strategy v1.0	Manager, Project	1
CER - Test Project 1	Reynolds, Clayton	4
CER Test Idea	Administrator, Niku	3
CER test Project	Administrator, Niku	3
Clarity Implementation Project	Cronin, Ellen	4
Clayton Project 1	Reynolds, Clayton	3
CLR Test Project 042314	Administrator, Niku	6

◀◀ Page 1 of 6 ▶▶ Displaying 1 - 20 of 108

Project Details Portlet -drilldown

Resource Name▲
Agrawal, Rahul
Alfred, Al
Allen, Barry
Brewster, Leanne
Dhar, Sankhadeep
Dolak, Jerry
Holt, Allen

Drilldown Portlets: 2 Portlet Pages

- CASE #2: Placing the Summary portlet on a different portlet page



Page: Rahul Test Page - Content

<input checked="" type="checkbox"/>	Content
<input type="checkbox"/>	No Maximized Portlet
<input type="checkbox"/>	Project Summary Portlet

Add Remove Save and Continue Save And Return

Optional

The additional AND condition is optional.

`AND @WHERE:PARAM:XML:STRING:/data/prjid/@value@ != 'APT_CUST_5142570'`

- Add the test Page as link to Menu

Drilldown Portlets: 2 Portlet Pages

- Click the Menu link

Rahul Test Page

Project Summary Portlet

Project Name▲	Project Manager	Team Count
ABC E-Commerce 1	Administrator, Niku	5
ABC E-Commerce (1.1)	Chouhan, Vipin	17
Admin - Technical Environment Training Admin - Technical Environmvery long text	Wuenstel, Chris	11
Advanced Capabilities Enhancement	Dateno, George	6
Akhila's XOGGED Project	Zywiec, David	1
Another Sharepoint Test	Wuenstel, Chris	3
Bat Cave Re-Design	Joshi, Navdeep	8
Big Bang Theory Superhero Contest	Spiderman, Spidy	8
Big Project Multiple Year [JS]	Administrator, Niku	18
BMI - Introduction To Clarity	Dolak, Jerry	4
Budget Allocation 2015	Admin, Rego	4
Build a Software Solution	DeCeglia, Virginia	15
Build home	Reynolds, Clayton	2
Business Strategy v1.0	Manager, Project	1
CER - Test Project 1	Reynolds, Clayton	4
CER Test Idea	Administrator, Niku	3
CER test Project	Administrator, Niku	3
Clarity Implementation Project	Cronin, Ellen	4
Clayton Project 1	Reynolds, Clayton	3
CLR Test Project 042314	Administrator, Niku	6

Click on Project Name

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Sample Drilldown Page

Project Details Portlet -drilldown

Resource Name▲

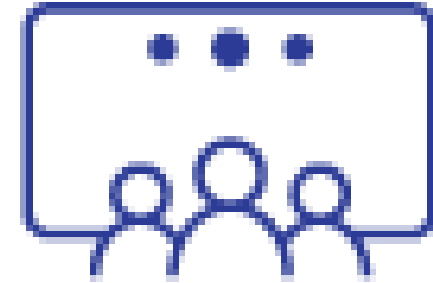
Agrawal, Rahul
Alfred, Al
Allen, Barry
Brewster, Leanne
Dhar, Sankhadeep
Dolak, Jerry
Holt, Allen
Jones, Bruce
Joshi, Navdeep
Junior Programmer
Murry, Chris
Obrien, Allison
Project Manager
Systems Analyst
Test Engineer
Trainor, Pat
Wachsmann, David

Resource Names appear on new page



RegoXchange Portlet References

- **regoXchange** contains some EXCELLENT drilldown portlets
 - Allocation Compliance Pie Chart Drilldown
 - Project Change Request count w/ Drilldown
 - Project Count by Stage w/ Drilldown
 - Projects by Status Indicator - Pie w/ Drilldown
 - Milestone Task Dependency
 - Actuals/ETC/Allocations per Resource
 - Capacity Graph
 - And more...



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