

Cognizant
Integrated Quality Dashboard

USER GUIDE

Version 3.1

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1. About this User Guide

This user's guide familiarizes you with Cognizant® Integrated Quality Dashboard (CIQDashboard). You can learn about the features, step-by-step instructions on how to access, configure, and use Cognizant® Integrated Quality Dashboard.

The user guide consists of the following chapters:

Chapter Name	Description
<u>About Cognizant Integrated Quality Dashboard</u>	Provides information about CIQDashboard
<u>User and Project Management</u>	Provides information on managing users and projects
<u>Admin</u>	Provides information on role of Admin
<u>Dashboard</u>	Provides information on Dashboard and its features
<u>Data Source</u>	Provides information on Data Source
<u>Features</u>	Provides information on available features

1.1. Intended Audience

This user guide is intended for the following user groups:

- **End users:** The users in this group can create and analyze the data in the dashboards using the reporting features.
- **Admin users:** The users in this group provide access to projects, create new roles, edit permission for roles, delete roles, create/delete teams, assign members to teams, activate/deactivate/delete users and reset passwords.

2. About Cognizant Integrated Quality Dashboard

Cognizant Integrated Quality Dashboard (CIQDashboard) is a data visualization solution that can transform data reporting into interactive business intelligence dashboards.

3. User and Project Management

This chapter provides instructions on how to log on to the application. This chapter also introduces the application home page and explains the screen elements and common features available in the application.

3.1. Manage Users

This section provides information on how to create a new account or log in as an existing user to use the CIQDashboard application.

3.1.1. Create a new account

1. In browser, type the URL provided by the Admin. The **Cognizant Integrated Quality Dashboard Sign In** page appears
2. Click **Create Account** if you are a new user. The **Create a New Account** page is displayed

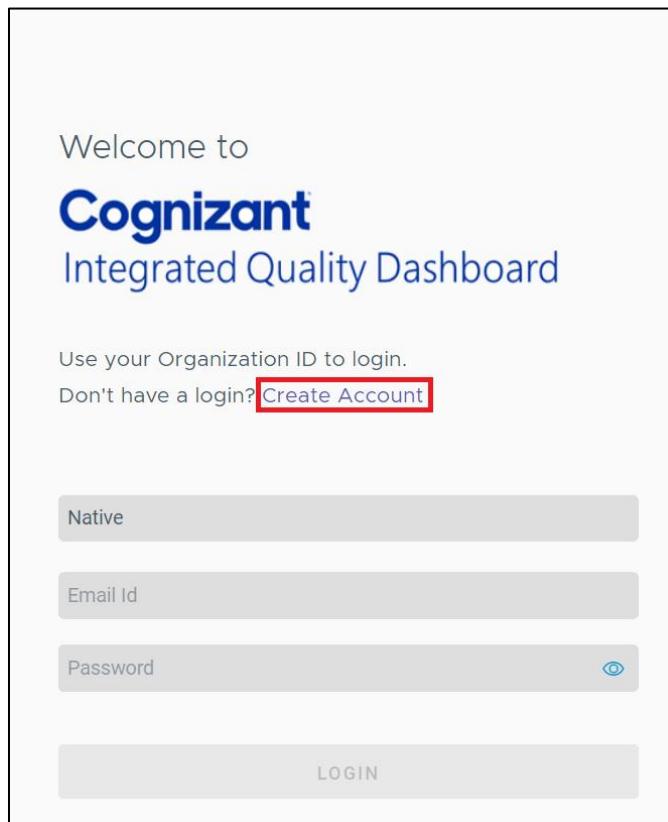


Figure 1: Create Account

The screenshot shows a user interface for creating a new account. At the top, the title "Create a New Account" is displayed. Below it is a dropdown menu set to "Native". The form consists of several input fields: "First Name" containing "Joseph", "Last Name" (empty), "Email Id" containing "jxxxxx.159@idashboard.com", and two "Password" fields, both showing ".....". A blue "CREATE ACCOUNT" button is located at the bottom of the form.

Figure 2: CREATE ACCOUNT

3. In **First Name**, enter your first name
4. In **Last Name**, enter your last name
5. In **Email Id**, enter your email id
6. In **Password**, provide a password
7. In **Confirm Password**, retype the provided password
8. Click **CREATE ACCOUNT**. New account is created successfully

After creating an account, if the user is not authenticated the following error message appears.

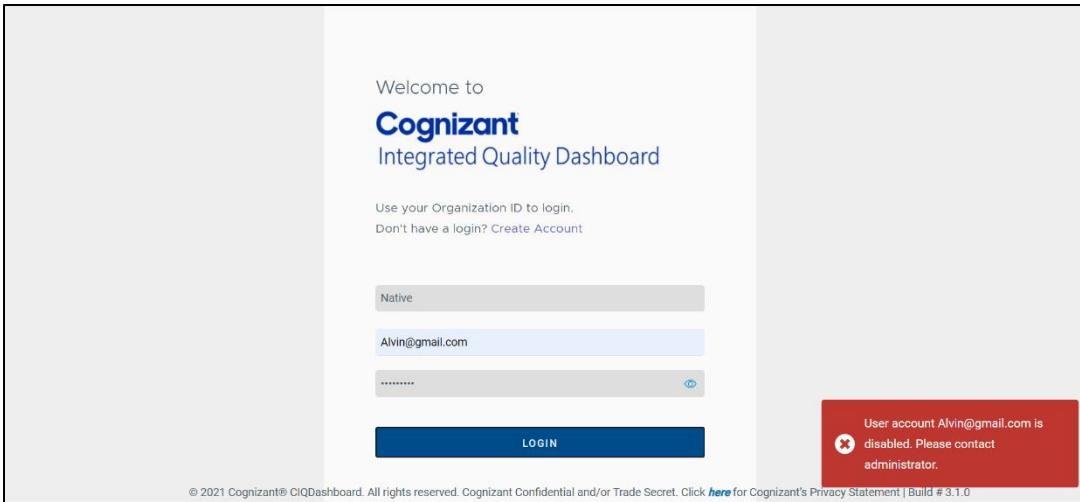


Figure 3: Authentication error

To authenticate the user's registration, the admin logs in, allocates roles, projects and activates the user as a member to the CIQDashboard platform. Refer [Admin](#) section for detailed information related to Admin and Admin's functions.

3.1.2. Login as an existing user

1. For registered users, enter the login credentials and click **LOGIN**

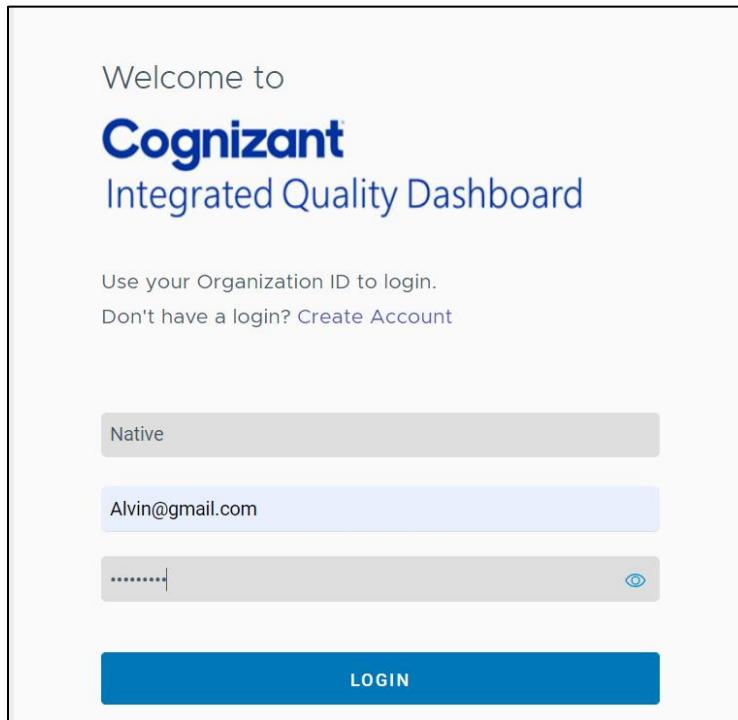


Figure 4: LOGIN

3.2. Profile

You can view the account information on selecting **Profile**. To change your password, click **Edit**.

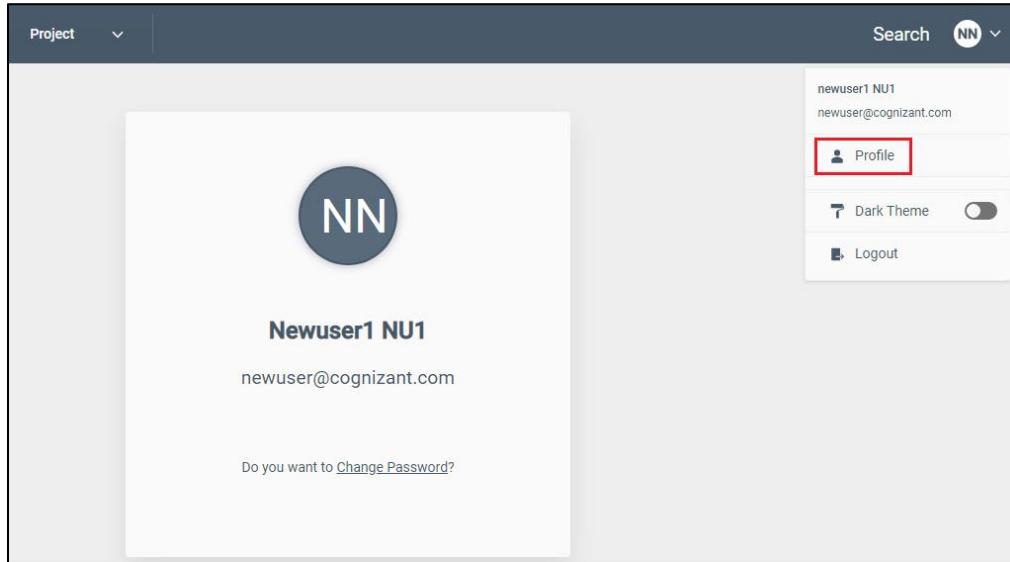


Figure 5: Profile

3.3. Change Password

1. In **Profile** click **Edit** to change password. Click **Change Password?** The **Change Password** page appears

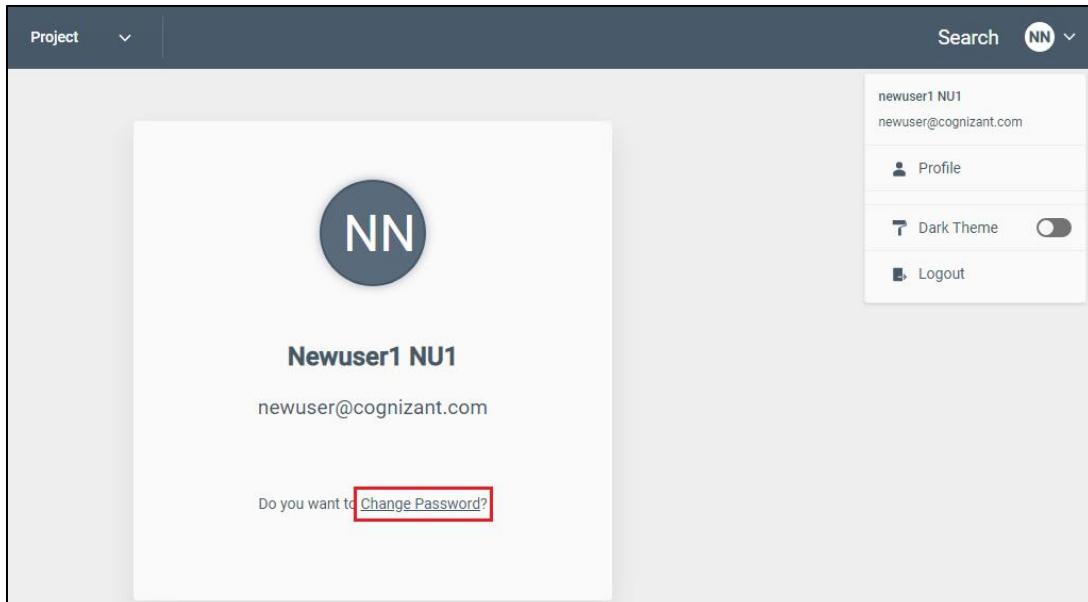
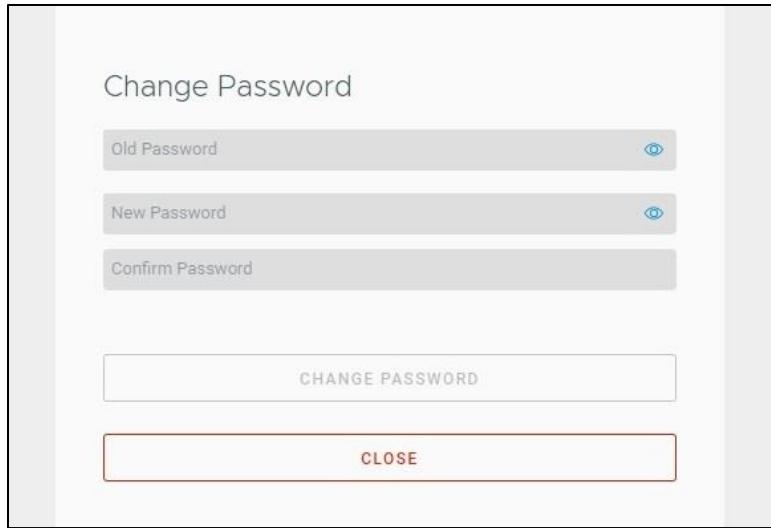


Figure 6: Change password

2. Enter valid credentials in **Old Password**, **New Password** and **Confirm Password** fields. Click **CHANGE PASSWORD**



The image shows a 'Change Password' dialog box. It contains three input fields: 'Old Password', 'New Password', and 'Confirm Password'. Below these is a large 'CHANGE PASSWORD' button, and at the bottom is a 'CLOSE' button.

Figure 7: New password

3. The password is changed and password changed success pop-up appears

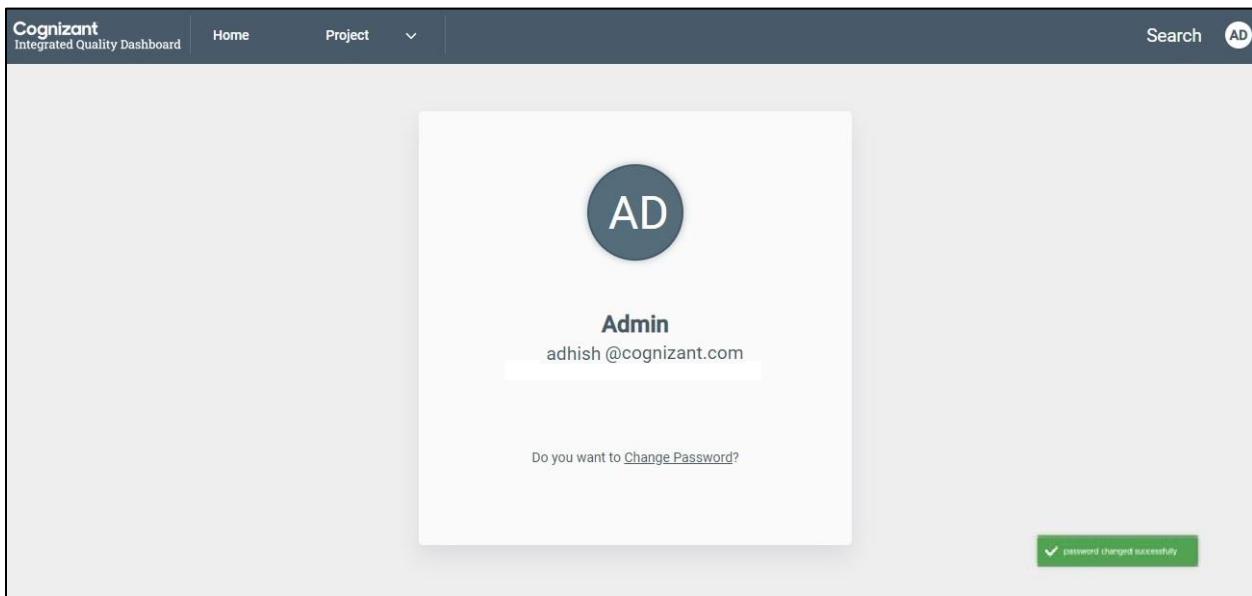


Figure 8: Password changed pop-up

3.4. Changing Theme

You can switch to **Dark Theme**. In **menu**, enable **Dark Theme**.

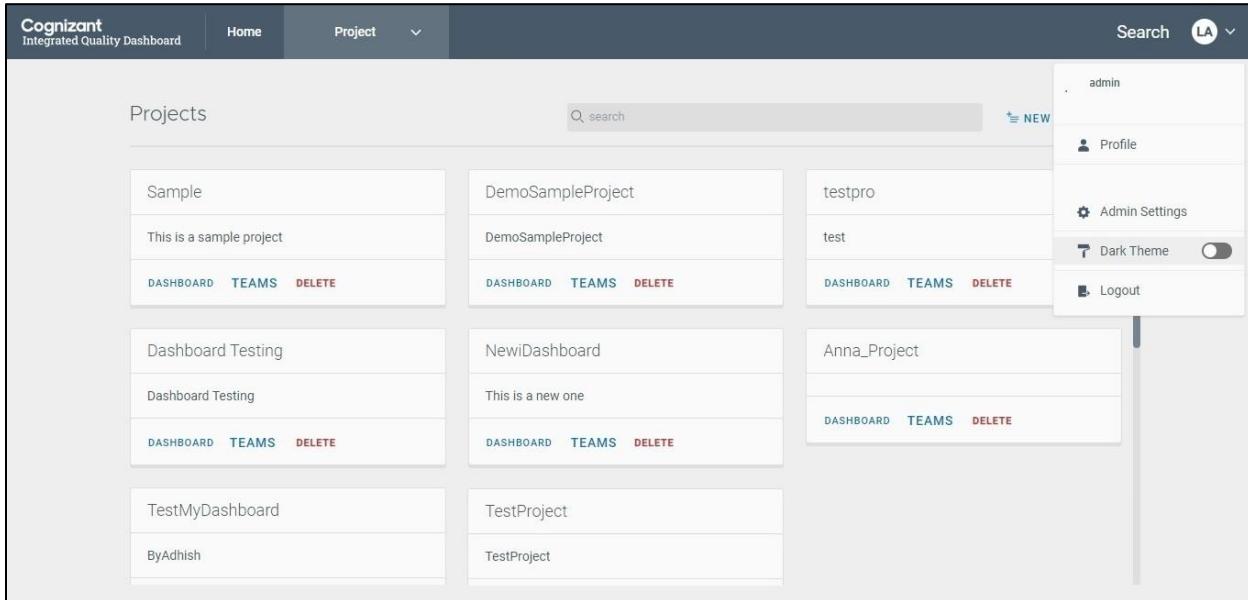


Figure 9: Enable dark theme

The dark theme is enabled and UI changes to dark theme.

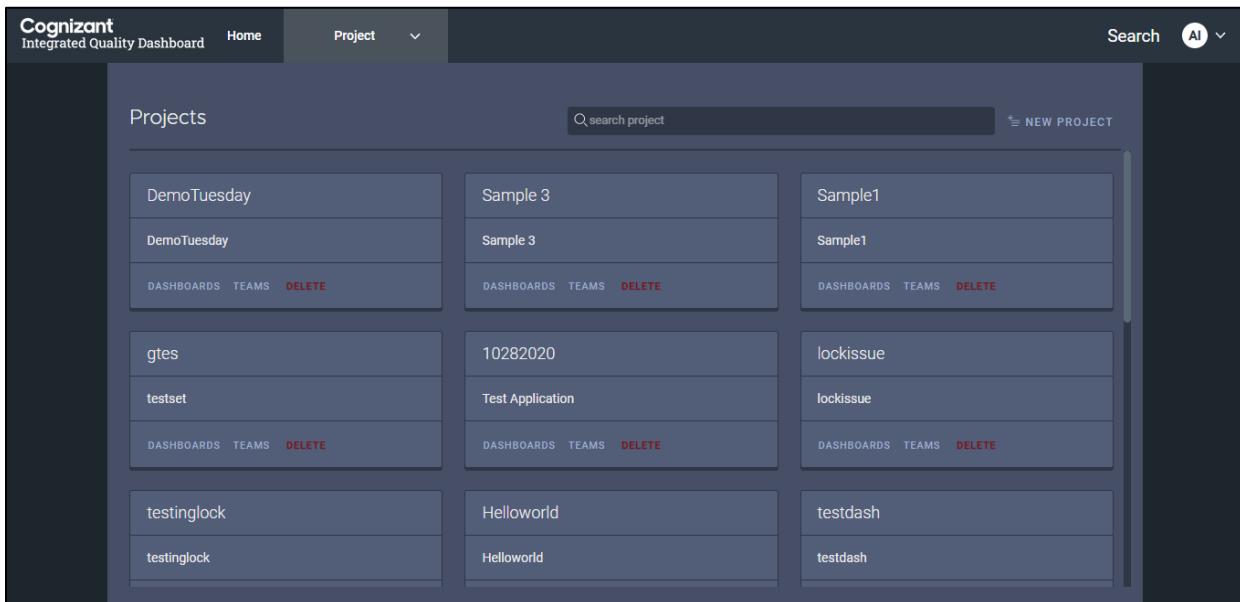


Figure 10: Dark Theme

4. Admin

As an Admin, you can allocate roles, projects and can activate/deactivate members.

Click the drop-down menu on the top-right of the screen and select **Admin Settings**. This menu is only available for the Admin.

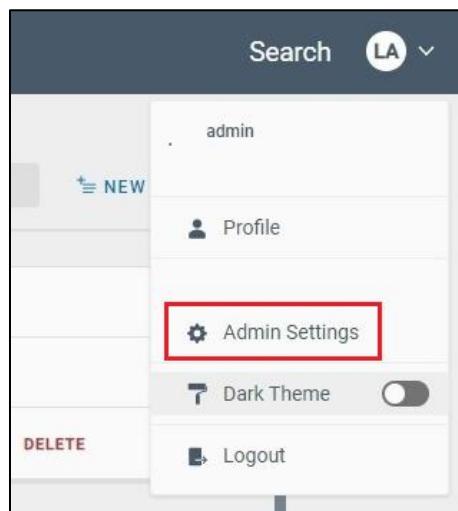


Figure 11: Admin Settings

You can view the users with assigned roles

The screenshot shows the 'Users' section of the Cognizant Integrated Quality Dashboard. The top navigation bar includes 'Home', 'Project', 'Search', and 'AD'. On the left, a sidebar has three tabs: 'Users' (selected, grey background), 'Roles' (white background), and 'Teams' (white background). The main area is titled 'Users' and contains a table with the following data:

User ID	Name	Role	Status
Sudarshan.muthuram@gmail.com	Sudarshan Muthuram	ADMIN,Dashboard,NewSuperAdmin,Tester	A
VisualShan@gmail.com	Shankar Tester		D
prabu@cognizant.com	prabu ayyappan	ADMIN	A
admin@idashboard.com	Admin	ADMIN,Dashboard,NewSuperAdmin	A
adxxx@idashboard.com	XYZ		D
1			15 Users

At the top right of the table are three buttons: 'ACTIVATE' (green), 'DEACTIVATE' (blue), and 'DELETE' (red). The status column uses green circles for 'A' and yellow circles for 'D'.

Figure 12: Users

In **Roles**, select an available role or click **ADD NEW** to create a new role

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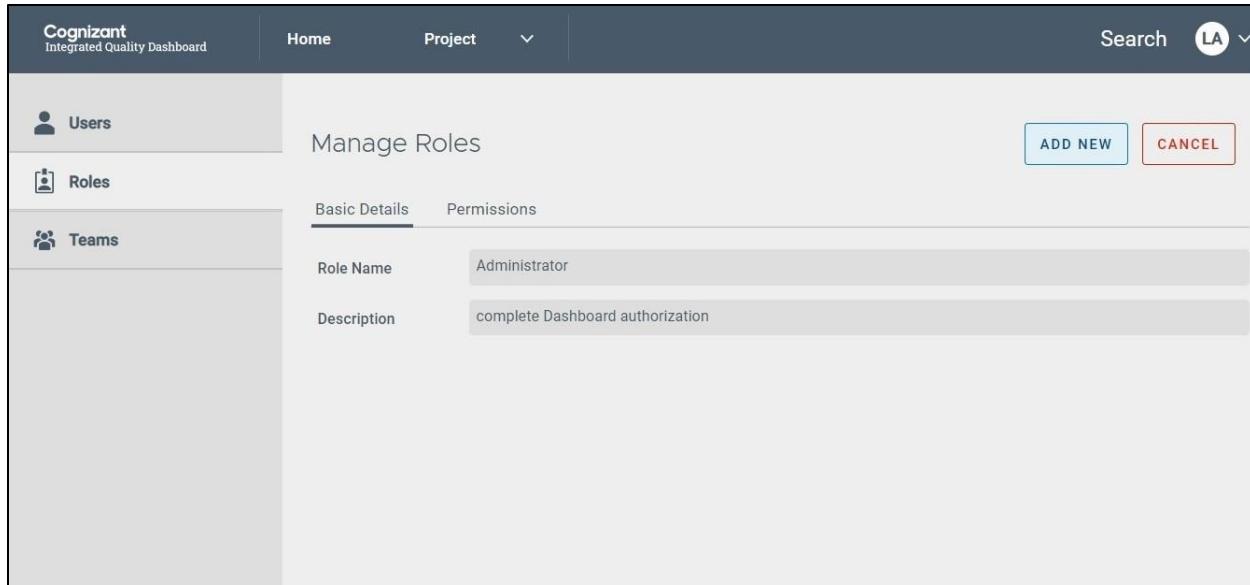


Figure 13: ADD NEW

Select **Permissions** tab and assign required permissions to user.

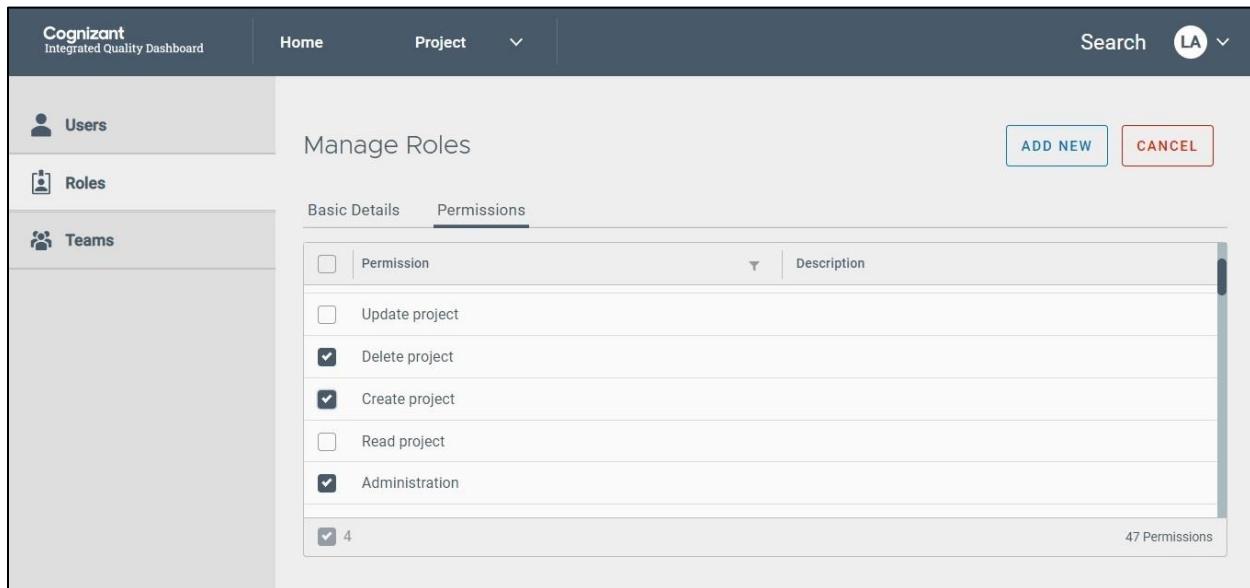
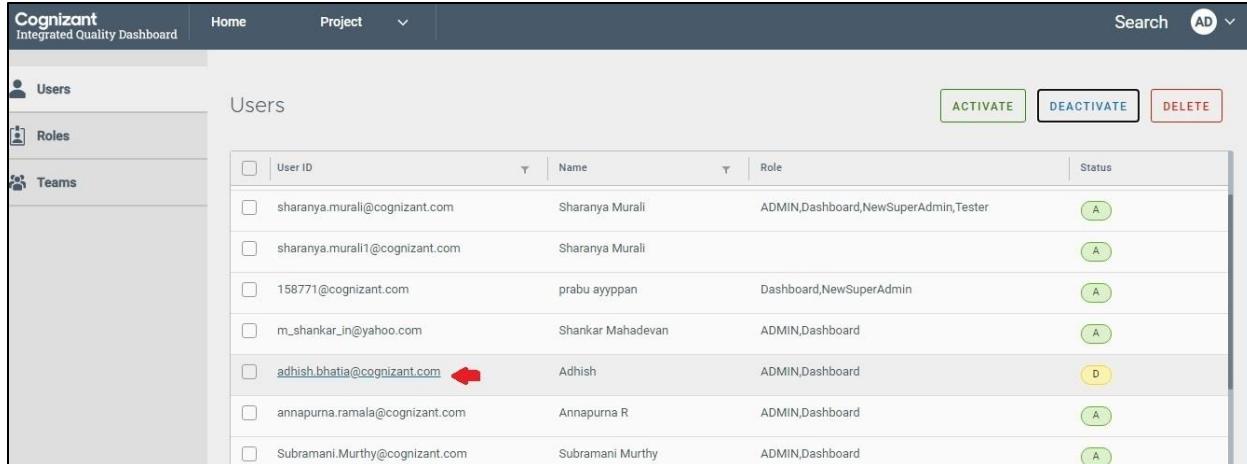


Figure 14: Permissions

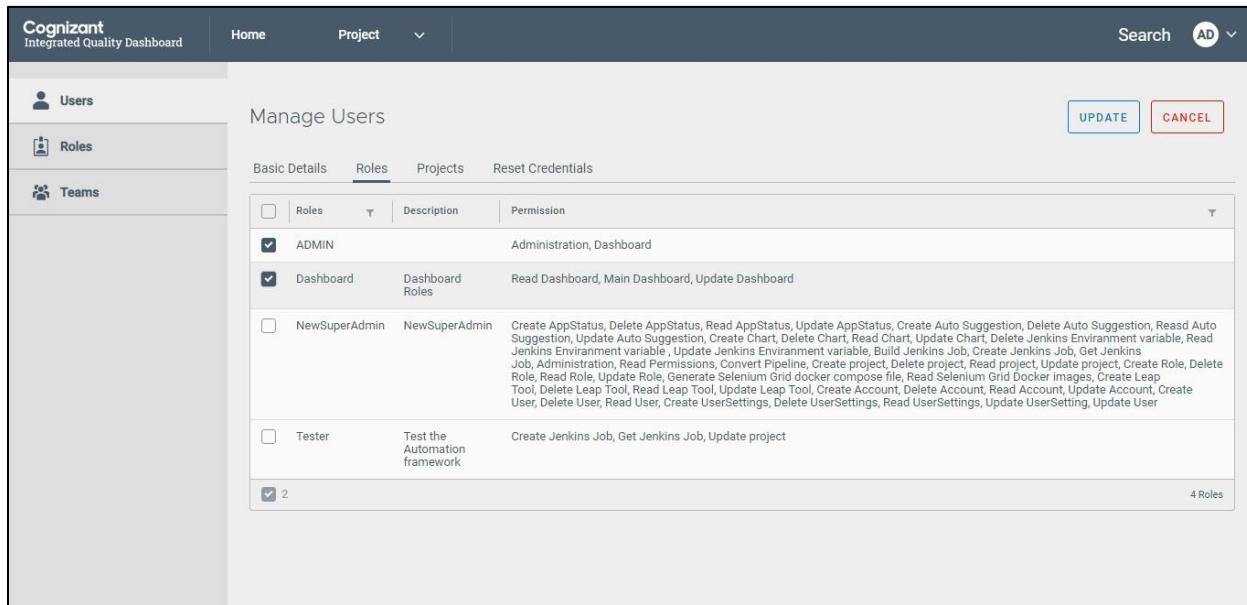
Select the required roles to be linked to the projects.

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User ID	Name	Role	Status
sharanya.murali@cognizant.com	Sharanya Murali	ADMIN,Dashboard,NewSuperAdmin,Tester	A
sharanya.murali1@cognizant.com	Sharanya Murali		A
158771@cognizant.com	prabu ayyappan	Dashboard,NewSuperAdmin	A
m_shankar_in@yahoo.com	Shankar Mahadevan	ADMIN,Dashboard	A
adhis.bhatia@cognizant.com	Adhish	ADMIN,Dashboard	D
annapurna.ramala@cognizant.com	Annapurna R	ADMIN,Dashboard	A
Subramani.Murthy@cognizant.com	Subramani Murthy	ADMIN,Dashboard	A

Figure 15: Roles



Role	Description	Permission
ADMIN	Administration, Dashboard	
Dashboard	Dashboard Roles	Read Dashboard, Main Dashboard, Update Dashboard
NewSuperAdmin	NewSuperAdmin	Create AppStatus, Delete AppStatus, Read AppStatus, Update AppStatus, Create Auto Suggestion, Delete Auto Suggestion, Reaad Auto Suggestion, Update Auto Suggestion, Create Chart, Delete Chart, Read Chart, Update Chart, Delete Jenkins Environment variable, Read Jenkins Environment variable, Update Jenkins Environment variable, Build Jenkins Job, Create Jenkins Job, Get Jenkins Job, Administration, Read Permissions, Convert Pipeline, Create project, Delete project, Read project, Update project, Create Role, Delete Role, Read Role, Update Role, Generate Selenium Grid docker compose file, Read Selenium Grid Docker Images, Create Leap Tool, Delete Leap Tool, Read Leap Tool, Update Leap Tool, Create Account, Delete Account, Read Account, Update Account, Create User, Delete User, Read User, Create UserSettings, Delete UserSettings, Read UserSettings, Update UserSetting, Update User
Tester	Test the Automation framework	Create Jenkins Job, Get Jenkins Job, Update project
2		4 Roles

Figure 16: Manage Users

The user is selected and click **ACTIVATE**. The user activated success pop-up appears.

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User ID	Name	Role	Status
158771@cognizant.com	prabu ayyappan	Dashboard,NewSuperAdmin	A
m_shankar_in@yahoo.com	Shankar Mahadevan	ADMIN,Dashboard	A
adhish.bhatia@cognizant.com	Adhish	ADMIN,Dashboard	A
annapurna.ramala@cognizant.com	Annapurna R	ADMIN,Dashboard	A

ACTIVATE DEACTIVATE DELETE

Activate Windows User/s activated successfully. Go to Settings to activate Windows.

Figure 17: User activated

Select Projects and assign projects to the user and click UPDATE

Project	Platform	Version
Sample		
DemoSampleProject		
testpro		
Dashboard Testing		
NewiDashboard		
Anna_Project		
TestMyDashboard		
TestProject		
ALM_Sep28		
3		

UPDATE CANCEL

Figure 18: Projects

Manage Users

User can access the two available tabs:

- Users
- Roles

4.1. Users

Registered user can view the user details like **User ID, Name, Role and Status**

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In Users Tab, the following functions/operations are available:

- ACTIVATE
- DEACTIVATE
- DELETE

User ID	Name	Role	Status
sharanya.murali@cognizant.com	Sharanya Murali	ADMIN,Dashboard,NewSuperAdmin,Tester	A
sharanya.murali1@cognizant.com	Sharanya Murali		A
158771@cognizant.com	prabu ayyappan	Dashboard,NewSuperAdmin	A
m_shankar_in@yahoo.com	Shankar Mahadevan	ADMIN,Dashboard	A
adhish.bhatia@cognizant.com	Adhish	ADMIN,Dashboard	D
annapurna.ramala@cognizant.com	Annapurna R	ADMIN,Dashboard	A
Subramani.Murthy@cognizant.com	Subramani Murthy	ADMIN,Dashboard	A

Figure 19: Users

4.1.1. Activate the User

In CIQDashboard, two types of status are available: **A** (Activate) and **D** (Deactivate). For newly registered users the status is set to **D**, then Admin can activate the users.

1. The User ID “adXXX@idashboard.com” is a newly registered user with status **D**

User ID	Name	Role	Status
Subramani.Murthy@cognizant.com	Subramani Murthy	ADMIN,Dashboard,NewSuperAdmin,Tester	A
VisualShan@gmail.com	Shankar Tester		A
prabu@cognizant.com	prabu ayyappan	ADMIN	A
admin@idashboard.com	Admin	ADMIN,Dashboard,NewSuperAdmin	A
adXXX@idashboard.com	XYZ		D

Figure 20: Default status

2. Check/uncheck the required users for activation

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User ID	Name	Role	Status
Sudarshan.murari@cognizant.com	Sudarshan murari	ADMIN,Dashboard,NewSuperAdmin,Tester	A
VisualShan@gmail.com	Shankar Tester		D
prabu@cognizant.com	prabu ayyappan	ADMIN	A
admin@idashboard.com	Admin	ADMIN,Dashboard,NewSuperAdmin	A
adxxx@idashboard.com	XYZ		D
1			

Figure 21: Check/uncheck

3. Click **ACTIVATE** to activate required user

✓ User/s activated successfully.

Figure 22: ACTIVATE

If Admin fails to activate the user, the user cannot login the CIQDashboard application. The user can login only if the status of the user is set as **A**.

4.1.2. Deactivate the User

You can deactivate any of the users.

1. Select the User id to deactivate and click **DEACTIVATE**

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The screenshot shows the 'Users' section of the dashboard. On the left sidebar, there are three tabs: 'Users', 'Roles', and 'Teams'. The 'Users' tab is selected. The main area displays a table titled 'Users' with columns: User ID, Name, Role, and Status. The status column uses color-coded circles: green for 'A' (Active), yellow for 'D' (Deactivated), and grey for 'I' (Inactive). One row for 'admin@dashboard.com' is selected, indicated by a checked checkbox and a yellow 'D' status circle. Other rows show 'Shankar Tester' (Status A), 'prabu ayyappan' (Status A), 'XYZ' (Status A), and a summary at the bottom indicating 15 users.

Figure 23: Deactivate

2. Selected user is deactivated and the status turns to D

This screenshot shows the same 'Users' page after an action has been taken. The user 'admin@dashboard.com' is now highlighted with a red box around its row, and its status is shown as yellow with a 'D' (Deactivated). A green success message at the bottom right states 'User/s de-activated successfully. Go to Settings to activate this user.' The table structure remains the same as in Figure 23, with other users ('leap admin', 'XYZ') having green 'A' status circles.

Figure 24: Deactivate

4.1.3. Delete the User

You can delete any of the users.

1. Select the User id for deletion and click **DELETE**

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The screenshot shows the 'Users' section of the dashboard. On the left, there's a sidebar with 'Users', 'Roles', and 'Teams'. The main area has a table titled 'Users' with columns: User ID, Name, Role, and Status. The status column contains green circles with letters 'A' or 'D'. A modal at the top right has buttons for 'ACTIVATE', 'DEACTIVATE', and 'DELETE'. The table shows three users: 'admin@leap.com' (Status A), 'admin@idashboard.com' (Status D), and 'adxxx@idashboard.com' (Status A, selected). A summary at the bottom right says '3 Users'.

Figure 25: Select

2. The delete confirmation pop-up appears. Click **OK** to delete or click **Cancel** to cancel deletion

This screenshot is similar to Figure 25, showing the 'Users' page. However, a delete confirmation dialog box is overlaid in the center. It displays the IP address '10.120.100.231:231' and the message 'Are you sure to delete users?'. There are 'OK' and 'Cancel' buttons. The rest of the interface, including the sidebar and the table below, remains visible.

Figure 26: Delete confirmation

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3. The deleted success pop-up appears

The screenshot shows the 'Users' section of the dashboard. On the left sidebar, there are three tabs: 'Users', 'Roles', and 'Teams'. The 'Users' tab is selected. The main area displays a table with columns: 'User ID', 'Name', 'Role', and 'Status'. There are two rows of data: one for 'admin@leap.com' (leap admin, ADMIN, status A) and one for 'admin@idashboard.com' (Admin, ADMIN, status D). At the top right of the table are three buttons: 'ACTIVATE' (green), 'DEACTIVATE' (light blue), and 'DELETE' (red). A green success message at the bottom right of the screen says 'User/s deleted successfully. Go to Settings to activate Windows.' with a checkmark icon.

Figure 27: Deleted successfully

4.2. Roles

Open Admin Settings and select Roles

The screenshot shows the 'Roles' section of the dashboard. On the left sidebar, the 'Roles' tab is highlighted with a red box. The main area displays a table with columns: 'Roles', 'Description', and 'Permission'. There are four rows of data: 'ADMIN' (Description: Administration), 'ProjectLead' (Description: Create Dashboard, Update Dashboard, View Dashboard, Update Dashboard Project, View Dashboard Project, Create Dashboard Project, Update Dashboard Project, Delete Dashboard Project, View Dashboard Project, Upload external data, Create Dashboard Datasource, Update Dashboard Datasource, Delete Dashboard Datasource, View Dashboard Datasource, Create Dashboard Chart, Update Dashboard Chart, Delete Dashboard Chart, View Dashboard Chart, Create Dashboard Page, Update Dashboard Page, Delete Dashboard Page, View Dashboard Page), 'TeamMember' (Description: Create Dashboard, Update Dashboard, View Dashboard, Update Dashboard Project, View Dashboard Project, Upload external data, Create Dashboard Datasource, Update Dashboard Datasource, View Dashboard Datasource, Create Dashboard Chart, Update Dashboard Chart, Delete Dashboard Chart, View Dashboard Chart, Create Dashboard Page, Update Dashboard Page, View Dashboard Page), and 'Viewer' (Description: View Dashboard, View Dashboard Project, View Dashboard Datasource, View Dashboard Chart, View Dashboard Page). At the top right of the table are three buttons: 'ADD NEW' (green), 'DELETE' (red), and a red arrow icon pointing right.

Figure 28: Roles

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Click **ADD NEW** to create a new role

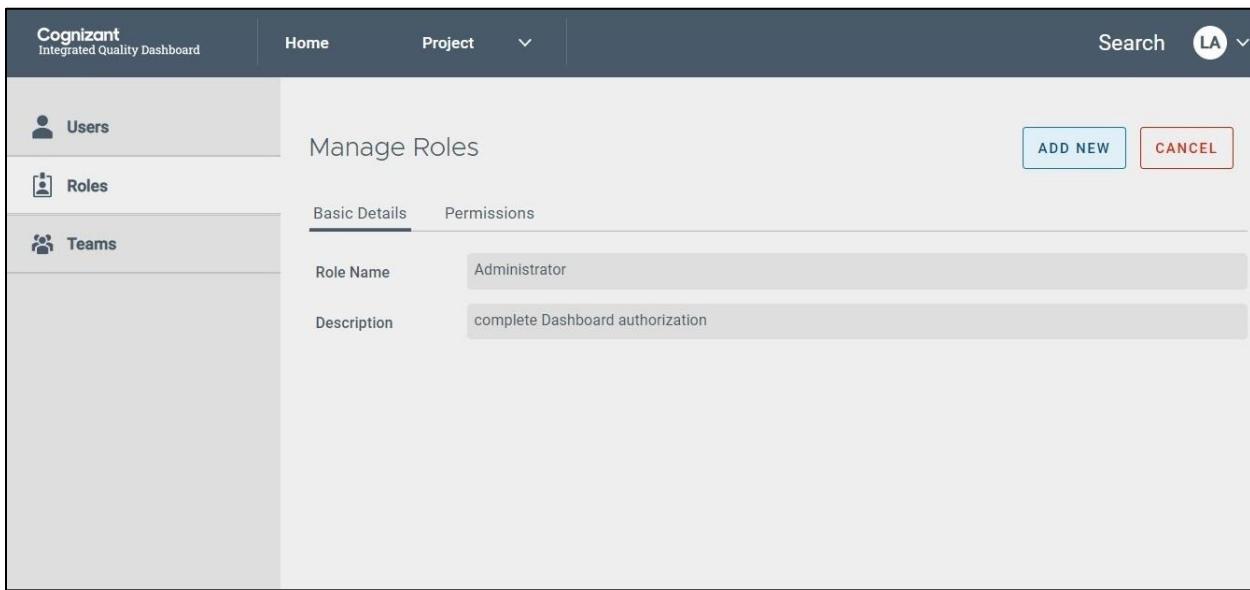


Figure 29: ADD NEW

Click **Permissions** tab and assign required permissions to the user.

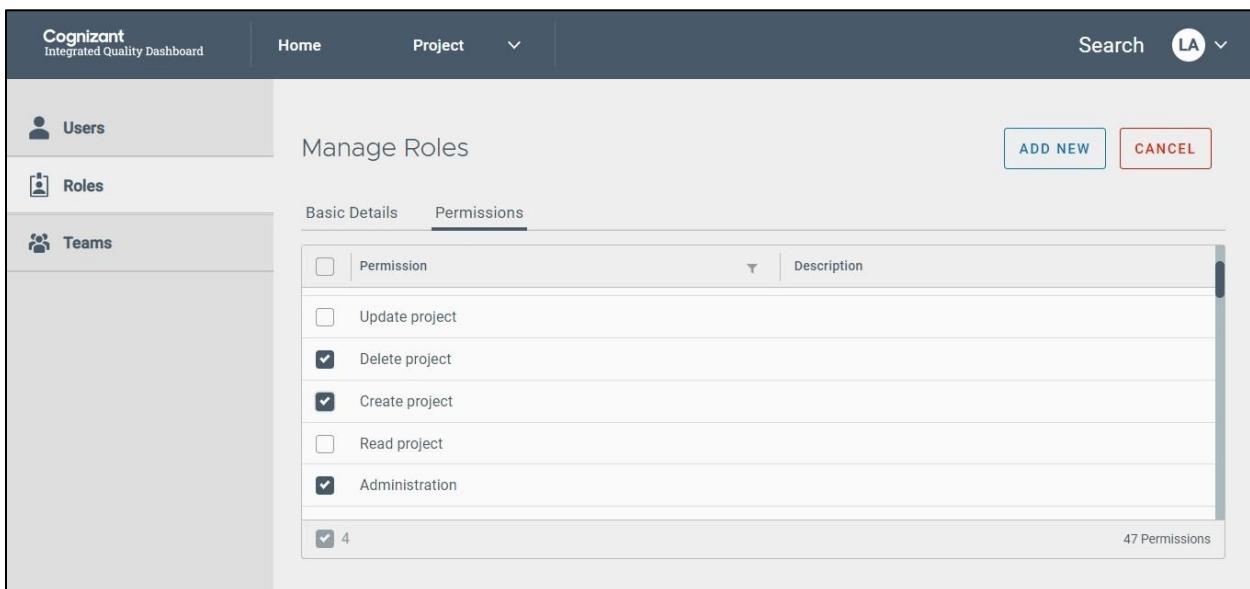


Figure 30: Permissions

4.3. Teams

Open Admin Settings and select Teams

Team	Members	Projects
idashboard	anna@cognizant.com, joyson1@cognizant.com, admin@leap.com, shubha.acharya@cognizant.com, admin@idashboard.com, adhish.bhatia@cognizant.com, annapurna.ramala@cognizant.com, joyson@cognizant.com	testcolor, Helleworld, testinglock
Mars	158771@cognizant.com, prabu@cognizant.com, monk@cognizant.com	testcolor, testdash, Helleworld, testinglock, lockissue

Figure 31: Teams

Click **ADD NEW** to create a new team. In **Basic Details** tab, provide the name and description of the team.

Click **Members** tab, check/uncheck required users and click **UPDATE**. The selected users are added to the respective team.

Member	Email
leap	admin@leap.com
Annapurna	annapurna.ramala@cognizant.com
Shubha	shubha.acharya@cognizant.com
Prabu	158771@cognizant.com
Prabu	prabu@cognizant.com
Prabu	monk@cognizant.com
anna	anna@cognizant.com
karuna	team.leap.compute@gmail.com
fname	fname@cognizant.com

Figure 32: Members

4.4. Edit the User Details

You can view/update user **Basic Details**, **Roles** and **Projects** on clicking the respective User Id and in **Manage Users**

The screenshot shows the 'Manage Users' page. On the left sidebar, there are three tabs: 'Users' (selected), 'Roles', and 'Teams'. The main area has a title 'Manage Users' with 'Basic Details' selected. Below it are four input fields: 'Email Id' (admin@idashboard.com), 'First Name' (Admin), 'Last Name' (Idashboard), and 'Organisation' (Cognizant). At the top right are 'UPDATE' and 'CANCEL' buttons.

Figure 33: Manage Users

If you update/edit any of the details for user, click **Update** to save changes or click **Cancel** to revert the changes

The screenshot shows the 'Manage Users' page with the 'Roles' tab selected. It displays a table with columns: Roles, Description, and Permission. The table contains one row for 'ADMIN' with a description of 'Administration' and a permission level of '1 Roles'. There are checkboxes next to each column header and the row data.

Roles	Description	Permission
<input checked="" type="checkbox"/> ADMIN	Administration	1 Roles

Figure 34: Update/Cancel

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In **Roles** tab, you can change/switch roles of users. After selecting the required roles, click **UPDATE** to save changes or click **CANCEL** to revert the changes.

The screenshot shows the 'Manage Users' page with the 'Projects' tab selected. A list of projects is shown in a table:

Project	Platform	Version
Sample		
DemoSampleProject		
testpro		
Dashboard Testing		
NewiDashboard		
Anne_Project		
3		

At the bottom right, there is a message: 'Activate Windows' and 'Go to Settings to activate Windows.' with a note '13 Projects'.

Figure 35: Changes

You can switch/change projects for users. After selecting the required project, click **UPDATE** to save changes or click **CANCEL** to revert the changes

4.5. Admin Settings

Click **Admin Setting**, the **Users** page appears. From this menu, you can activate/deactivate/delete the users and handle user information

The screenshot shows the 'Users' page. A list of users is shown in a table:

User ID	Name	Role	Status
150771@cognizant.com	prabu ayyappan	Dashboard,viewSuperAdmin	A
m_shankar_in@yahoo.com	Shankar Mahadevan	ADMIN,Dashboard	A
adish.bhatia@cognizant.com	Admin	ADMIN,Dashboard	D
annapurna.ramala@cognizant.com	Annapurna R	ADMIN,Dashboard	A
Subramani.Murthy@cognizant.com	Subramani Murthy	ADMIN,Dashboard	A
1			

At the bottom right, there is a note '13 Users'.

Figure 36: Users

4.6. Manage Projects

The section provides information on creating a new project and deleting an existing project.

4.6.1. Create new project

1. In **Project**, click **New Project** to create a new project.

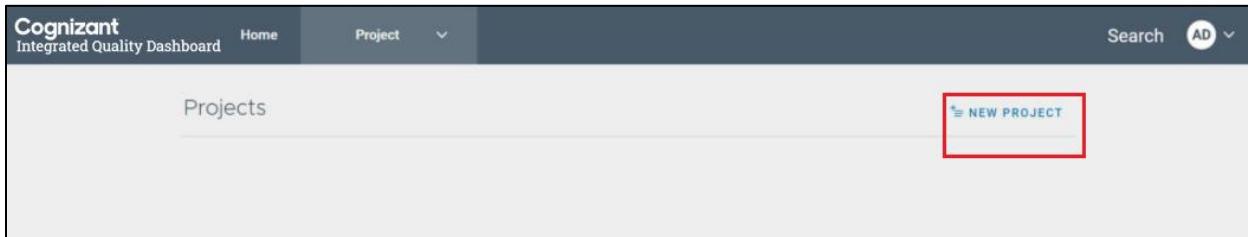


Figure 37: NEW PROJECT

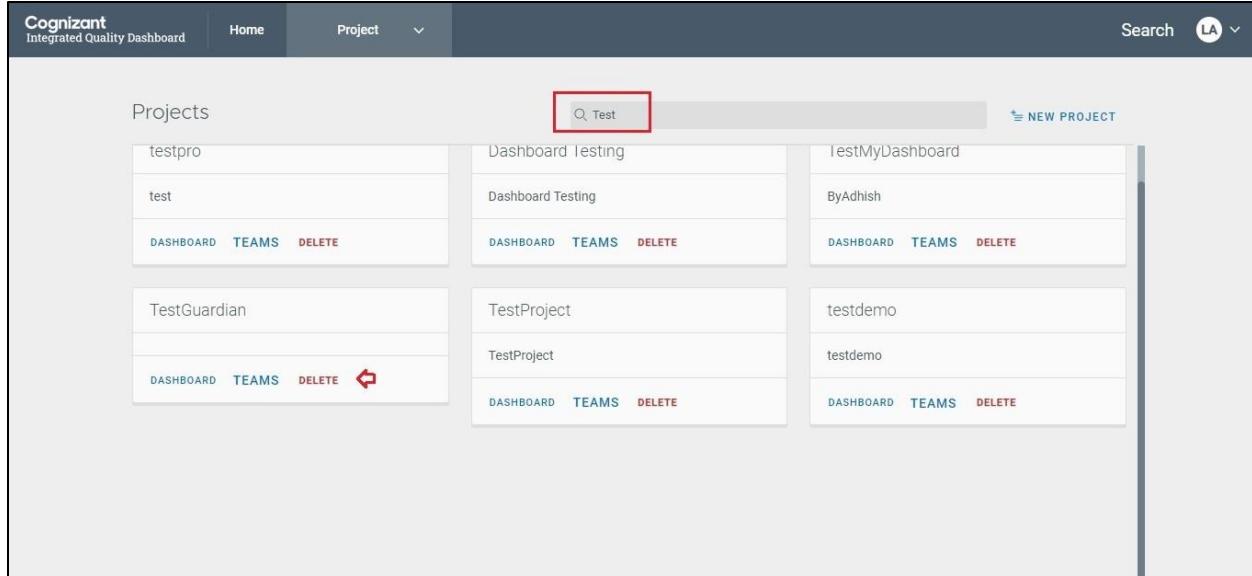
2. The **Create Project** page appears. In **Name**, provide a name for the project.

Figure 38: CREATE

3. In **Description**, provide a description about the project and click **CREATE**. A new project is created successfully

4.6.2. Delete an Existing Project

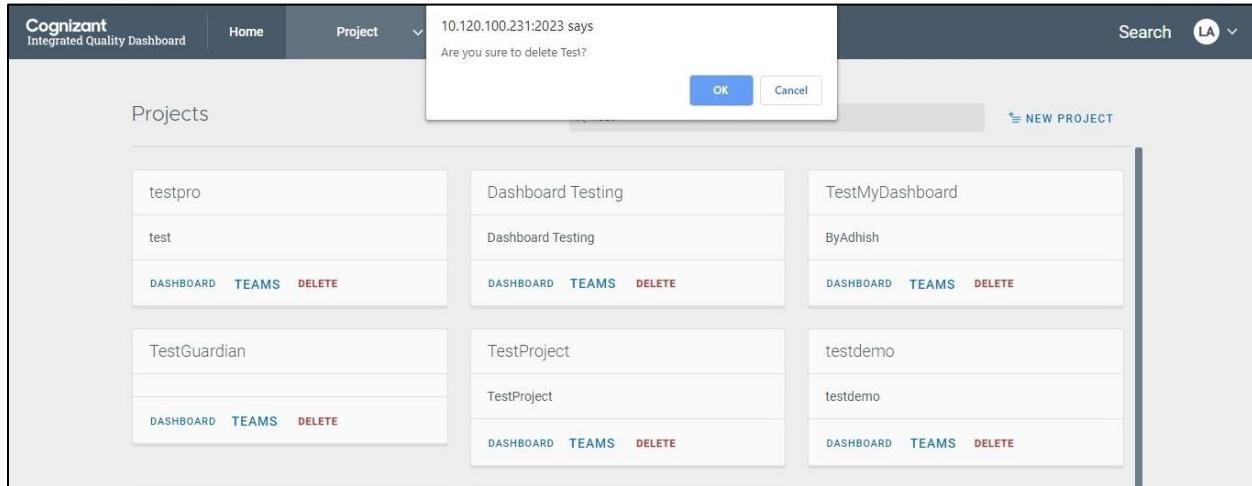
1. Search the required project for deletion and click **DELETE**. The delete confirmation pop-up appears



The screenshot shows the 'Projects' section of the dashboard. A search bar at the top right contains the text 'Test'. Below the search bar, there is a grid of project cards. The fourth project card from the top-left, titled 'TestGuardian', has its 'DELETE' button highlighted with a red box. The card for 'TestGuardian' also features a red box around its 'DELETE' button.

Figure 39: DELETE

2. Click **OK** to delete or click **Cancel** to cancel the deletion



The screenshot shows a delete confirmation dialog box in the center of the screen. The dialog box contains the message '10.120.100.231:2023 says Are you sure to delete Test?'. It has two buttons: 'OK' and 'Cancel'. The background shows the same Projects page as Figure 39, with the 'TestGuardian' project card still visible.

Figure 40: Delete Confirmation

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3. The selected project is deleted and deletion success pop-up appears

The screenshot shows the Cognizant Integrated Quality Dashboard interface. At the top, there's a navigation bar with the Cognizant logo, 'Home', 'Project ▾', and a user icon. Below the navigation is a search bar labeled 'search project' and a 'NEW PROJECT' button. The main area is titled 'Projects' and contains a grid of project cards. The cards include:

- Cache Test (with 'DASHBOARDS', 'TEAMS', and 'DELETE' buttons)
- vulnerabilities (with 'DASHBOARDS', 'TEAMS', and 'DELETE' buttons)
- Open Source CiqDashboard (with 'DASHBOARDS', 'TEAMS', and 'DELETE' buttons)
- After change the name of the Product (with 'DASHBOARDS', 'TEAMS', and 'DELETE' buttons)
- New Dashboard (with 'DASHBOARDS', 'TEAMS', and 'DELETE' buttons)
- Global Filter Test (with 'DASHBOARDS', 'TEAMS', and 'DELETE' buttons)
- USSA (with 'DASHBOARDS', 'TEAMS', and 'DELETE' buttons)
- ALM Metrics
- Gitlab

A green success message box is overlaid on the bottom right, containing a checkmark icon and the text "project deleted successfully". At the very bottom of the page, there's a copyright notice: "© 2021 Cognizant® CIQDashboard. All rights reserved. Cognizant Confidential and/or Trade Secret. Click [here](#) for Cognizant's Privacy Statement | Build # 3.1.0".

Figure 41: Delete success pop-up

5. Dashboard

This chapter provides detailed information on dashboard and items available.

5.1. Create new Dashboard

1. Create a new project. Refer [Create new project](#) for more details
2. Click **DASHBOARD** for the required project to create a new dashboard.

The screenshot shows the Cognizant Integrated Quality Dashboard interface. At the top, there is a navigation bar with the Cognizant logo, 'Home', 'Project' (with a dropdown arrow), 'Search', and a user icon. Below the navigation bar, the main area is titled 'Projects'. A search bar labeled 'search project' is present. On the right side, there is a button labeled '+ NEW PROJECT'. The main content area displays a grid of project cards:

Project Name	Description	Actions
Sample	This is a sample project	DASHBOARDS TEAMS DELETE
DemoSampleProject	DemoSampleProject	DASHBOARDS TEAMS DELETE
testpro	test	DASHBOARDS TEAMS DELETE
Dashboard Testing	NewiDashboard	DASHBOARDS TEAMS DELETE
Dashboard Testing	This is a new one	DASHBOARDS TEAMS DELETE
Anna_Project		DASHBOARDS TEAMS DELETE

A vertical scroll bar is visible on the right side of the grid. A watermark for 'Activate Windows' is visible at the bottom right of the dashboard area.

Figure 42: DASHBOARD

3. In the left pane, you can choose any suitable item from the various items available. Hover over each item to know its details.

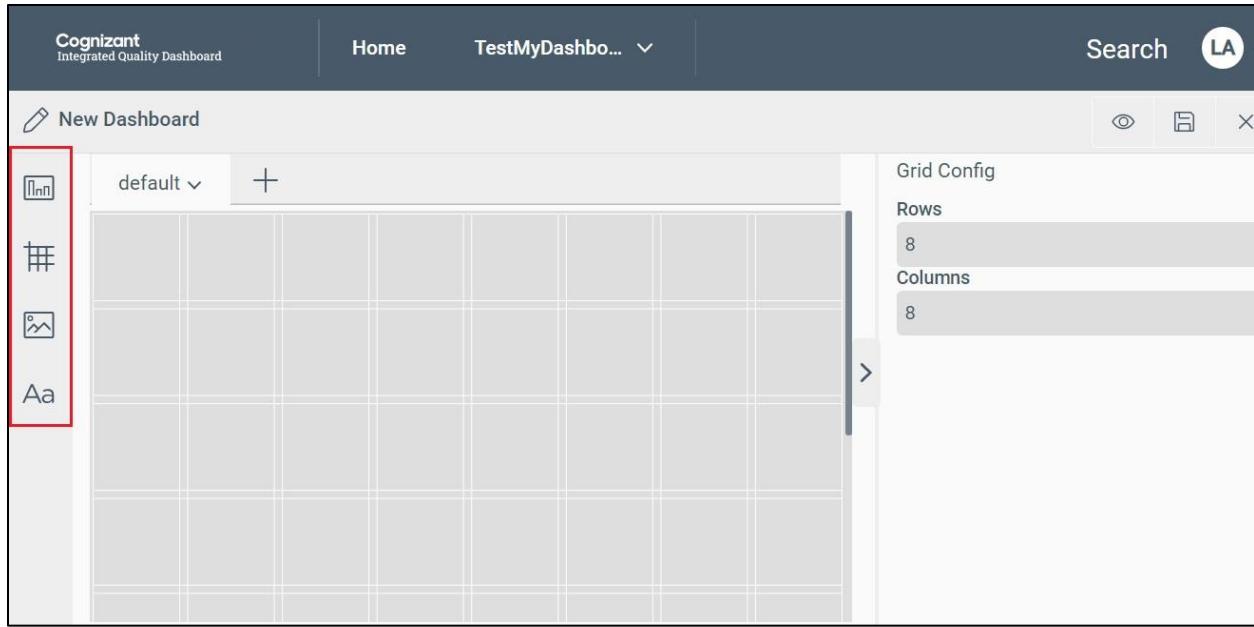


Figure 43: Items

4. Drag and drop an item into the grid and position it anywhere across the grid. You can resize and adjust the item as required to occupy rows and columns

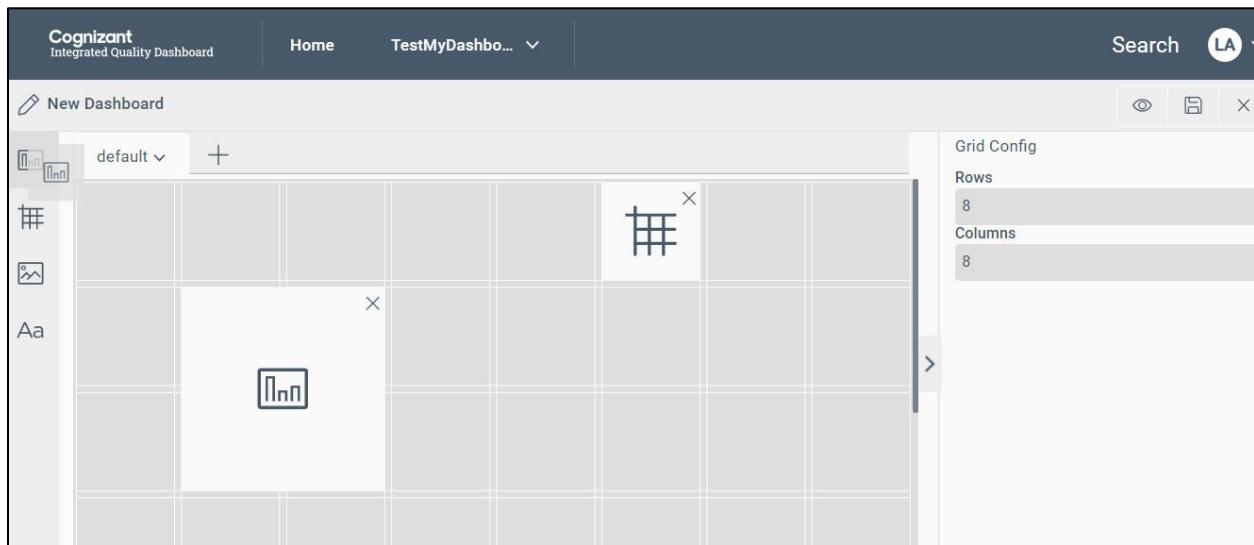


Figure 44: Resize

5.1.1. Create new chart item

1. Select from the left menu
2. Drag and drop the item into the grid window

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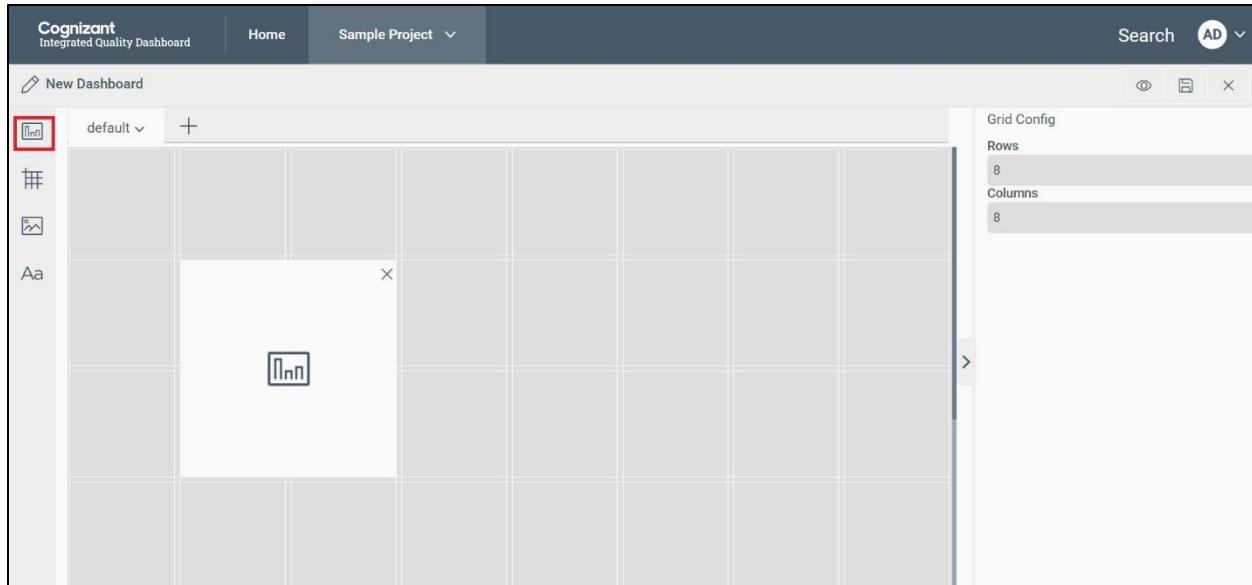


Figure 45: Chart

3. Click the item and the **Charts** tab appears on the right sidebar

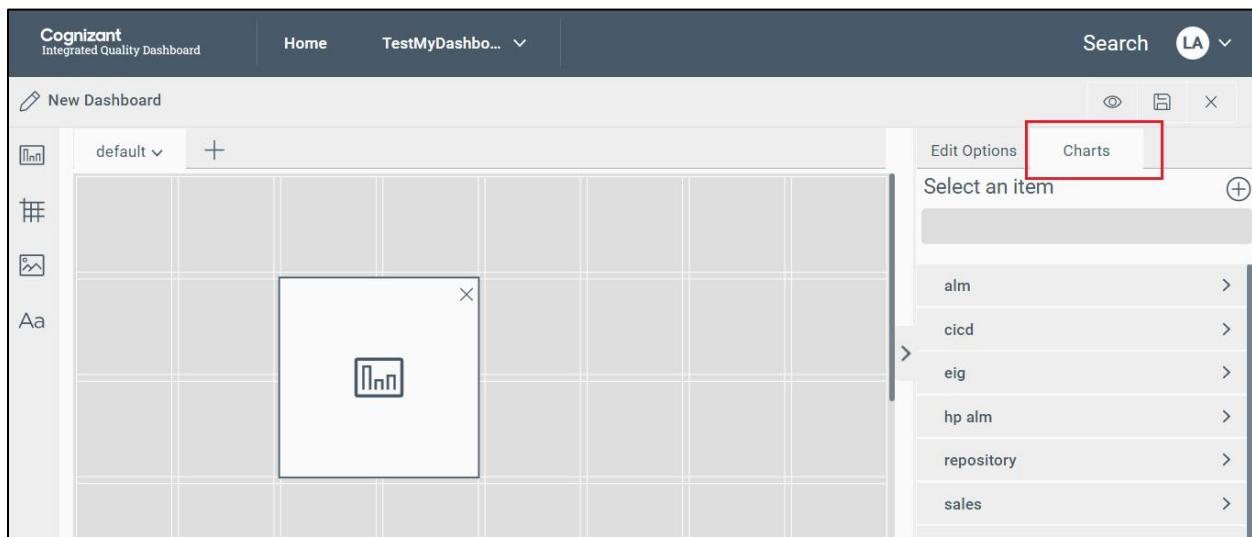


Figure 46: Charts tab

4. Click to create a new chart item

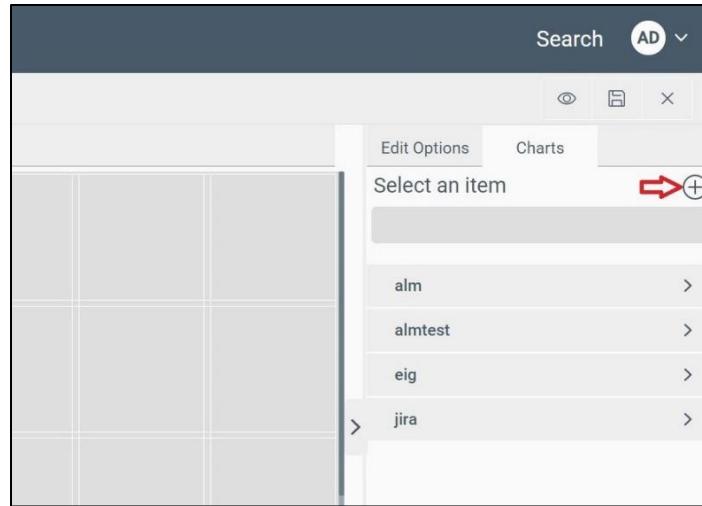


Figure 47: Add

5. Search for the data source and select an appropriate data source from the available list. If data source is not available, you can add the data source. For more information, refer [Data Source](#).

A screenshot of the Cognizant Integrated Quality Dashboard showing the 'Data Source' search results. The search bar at the top contains the text 'ALM'. Below the search bar, the results are categorized into sections: 'ALM', 'ALM_TEST', and 'ALMTEST'. Under 'ALM', there are two items: 'ALM_Defect_latest' and 'ALM_runs'. Under 'ALM_TEST', there is one item: 'ALM_test'. Each item has a small thumbnail icon on the left and edit/delete icons on the right.

Figure 48: Search data source

6. Select an appropriate Chart Type

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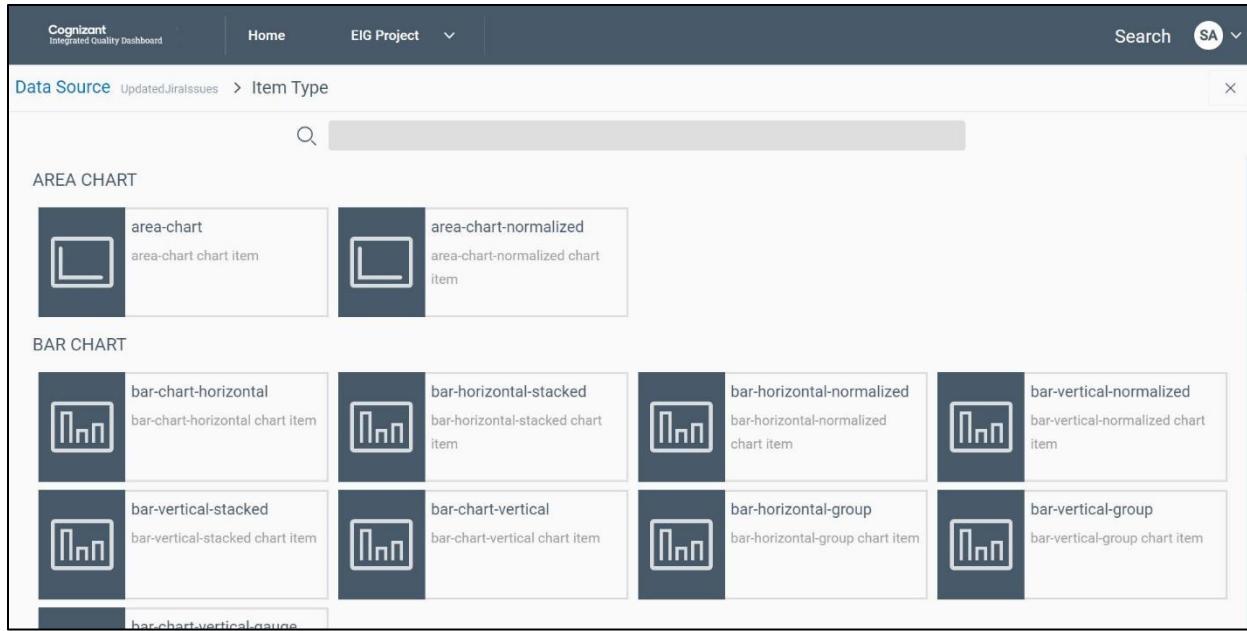


Figure 49: Chart Type

7. Enter a proper chart name and description

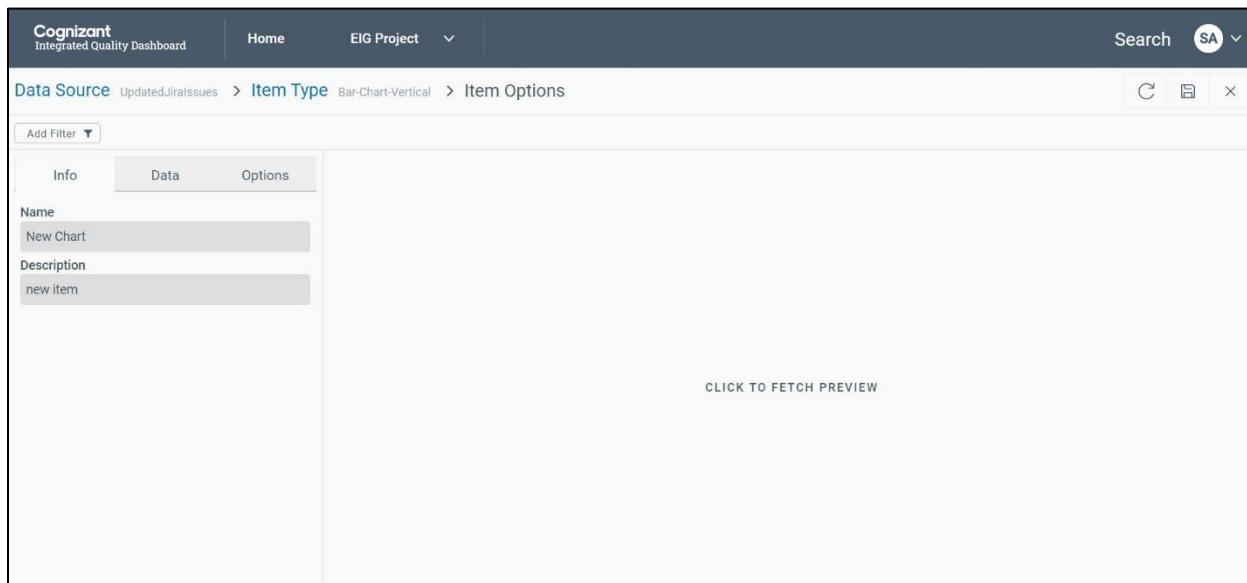


Figure 50: Chart name and description

 Providing appropriate chart name is important to identify chart from list of available charts. If chart name is not provided, it is saved as New Chart by default.

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8. In **Data** tab select group by fields and x axis from options available. Group by is used to collect all identical data and form a group. You can choose the X axis, while Y axis shows its corresponding count

The screenshot shows the 'Data' tab configuration in the Cognizant Integrated Quality Dashboard. The 'Info' tab is selected. Under 'GroupBy', there is a 'Group *' section with a placeholder box. Below it is an 'X Axis *' section with a placeholder box and a 'Remove' button. A red arrow points to the 'Add Filter' button at the top left of the configuration area. To the right, there is a 'CLICK TO FETCH PREVIEW' button.

Figure 51: Data

9. You can apply filters by adding filters. Multiple filters can be applied based on suitable **AND** or **OR** condition. Click **Add Filter** to apply filter. For more details, refer [Filter and Aggregate](#)

The screenshot shows the 'Add Filter' dialog box. The 'Field' dropdown contains 'sprintName'. The 'Operator' dropdown is open, showing various options like 'equals', 'ne', 'in', etc., with 'contains' highlighted. The 'Label' input field contains 'myFilter'. The 'Operator' dropdown for the label is open, showing 'AND', 'OR', and 'NOT', with 'AND' highlighted. At the bottom are 'Add' and 'Reset' buttons. A red box highlights the 'Add Filter' button in the main configuration area above the dialog. A red arrow points to the 'Add' button in the dialog. To the right, there is a 'CLICK TO FETCH PREVIEW' button.

Figure 52: Add Filter

10. In **Options** tab, you can check/uncheck all the available options required for your chart
11. Click **CLICK TO FETCH PREVIEW** on the screen

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The screenshot shows the 'Item Options' configuration page for a 'Bar-Chart-Vertical' chart type. The 'Info' tab is selected, displaying fields such as 'title' (set to 'defects_severity'), 'colors' (hex codes), and various chart configuration options like 'xAxis', 'yAxis', and 'legend'. On the right, the 'Options' tab is visible. A red box highlights the 'CLICK TO FETCH PREVIEW' button.

Figure 53: CLICK TO FETCH PREVIEW

12. The graph is displayed. Click to save the chart and display it on the main page of the grid

The screenshot shows the saved Bar-Chart-Vertical chart for 'defect_severity'. The chart displays severity levels from 'unknown' to 'High' with corresponding bar heights. A red box highlights the 'Save' icon in the top right corner of the chart area.

Figure 54: Save

13. Click to preview the dashboard and click to save the dashboard.

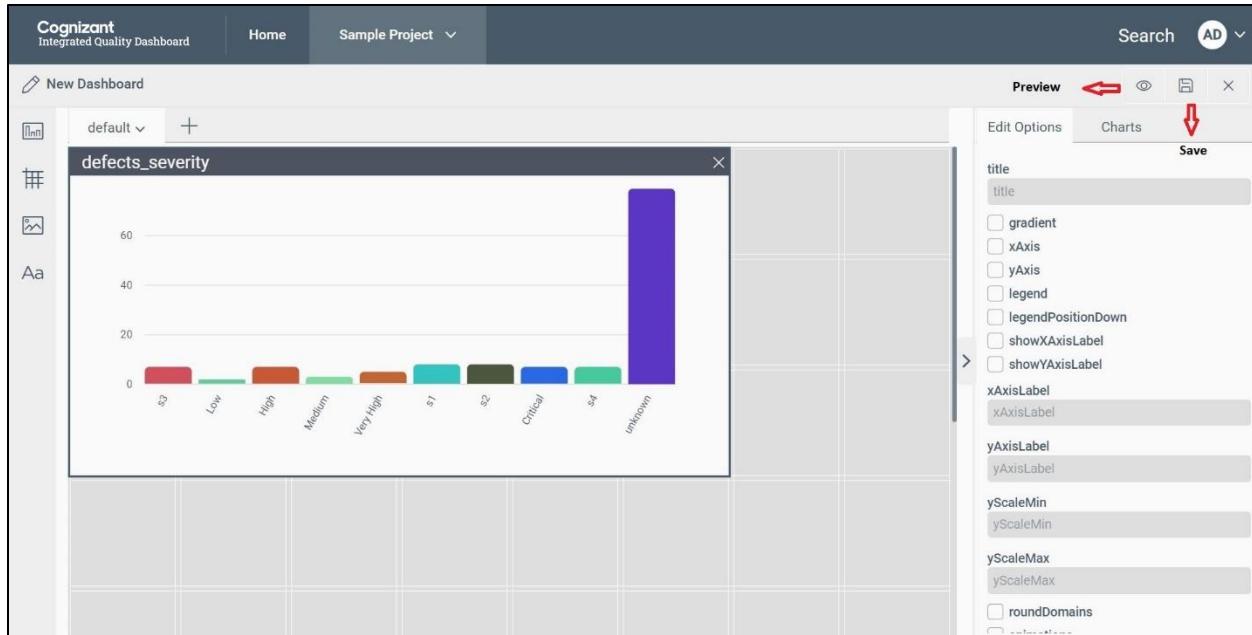


Figure 55: Preview

5.1.2. Create new table item

1. Select from left menu. Drag and Drop the item into the grid window
2. Click to add create new table item
3. Select the data source for creating the table. If no data source is available create a new Data Source (Refer Data Source)
4. Provide appropriate name and description to the table
5. In **Data** tab, select the required fields for the table. You can add/remove new columns
6. Click **CLICK TO FETCH PREVIEW** on screen
7. Check/Uncheck required options and click to reload the preview
8. Click to save and display the table in the grid

5.1.3. Create new label item

1. From left pane, drag and drop into the grid window

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Figure 56: Label

2. Click to create a new label
3. Provide text for the label item name and item description
4. Click **CLICK TO FETCH PREVIEW** on the screen

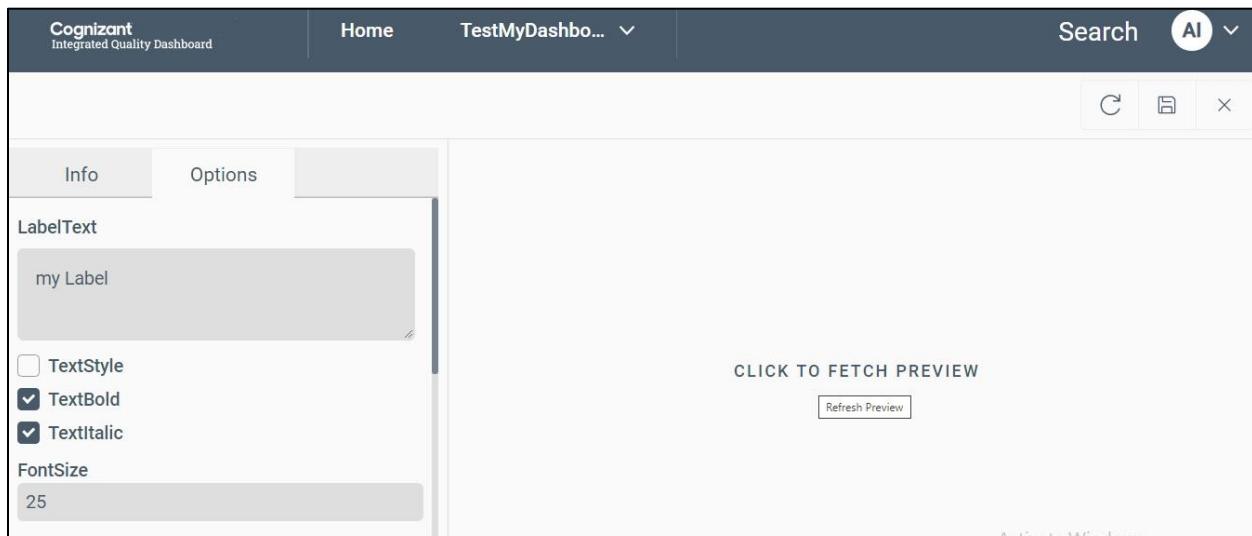


Figure 57: Preview

5. Check/Uncheck required options and click to reload the preview
6. Click to view the label on the dashboard grid window

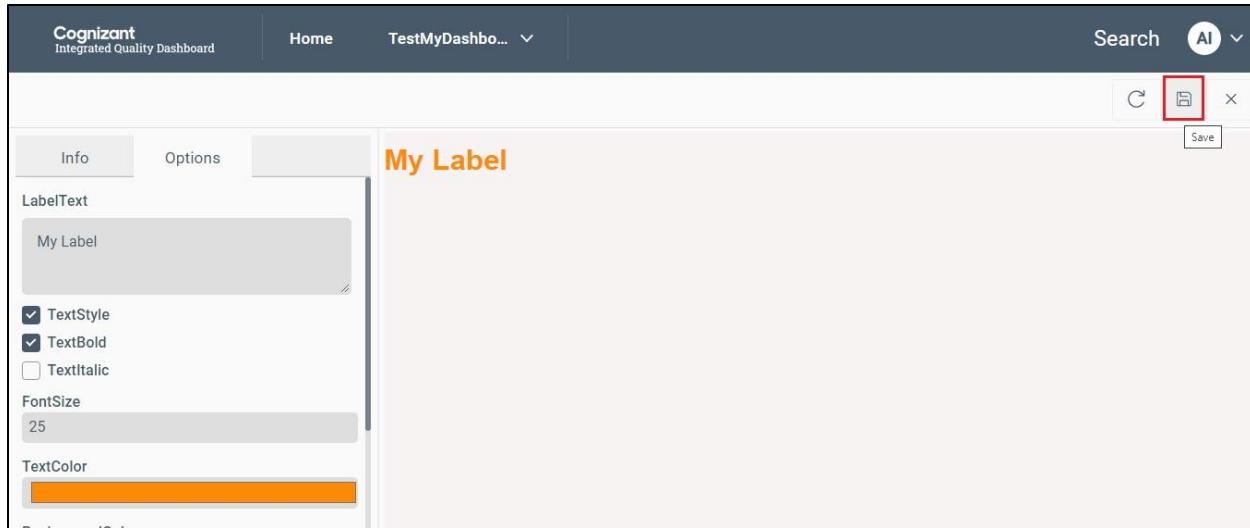


Figure 58: Save

5.1.4. Create new image/logo

1. Select from left pane. Drag and drop it into the grid window

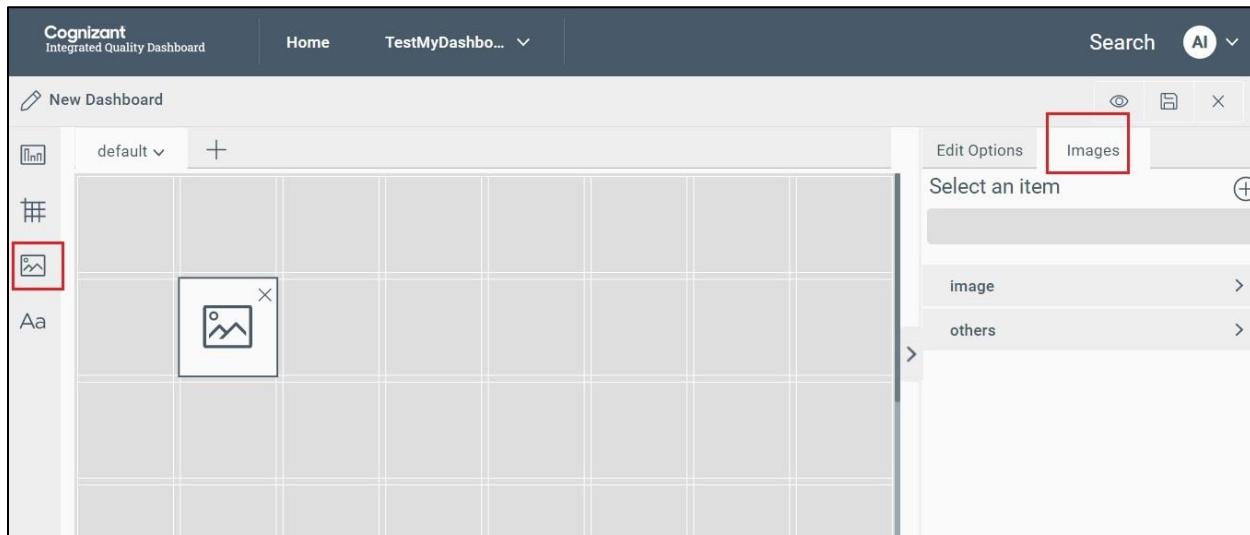


Figure 59: Image

2. Click to create a new image
3. Browse Image file (.PNG) from your local computer.



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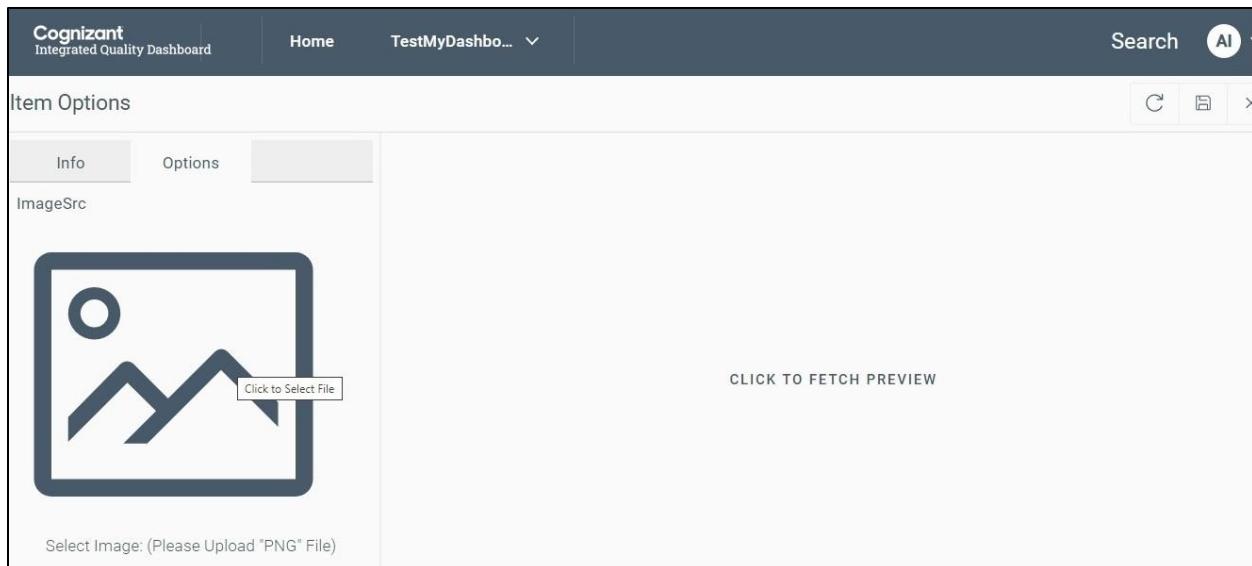


Figure 60: Image

4. Click **CLICK TO FETCH PREVIEW** on the screen
5. Click to see the image on the dashboard grid window

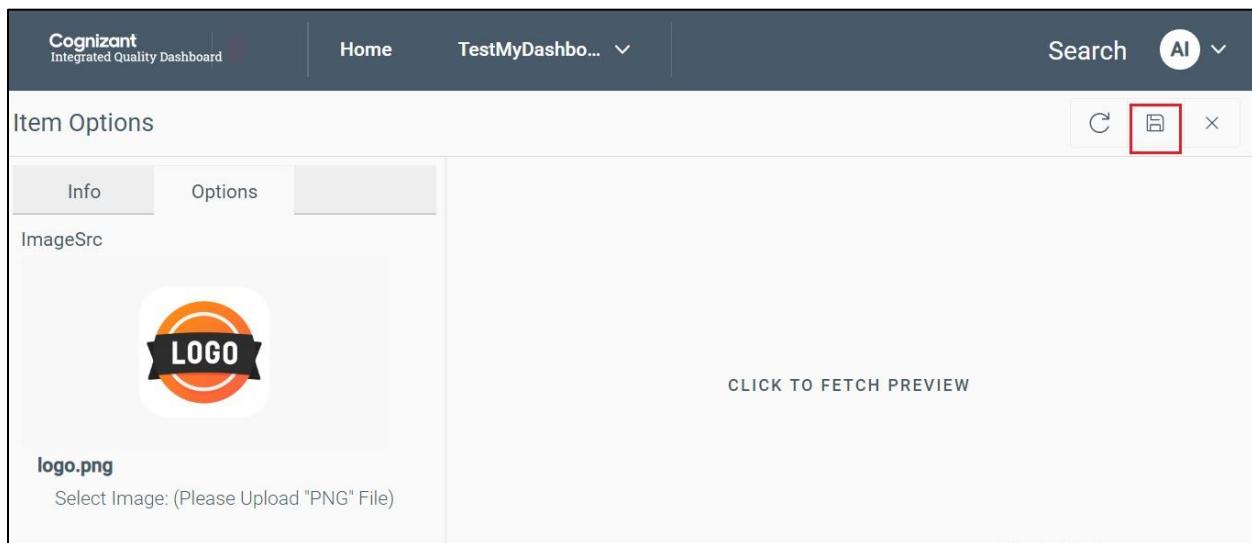


Figure 61: Save image

5.1.5. Rename Dashboard

1. While creating a new dashboard or renaming an existing dashboard, navigate to the grid window
2. Double click on the dashboard name as highlighted
3. Rename the dashboard and click to save the new name

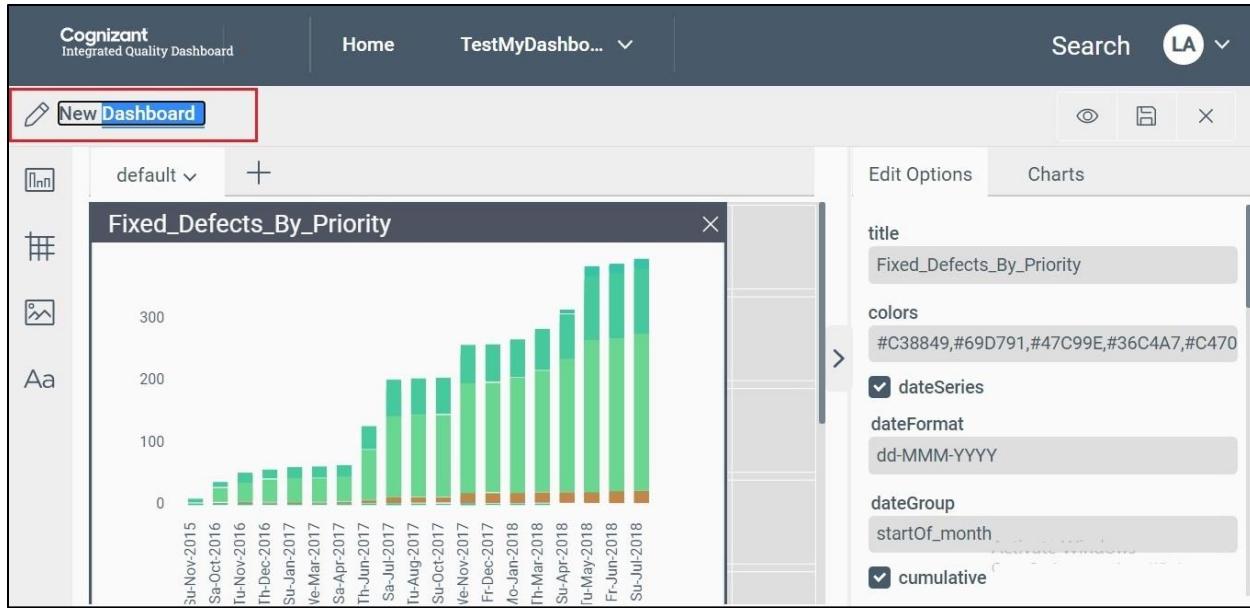


Figure 62: Rename

5.1.6. Delete Dashboard

1. Go to project and select the required dashboard for deletion
2. Click to delete the dashboard. A deleted success pop-up appears

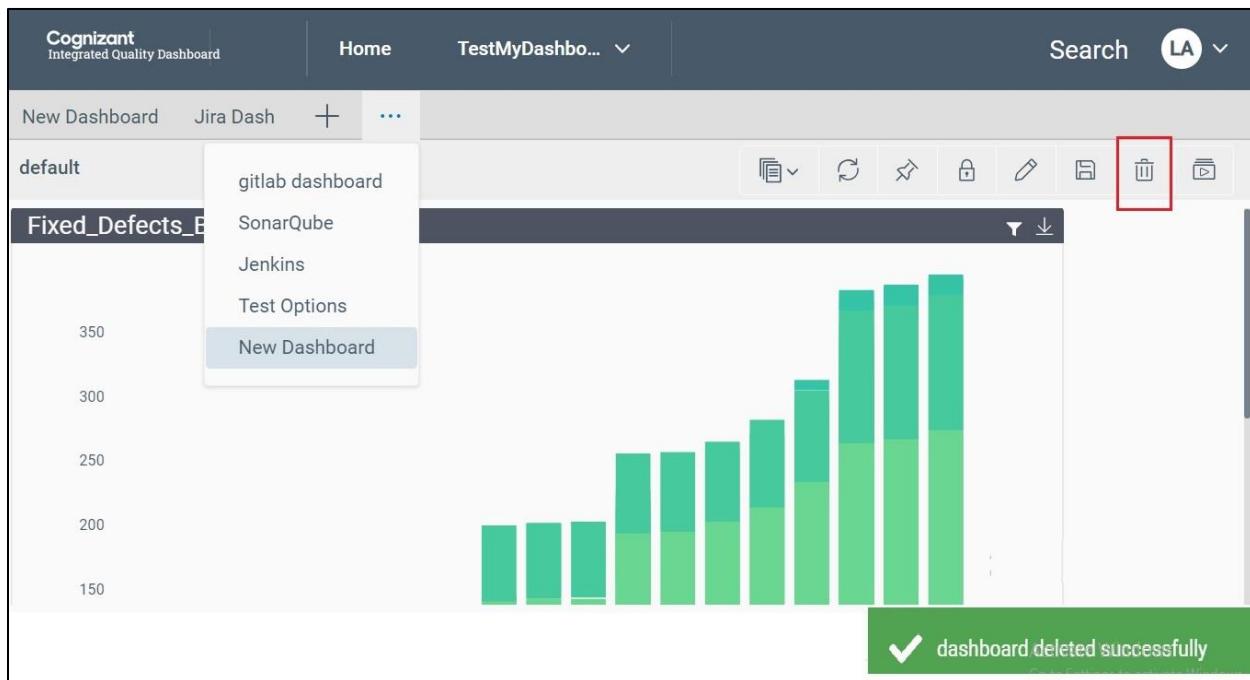


Figure 63: Delete

5.1.7. Edit Dashboard

1. Go to the dashboard that requires edit

2. Click  to edit this page of dashboard
3. Select the chart that requires edit. You can perform the following edits:
 - Edit the options. User can check/uncheck the selected options
 - Edit chart items to modify information or data
 - Resize and reposition the items
 - Remove chart item
4. Click  to preview the dashboard
5. Click  to save the dashboard

5.1.8. Edit Item options

Select an item and check/uncheck options on the go

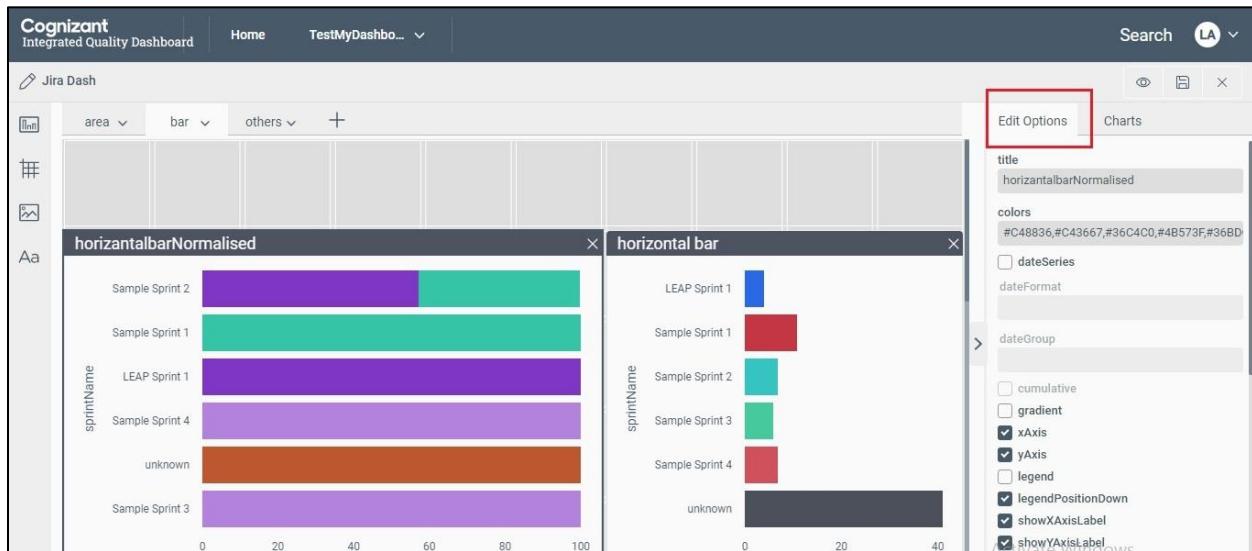


Figure 64: Edit Options

5.1.9. Edit Chart Item

Select an item that requires edit and switch to **Charts** tab. Expand the Data Source that the chart belongs to or search the chart name. Click  to edit the chart.

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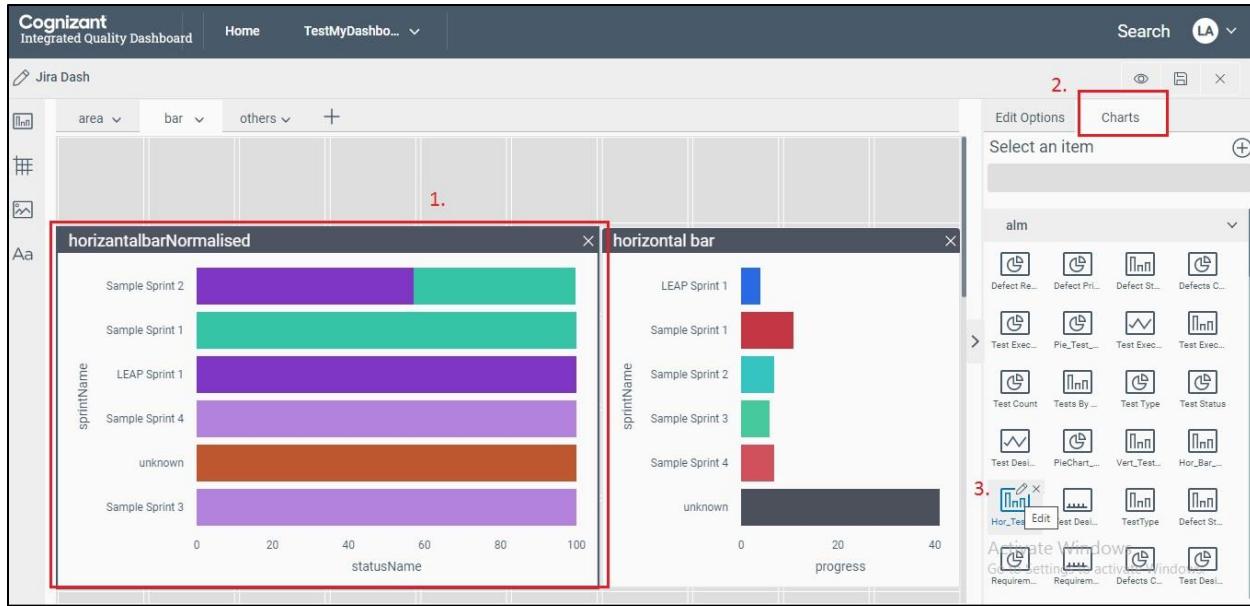


Figure 65: Edit chart item

5.1.10. Resize/Position Item

You can resize or adjust the position of the selected chart item.

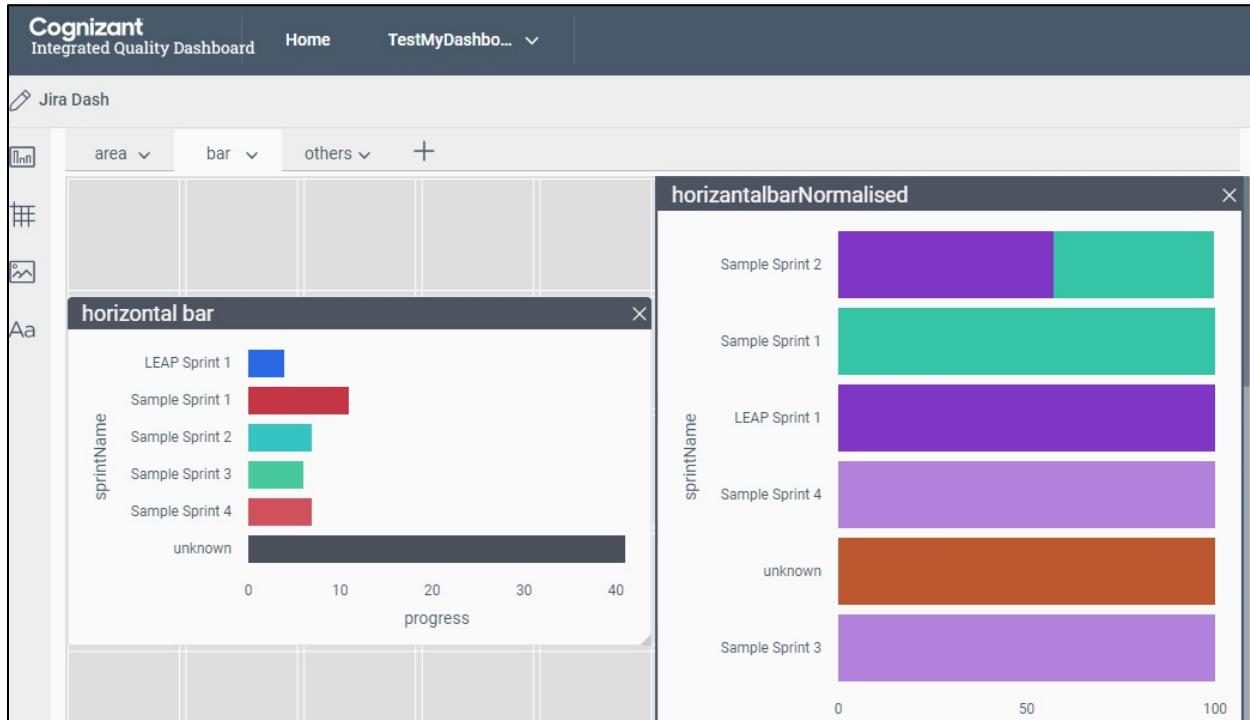


Figure 66: Resize

5.1.11. Remove Item

Click on the required chart item to remove.

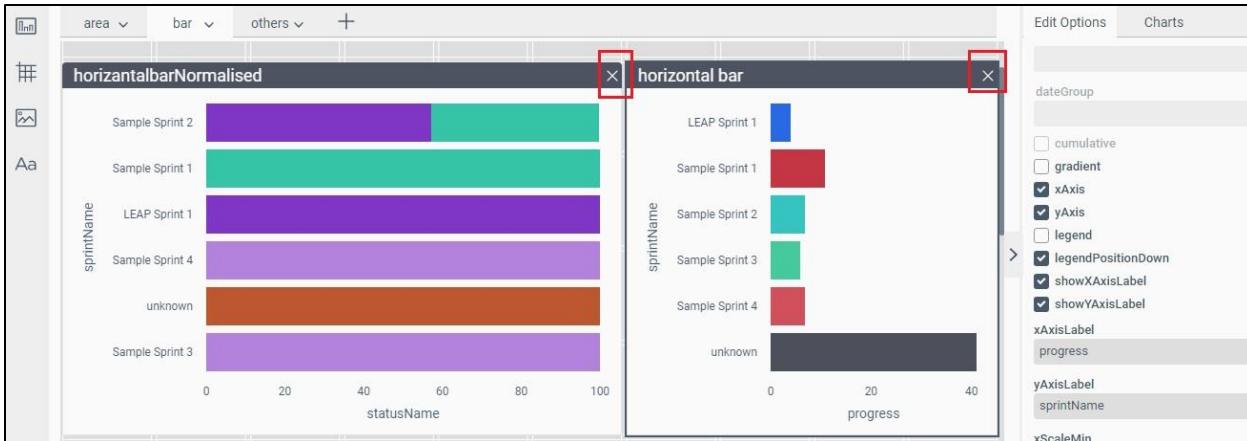


Figure 67: Remove

5.2. Refresh

If the available items are edited, click  to refresh the Dashboard. The changes are reflected on the dashboard.

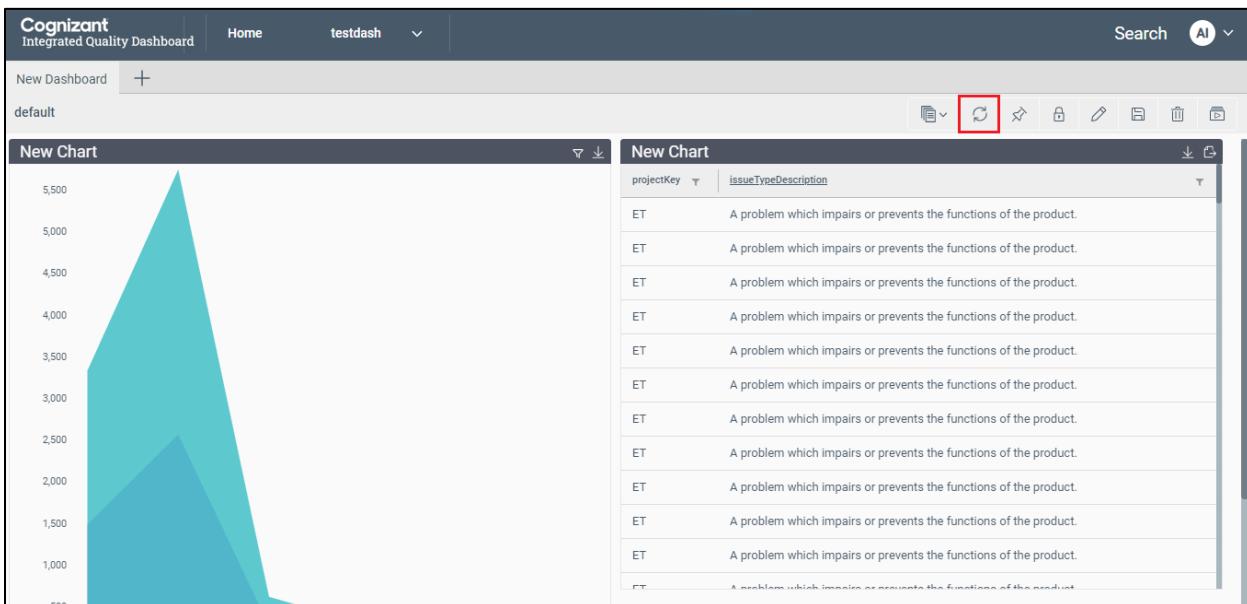


Figure 68: Refresh

5.3. View Slide Show

You can view the dashboard as a slide show.

1. Select the required dashboard
 2. Select the page that you require to view
 3. Click  to start the presenter view

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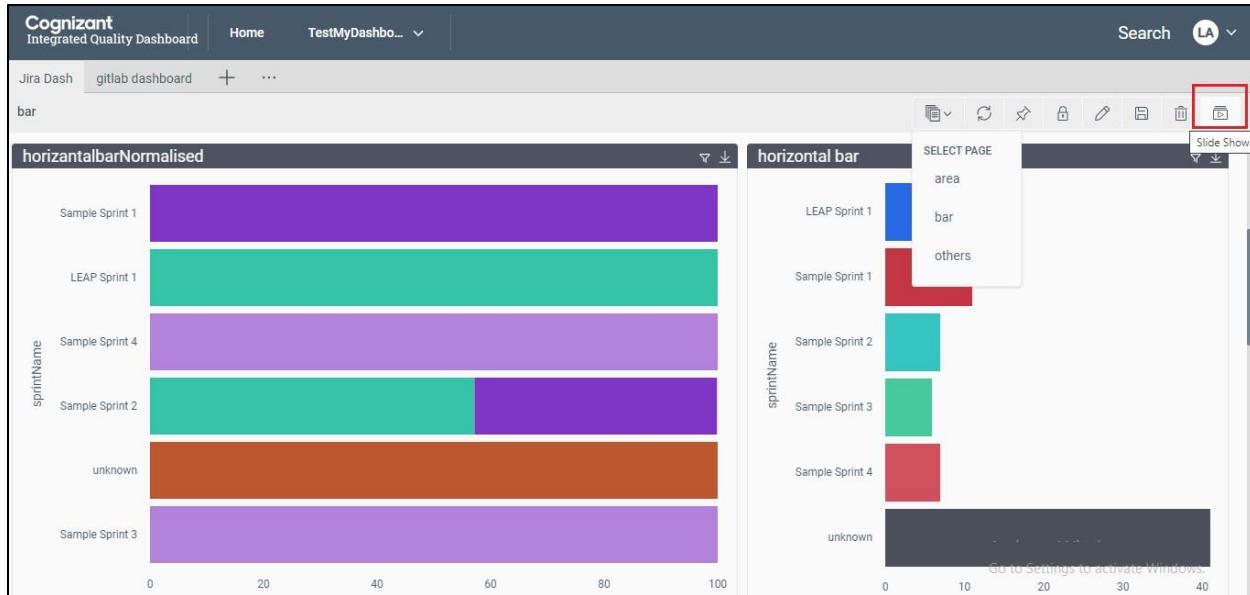


Figure 69: Slide Show

Use arrow keys to view next/previous slides

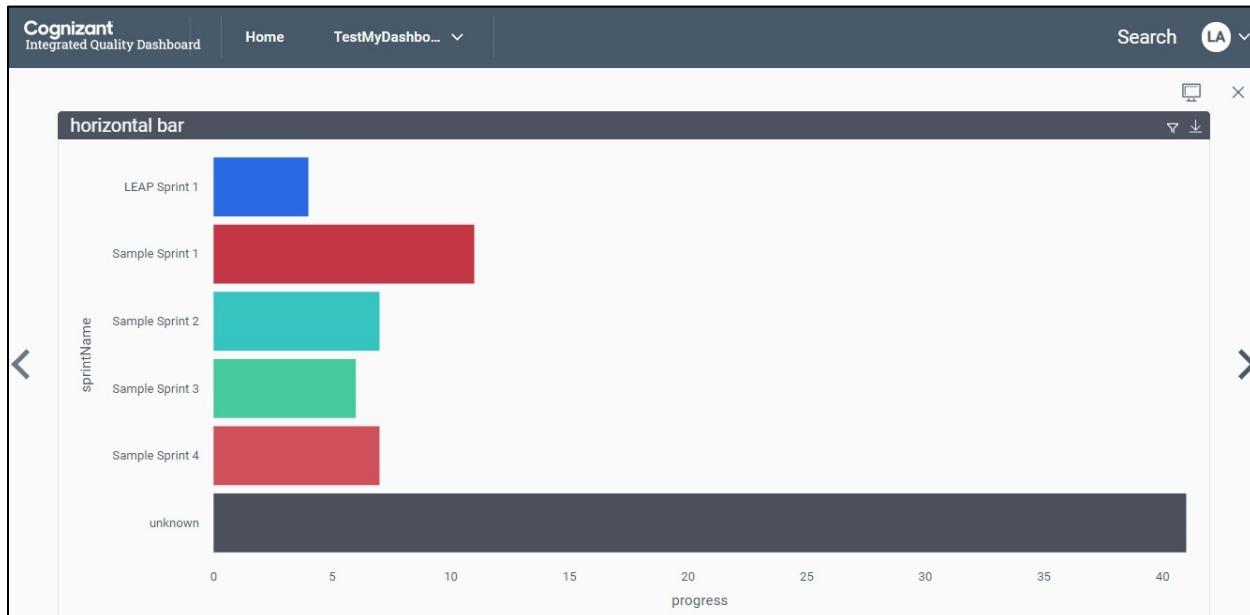


Figure 70: Slide Show mode

Click for full screen mode. To export the chart, click .The chart is downloaded as a .PNG file.

5.4. Lock/Unlock Dashboard

Click  to lock the dashboard. This prevents other users from editing and viewing your dashboard.

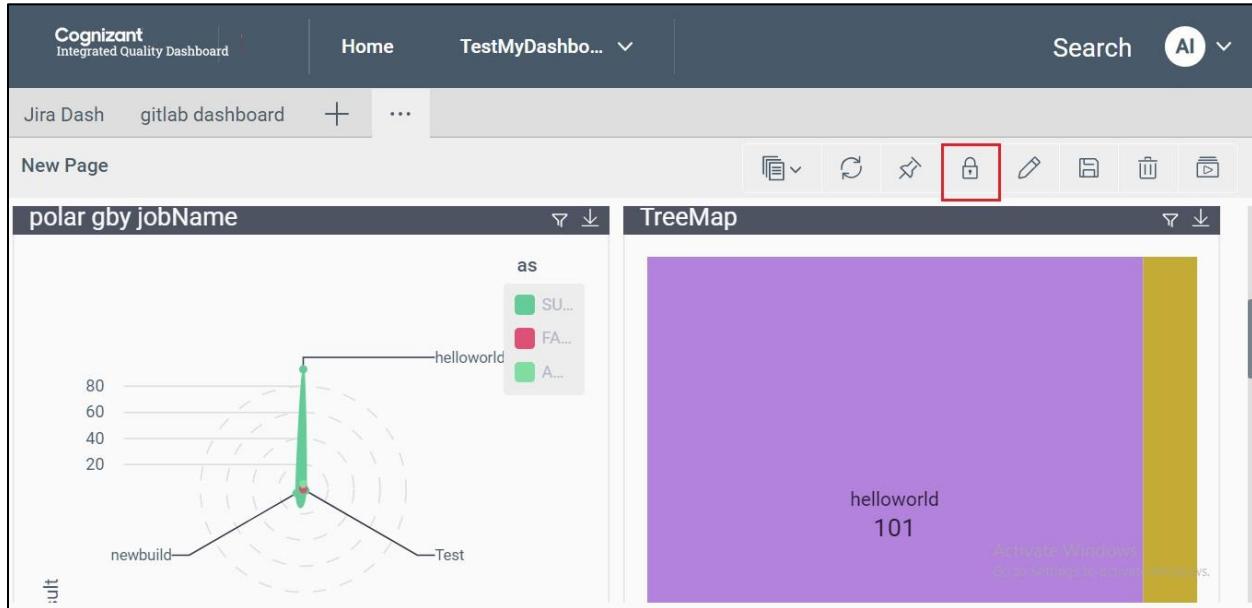


Figure 71: Lock

Click  to unlock the dashboard

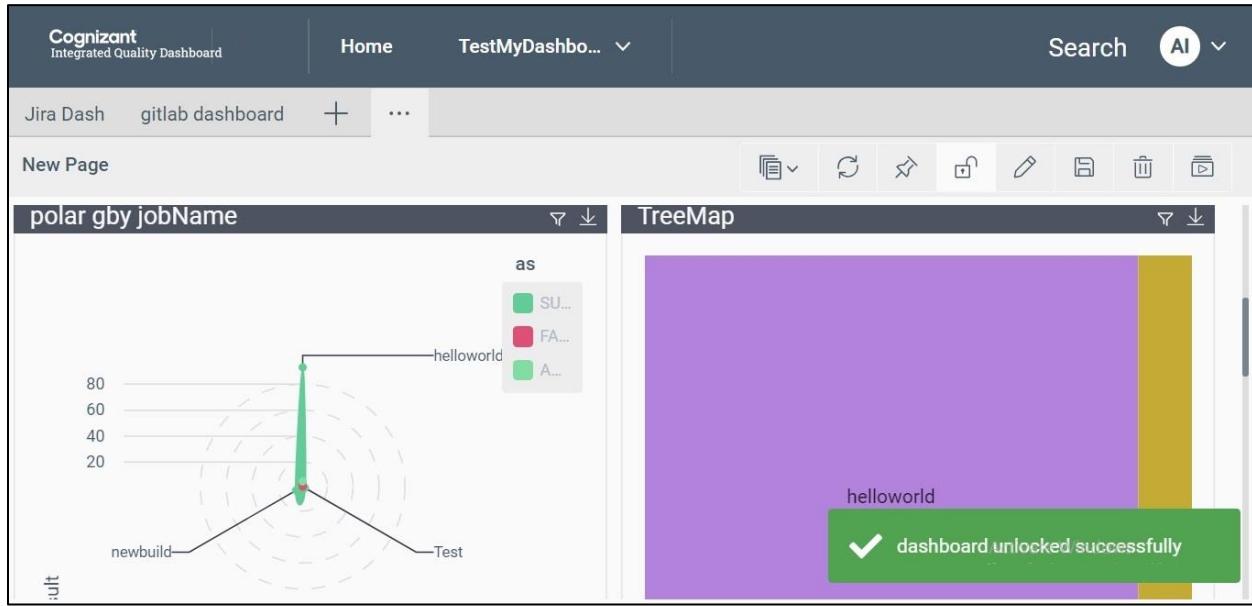


Figure 72: Unlocked

6. Data Source

Data Source is pictorial representation collections data used to create charts

6.1. Add new data source

1. Select a project. Create a new dashboard or edit an existing dashboard
2. Navigate to the dashboard grid window
3. User can create new data source for chart and table items only. Drag and Drop an item and click  to navigate to Data Source page

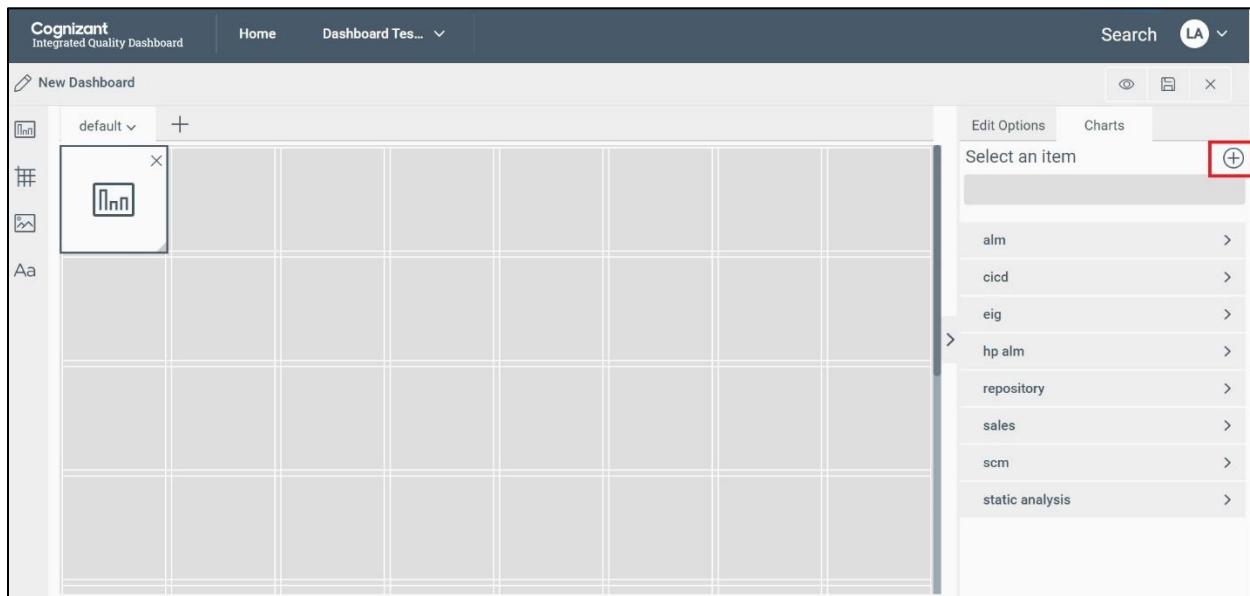


Figure 73: Add

4. Click  to create a new Data source as shown below

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The screenshot shows the 'Data Source' section of the dashboard. It lists various data sources categorized under 'ALM' and 'ALM TEST'. Each source is represented by a thumbnail icon and a name. In the top right corner of the search bar, there is a red arrow pointing to the '+' button, which is used to add new data sources.

Category	Name	Description
ALM	jira	jira
	ALM_req	ALM
	ALM_Defects	ALM
	ALM_Test	ALM
	ALM_Runs	ALM
	Jira_New	ALM
ALM TEST	ALM_Defects1	ALM
	ALM_Runs1	ALM

Figure 74: add

5. The Add New Data Source page appears

The screenshot shows the 'Add New Data Source' dialog box. It contains fields for 'Name', 'Group', 'CollectionName', 'Description', and 'ToolName'. There is also a 'Select Image' field with a placeholder 'Please Upload "PNG" File' and a preview icon. At the bottom, there are 'CREATE...' and 'CANCEL...' buttons.

Field	Description
Name	Input field for the data source name
Group	Input field for the group
CollectionName	Input field for the collection name
Description	Input field for the description
ToolName	Input field for the tool name

Figure 75: Add New Data Source

6. Fill the required information

Field Name	Description
Name	Data Source Name
Group	New Data source added into group
CollectionName	Collection Name to add to the Data Source
Description	Description of the Data Source

Field Name	Description
ToolName	Name of the Tool (Example: Gitlab, Jenkins etc...)

After the **CollectionName Selected**, it displays all fields.

An Option provided here (_), A Note given below in the end of the Dialog. In the label textbox add _ in front of the field name (_message), this skips the field in the new data source.

(Append _ to Rename Custom Field in order to skip the field as input for metrics)

Add image for the Data source

1. Select image in **Add New Data Source**, the windows file browser opens. Browse and select the required image to upload for the new data source

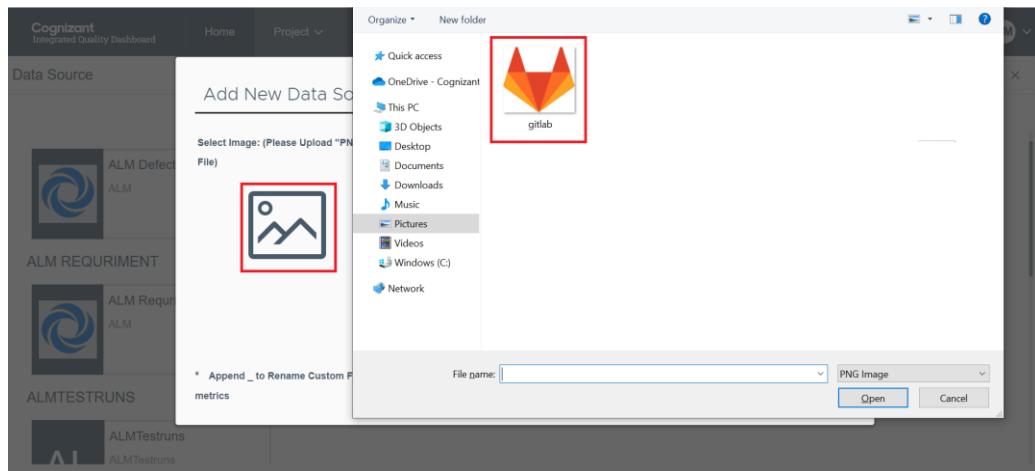


Figure 76: Select image

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2. Click **CREATE** to create a new data source

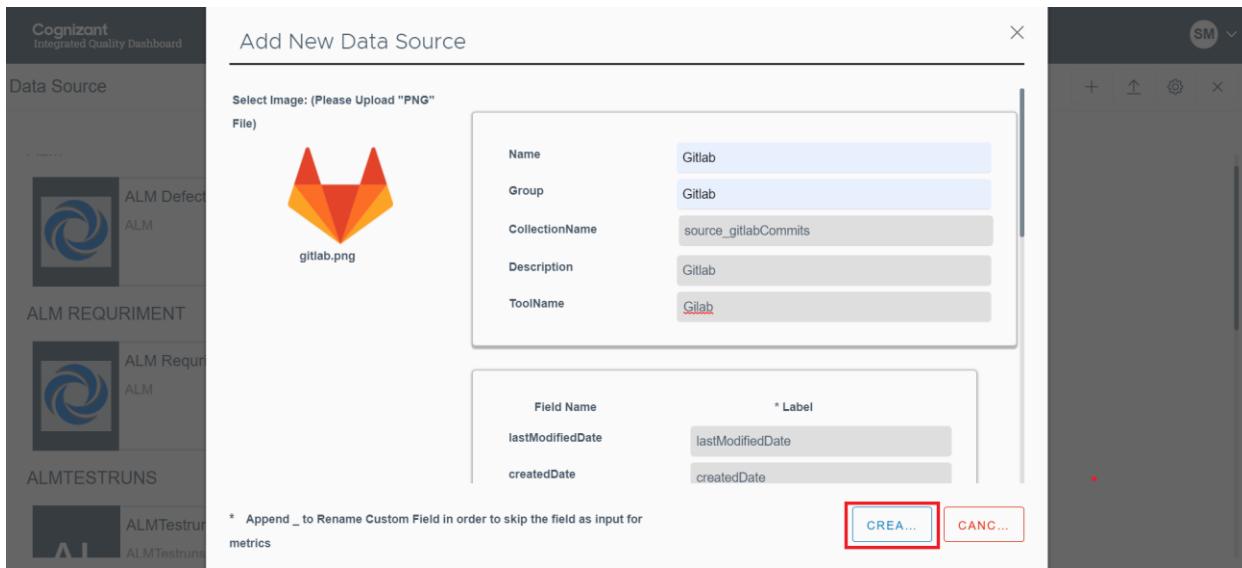


Figure 77: Create

3. The new data source is added to the group as shown below

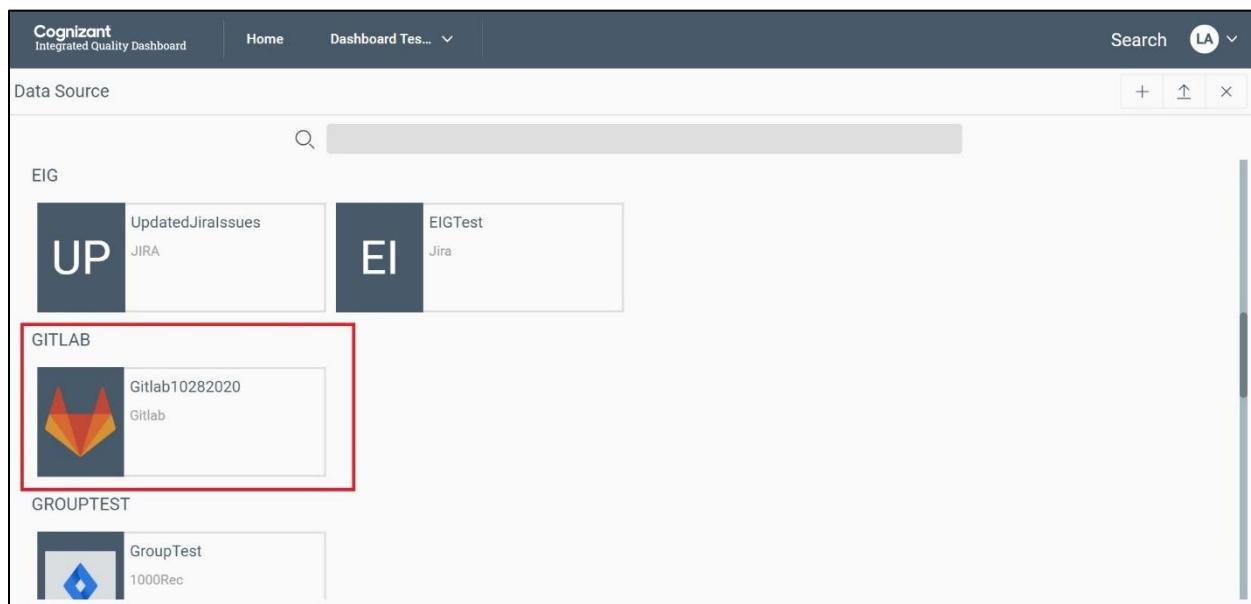


Figure 78: New data source

6.2. Edit Data Source

Hover the cursor on the required data source. The edit icon appears. Click to edit the data source.

The **Edit Data Source** page appears

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The screenshot shows the 'Edit' page of the Cognizant Integrated Quality Dashboard. At the top, there's a navigation bar with 'Home' and 'Dashboard Tes...'. On the right, there are search and filter icons. Below the header, the title 'Data Source' is followed by 'Gitlab10282020'. A search bar is present above a list of data sources. The list includes:

- GITLAB**: Shows a thumbnail of a fox logo, the name 'Gitlab10282020', and the group 'Gitlab'. To the right of the thumbnail are edit and delete icons, with 'Edit DataSource' highlighted.
- GROUPTEST**: Shows a thumbnail of a diamond logo, the name 'GroupTest', and the count '1000Rec'.

Figure 79: Edit

In **Edit Data Source** page, you can edit the available details and click **UPDATE** to save the changes

The screenshot shows the 'Edit Data Source' dialog box. On the left, a sidebar lists 'Data Source' categories: ALMTestruns, GITLAB, and JIRA. The 'GITLAB' category is selected, showing a thumbnail of a fox logo, the name 'Gitlab', and the group 'Gitlab'. In the main area, the title 'Edit Data Source' is at the top. Below it, there's a section to 'Select Image: (Please Upload "PNG" File)' with a preview of 'gitlab.png'. The form fields are as follows:

Name	Gitlab
Group	Gitlab
CollectionName	source_gitlabCommits
Description	Description
ToolName	Gitlab

Below the form, there's a section for custom fields:

Field Name	* Label
lastModifiedDate	lastModifiedDate
createdDate	createdDate

At the bottom, a note says: '* Append _ to Rename Custom Field in order to skip the field as input for metrics'. There are 'UPDA...' and 'CANC...' buttons at the bottom right.

Figure 80: Update

6.3. Delete Data Source

Hover the cursor on the required data source. The delete icon appears. Click  to delete the data source

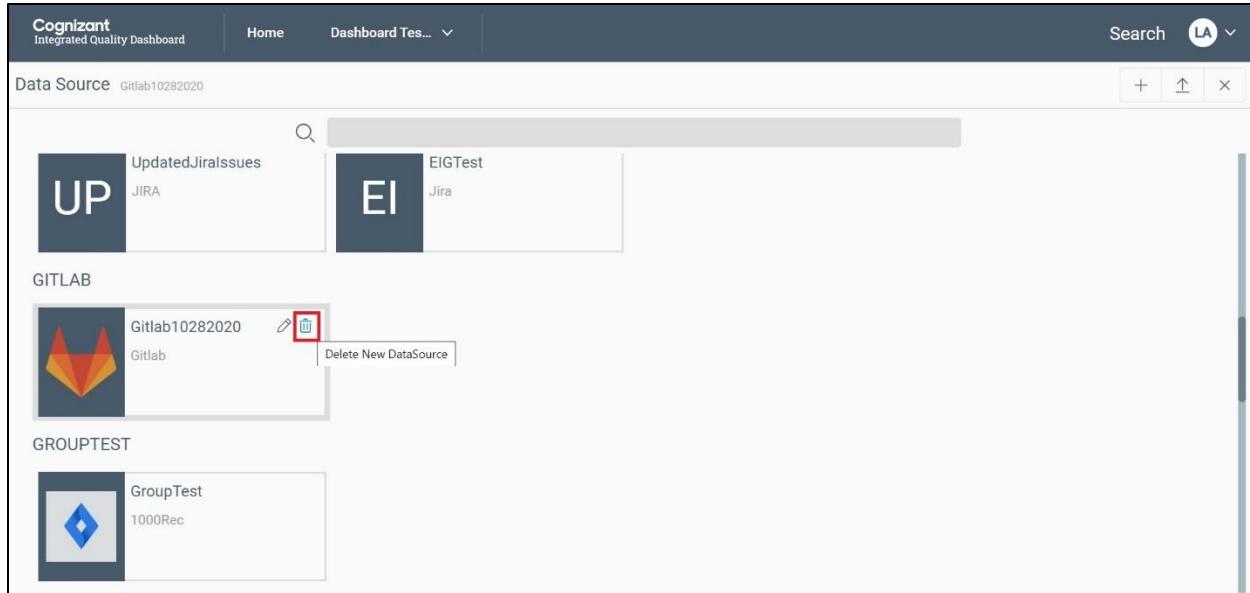


Figure 81: Delete

The delete confirmation pop-up appears. Click **OK** to delete the data source.

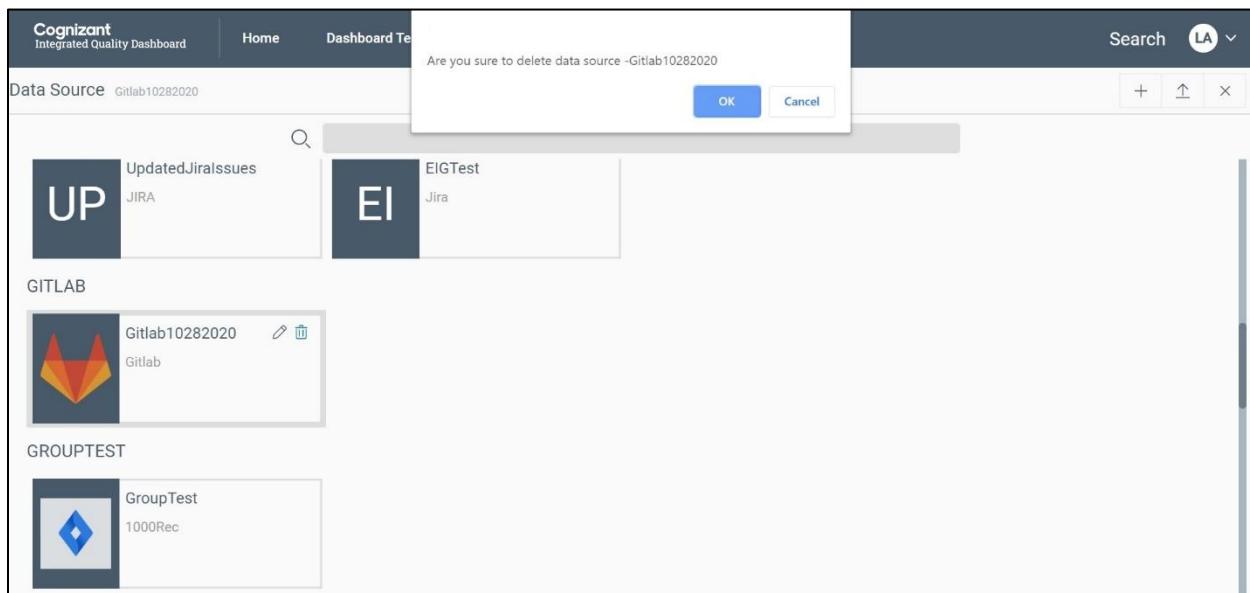
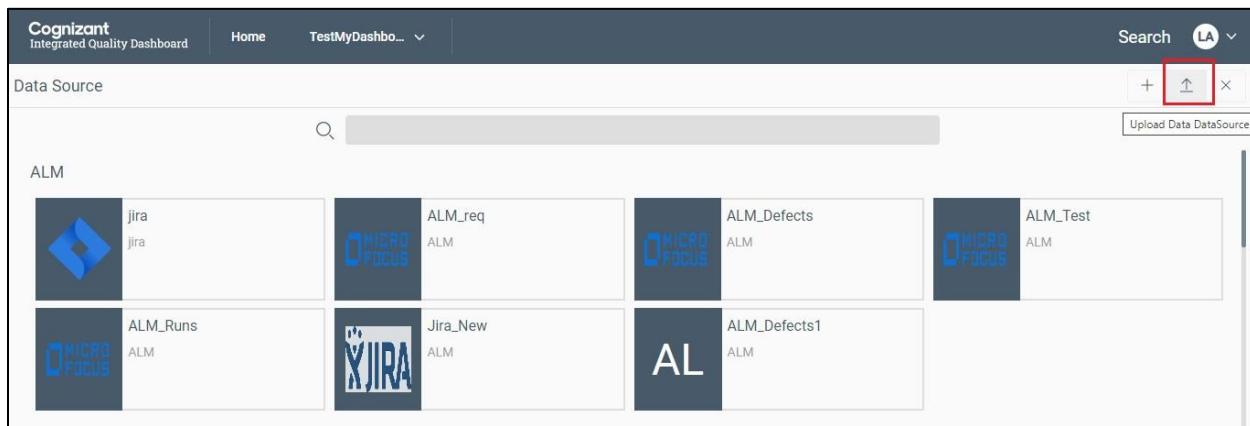


Figure 82: Confirm

6.4. Upload external data source

You can even upload external data that is in **CSV/JSON** format. This helps to import data from local computer directly into the database.

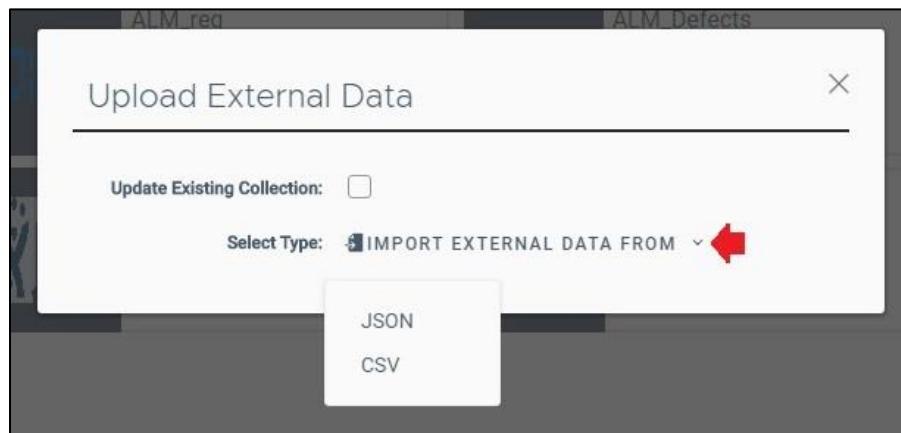
1. Navigate to the dashboard grid window
2. You can create new data source for chart and table items only. Drag and Drop an item and click on  icon to navigate to **Data Source** page
3. Click on  to upload external data source



The screenshot shows the 'Data Source' section of the dashboard. It displays a grid of data sources categorized under 'ALM'. The sources include: jira (with a blue diamond icon), ALM_req (with a blue square icon), ALM_Defects (with a blue square icon), ALM_Test (with a blue square icon), ALM_Runs (with a blue square icon), Jira_New (with a blue square icon), and AL (with a dark blue square icon). In the top right corner of the grid header, there is a red box highlighting the '+' icon, which is used to upload external data. Below the grid, there is a search bar and a button labeled 'Upload Data DataSource'.

Figure 83: Upload

4. Select the type of data that you want to upload, JSON or CSV



The screenshot shows a modal dialog titled 'Upload External Data'. It has a checkbox for 'Update Existing Collection' which is unchecked. Below it is a 'Select Type:' dropdown menu with a red arrow pointing to it, currently set to 'IMPORT EXTERNAL DATA FROM'. At the bottom, there are two buttons: 'JSON' and 'CSV'.

Figure 84: Data type

5. Browse for the source file in your local computer with the selected format and upload it. A success pop-up appears if data is uploaded successfully

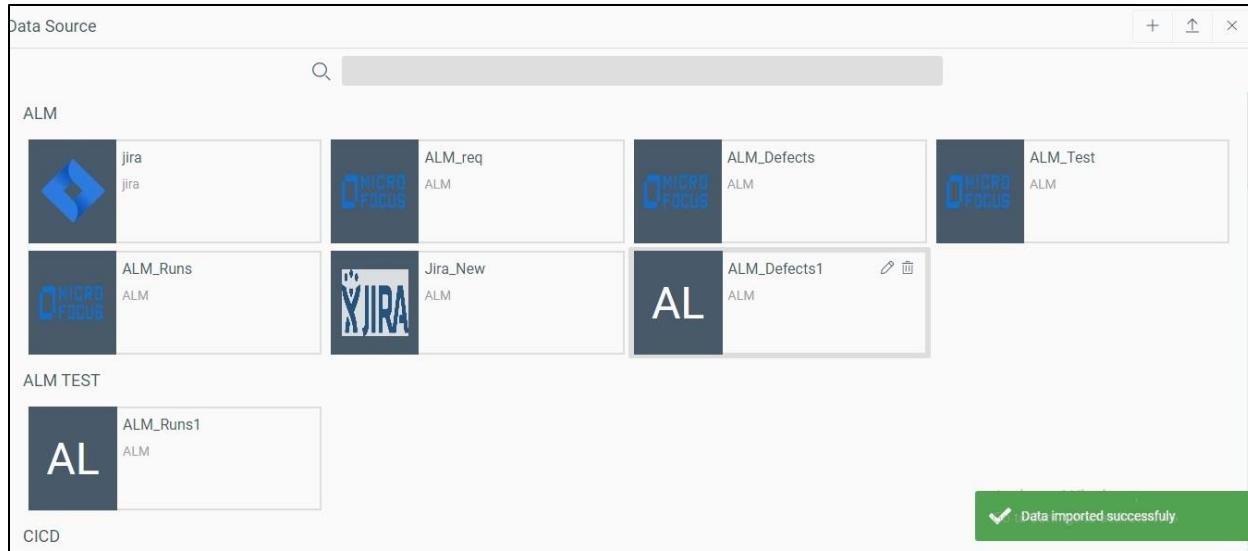


Figure 85: Data uploaded successfully

6. The newly uploaded data is saved in the database

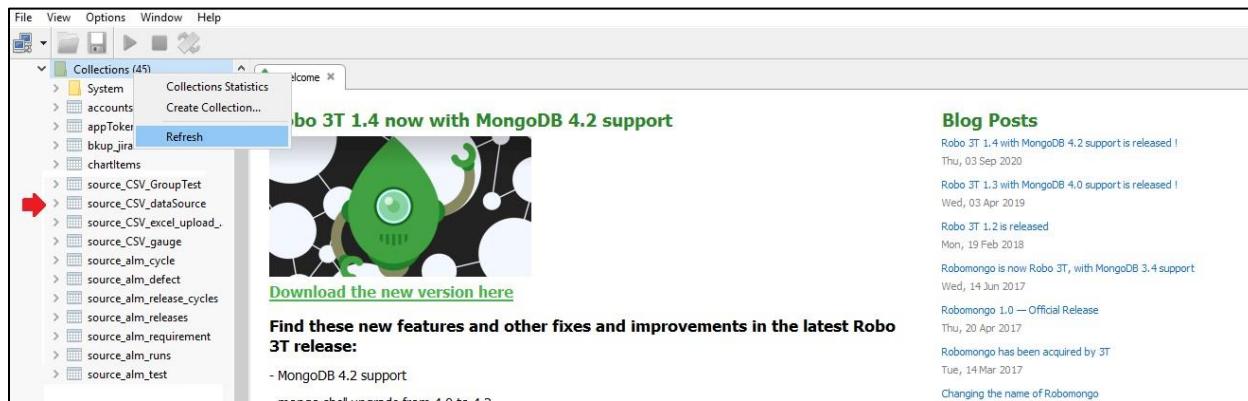


Figure 86: Newly uploaded data

7. Add Data source for the newly uploaded data, as explained in section above

7. Create View

Create View is pictorial representation mapping the fields between multiple collections data used to create charts.

7.1. Add Create View

1. Select a project. Create a new dashboard or edit an existing dashboard
2. Navigate to the dashboard grid window
3. User can create new data source for chart and table items only. Drag and Drop an item and click  to navigate to Data Source page

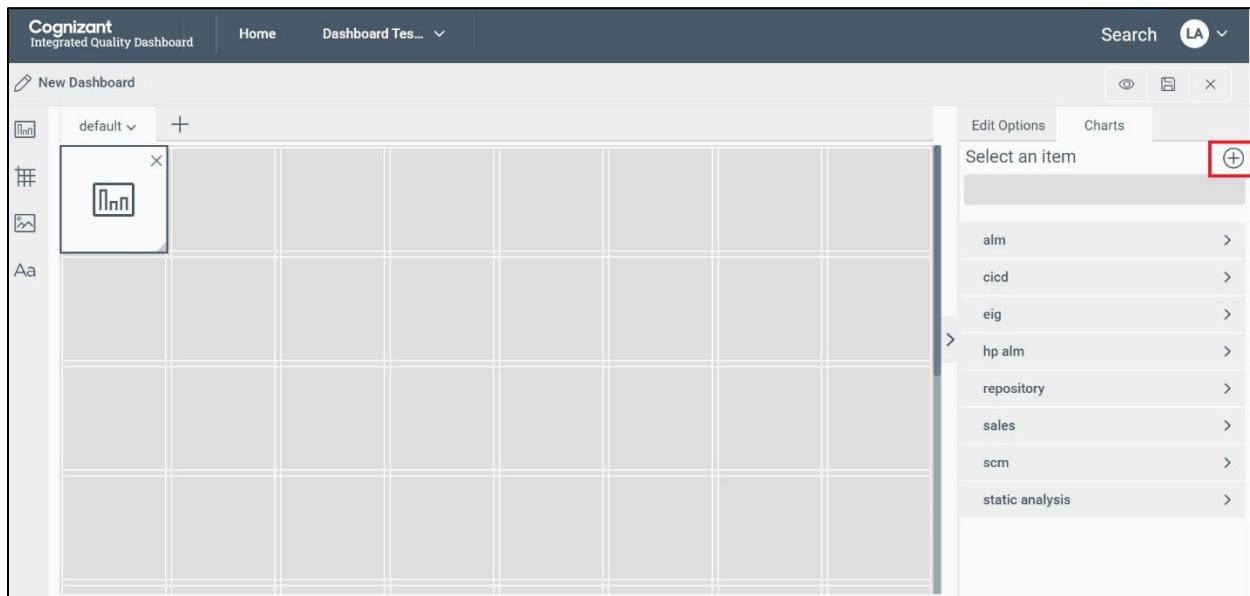


Figure 87: Add

4. Click  create a new Data source as shown below

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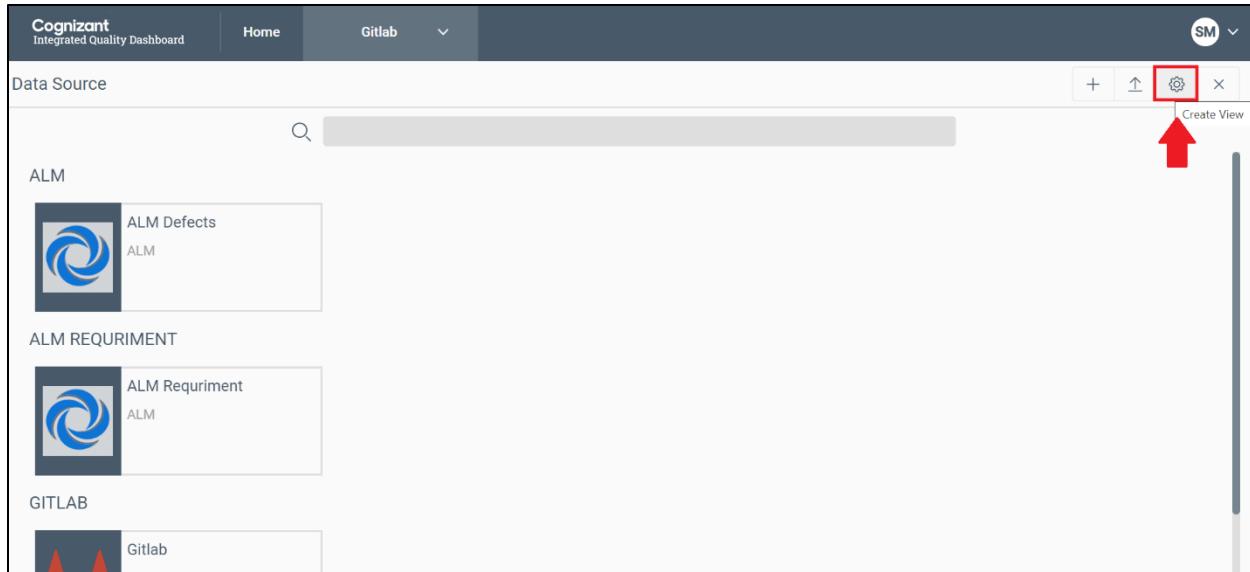


Figure 88: Add

5. The Create View page appear

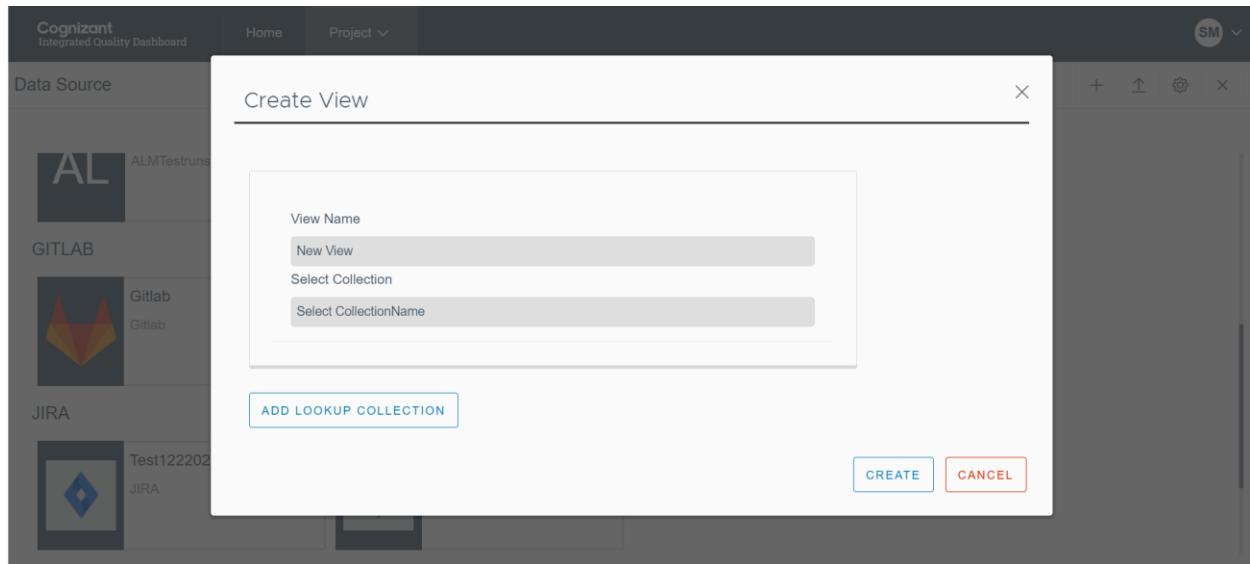


Figure 89: Create View Page

6. Fill the information of base collection

Field Name	Description
Name	Create View Name
Select Collection	Select the collection (Base)

Field Name	Description
Select Fields	Select the Field from the Field drop down (Fields are populated based on the collection select on the Select Collection drop down box)
Alias	Automatically populated from the field select, the same value appear in the alias text box. User can change the name.

7.2. Add Base Collection

7. View of Base Collection Selection

- a. Fill the view name start with **source_<name>**
- b. Select the collection Name from the list

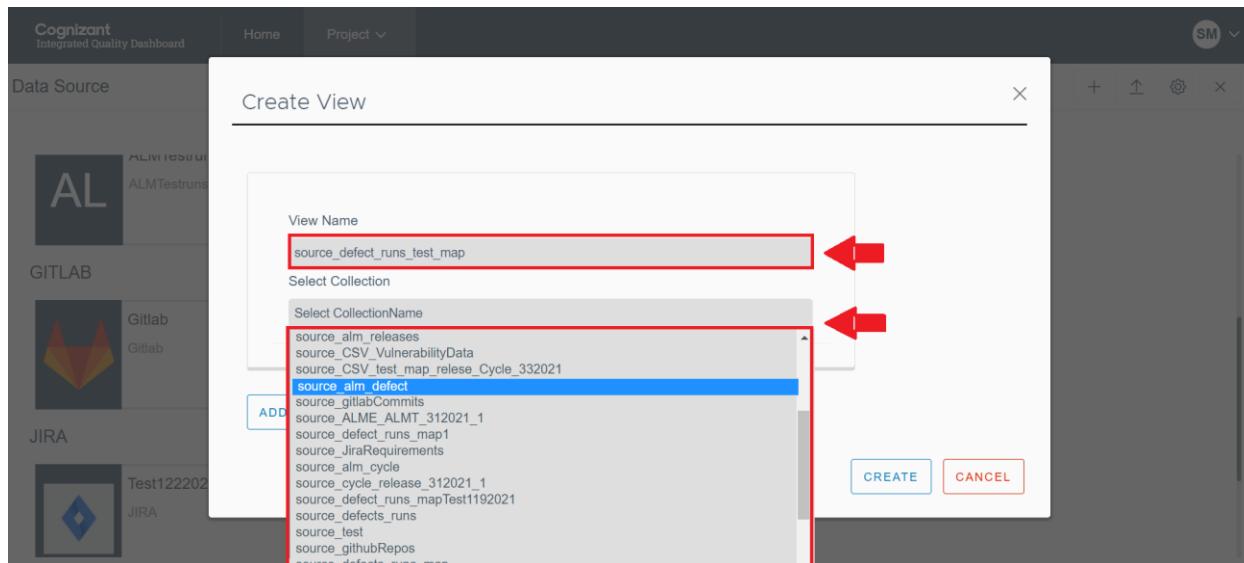


Figure 90: Create View Base Collection Selection

8. After Select the Base Collection, it loads the Fields Dropdown and Alias Text Box controls.

See on the heading marked below, the selected collection name then see two controls are added dynamically with Fields dropdown and alias textbox.

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If user select the Field, the alias name automatically populated the value in alias Textbox.(**same text what we selected in the Field list**)

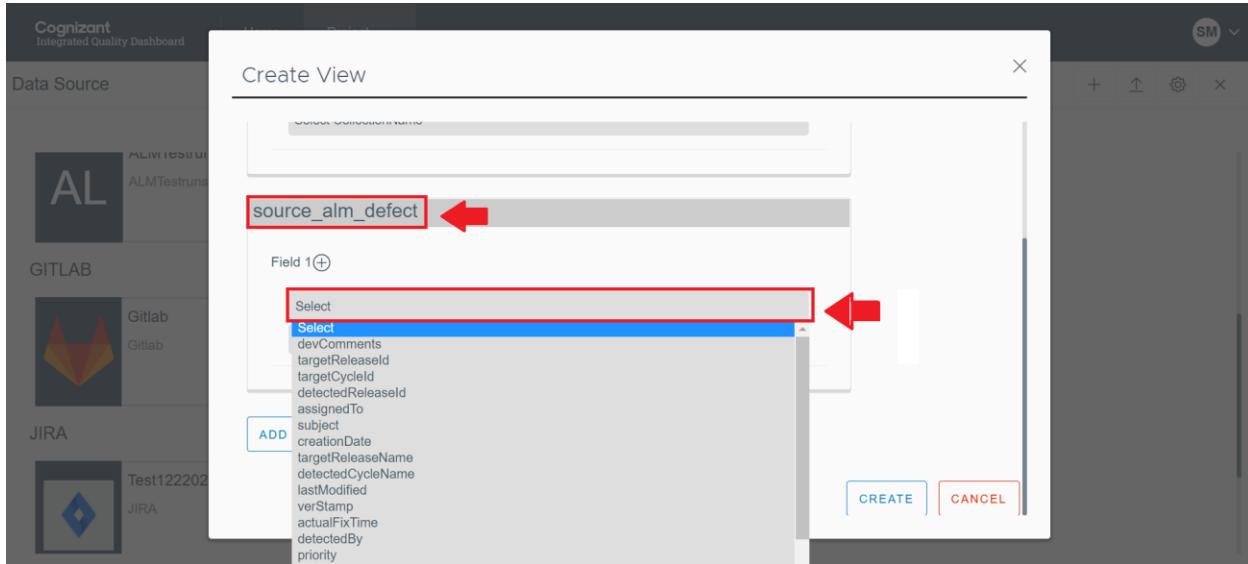


Figure 91: Create View after Base Collection Selection, User able to select the fields

9. After the field selection, see the alias textbox below the Field control.

Note: User can change the alias name.

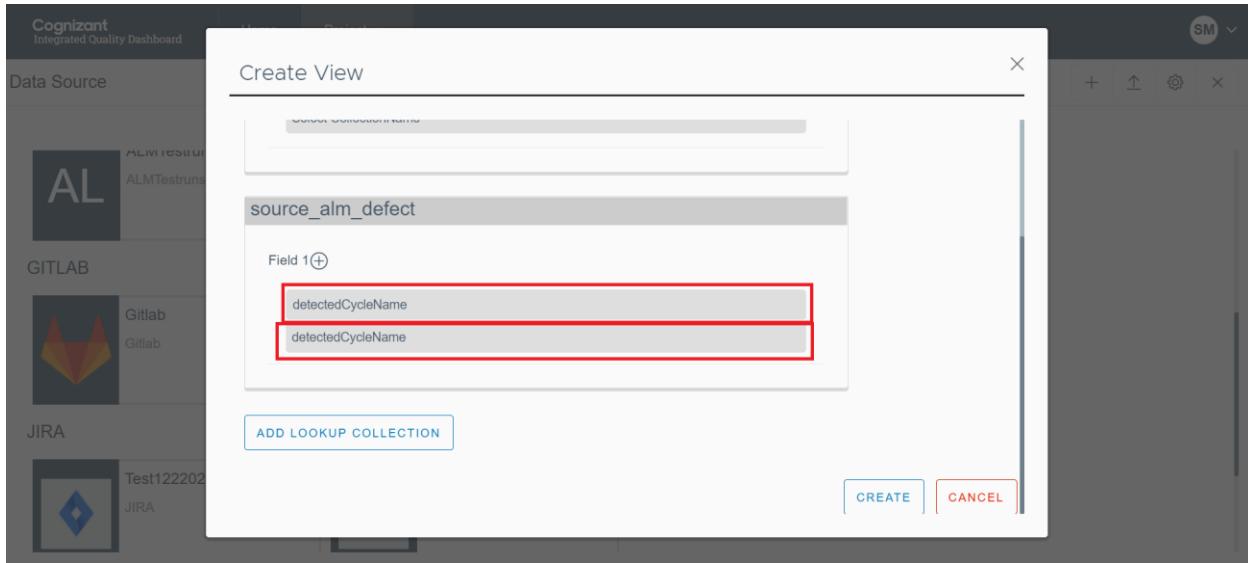


Figure 92: Create View after Base Collection Selection, the alias value are same

10. We can add more fields, Click the plus icon  to add next row, to select next Field

A set of Field and alias are dynamically created with the new index, the same we can add more number of row with different fields.

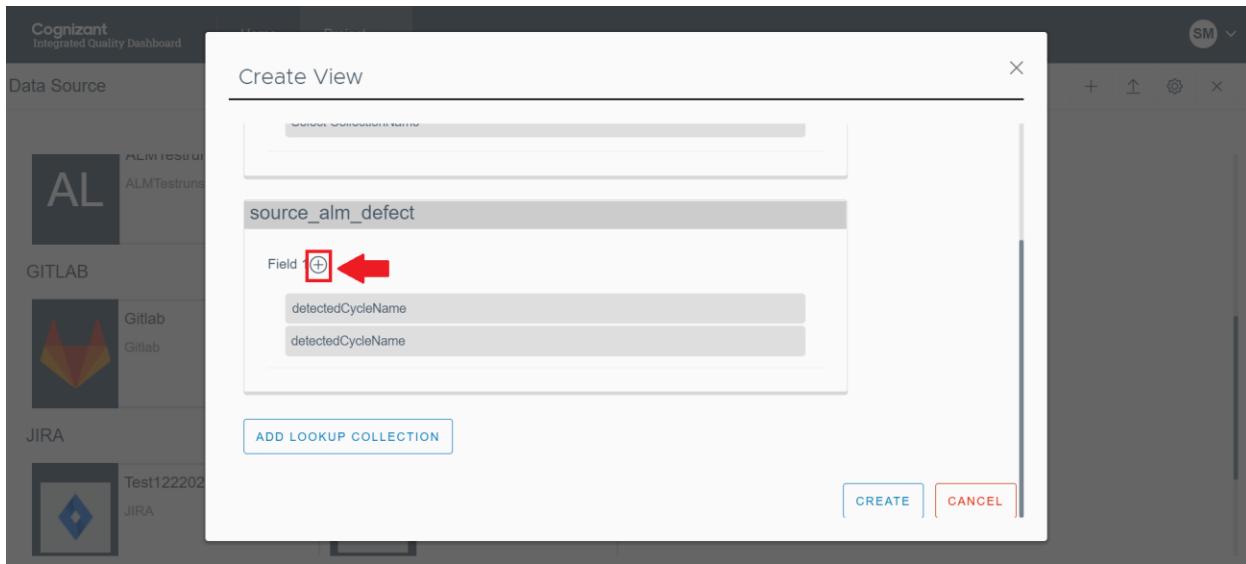


Figure 93: Create View after Base Collection Selection, Add another row

11. See once click the  button.

See the new set of controls dynamically added with data (Fields), you can select from the dropdown list. The same we can add more rows to select different fields.

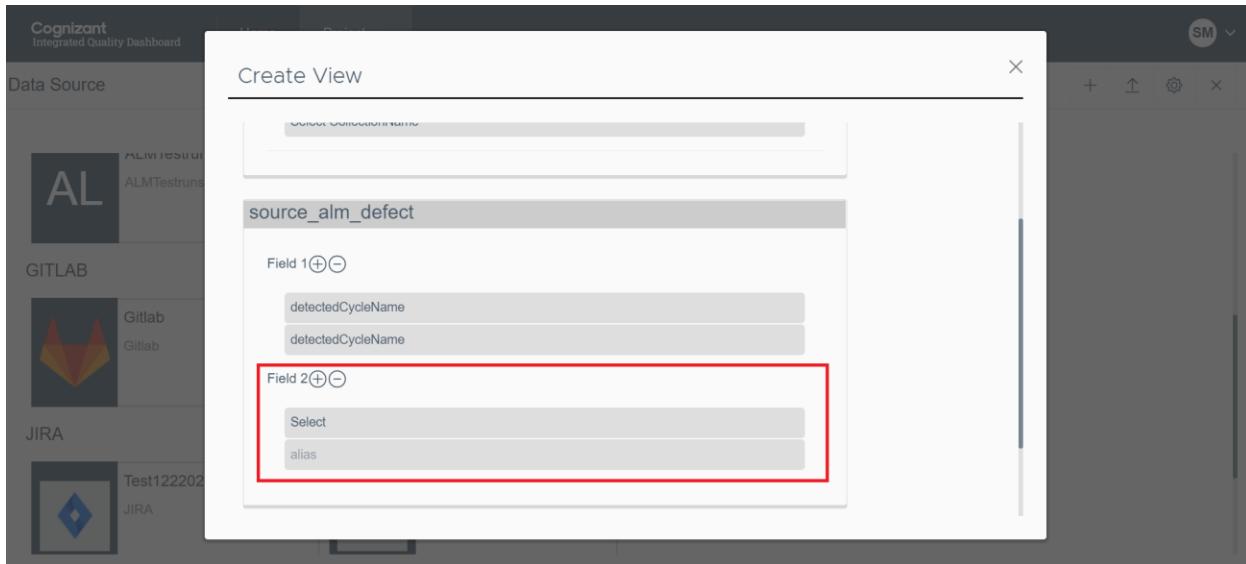


Figure 94: Create View after Base Collection Selection, dynamically the controls are loaded

Note: For base collection we must to select the common Fields in the row Ex. “domain Name”, “Project Name” is same field used in our all over backend collection. Then this the key (Foreign key relationship) it makes a relationship between Base Collection and Lookup Collection.

7.3. Add Lookup Collection

12. Add lookup collection

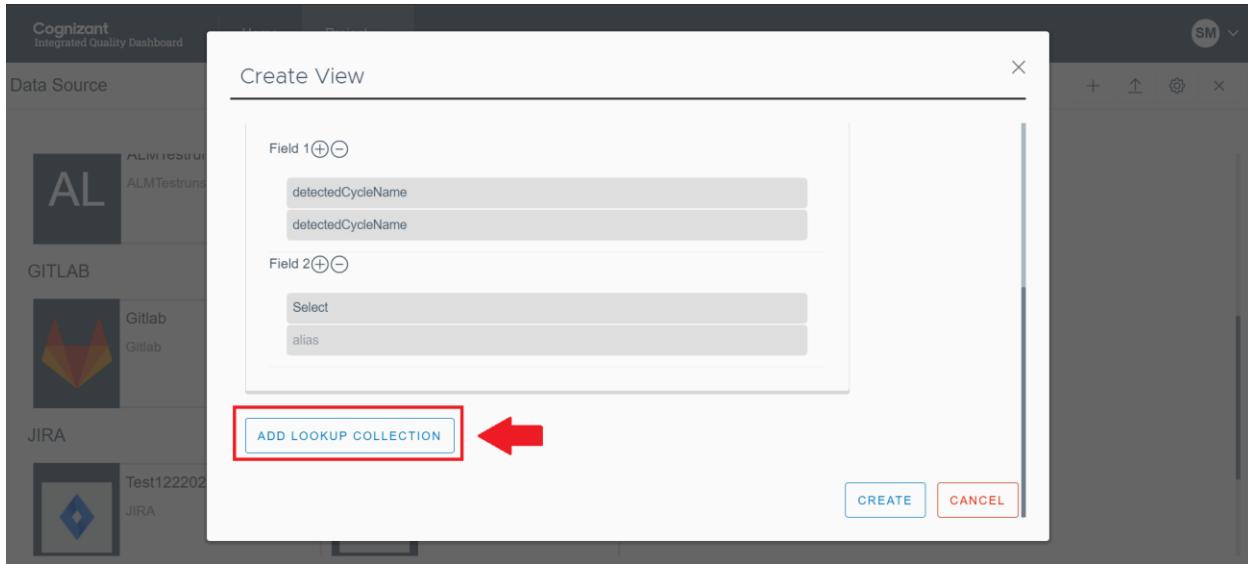


Figure 95: Add lookup collection

13. Click the “ADD LOOKUP COLLECTION” button, it show you a dialog box with a dropdown box loaded with collection name. Select collection name.

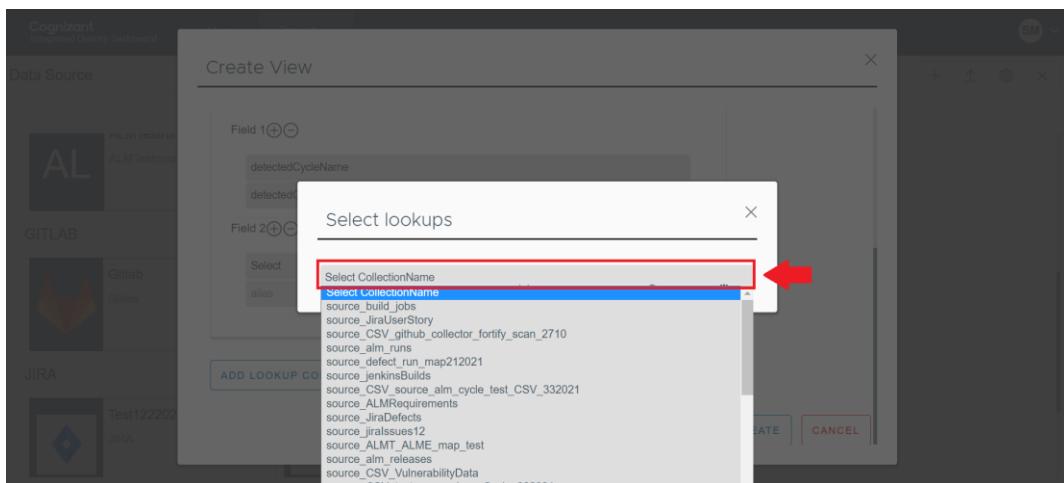


Figure 96: Select lookups

14. After select the lookup collection, it loads the dynamically controls.
- Field Controls loaded with data based on selected lookup collection
 - Alias textbox control , when select the field from the dropdown control the selected field name automatically populated in the alias textbox
 - Load the source field drop down and lookup field drop down. (it is used for local Field and Foreign Field relationship key)
 - Alias collection name control, it populate the value from the selected lookup collection name.

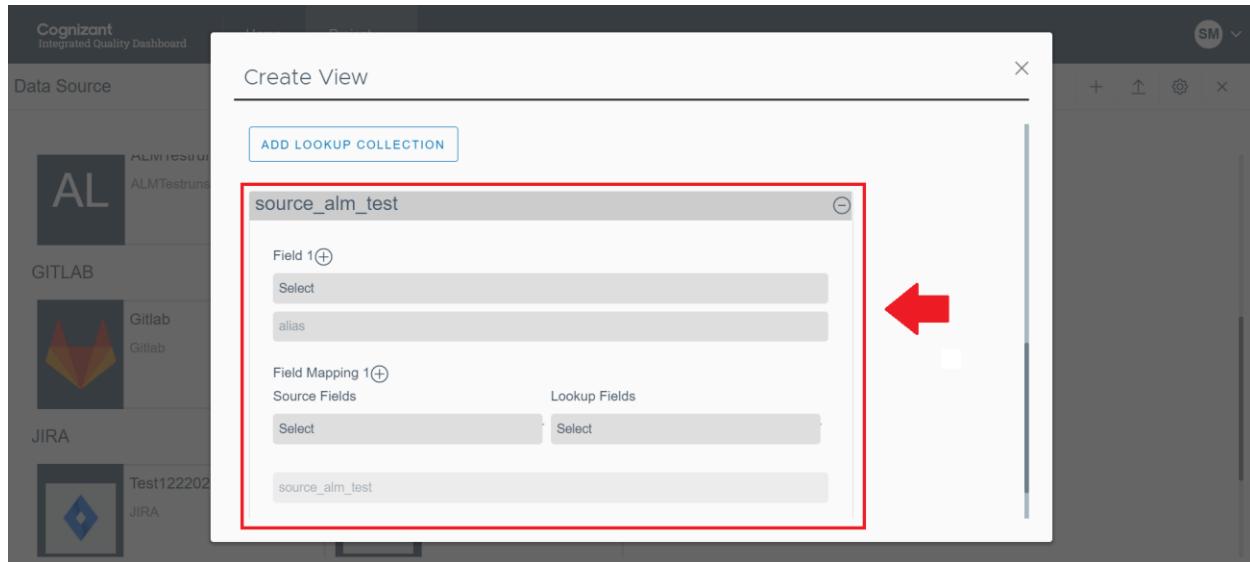


Figure 97: lookup collection added

We can add more lookup collection using the add lookup collection, automatically load another set of controls in the below based on index.

15. Added Multiple collection view

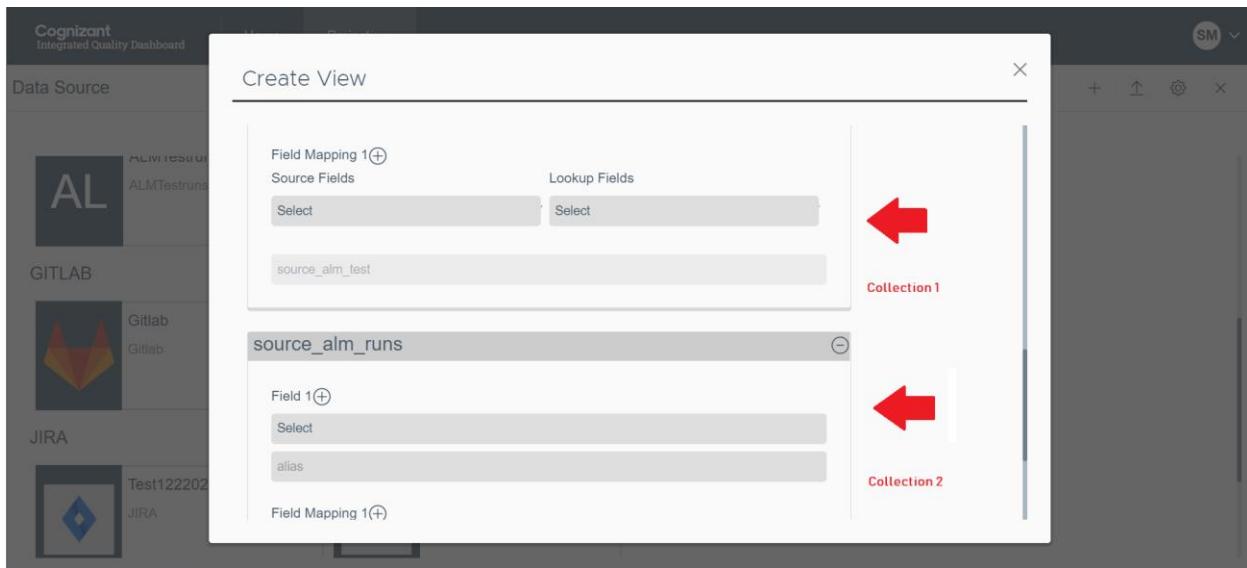


Figure 98: Added multiple lookup collection added

16. After Select the Base Collection, it loads the Fields Dropdown and Alias Text Box controls.

See on the heading marked below, the selected collection name then see two controls are added dynamically with Fields dropdown and alias textbox.

If user select the Field, the alias name automatically populated the value in alias Textbox.(same text what we selected in the Field list)

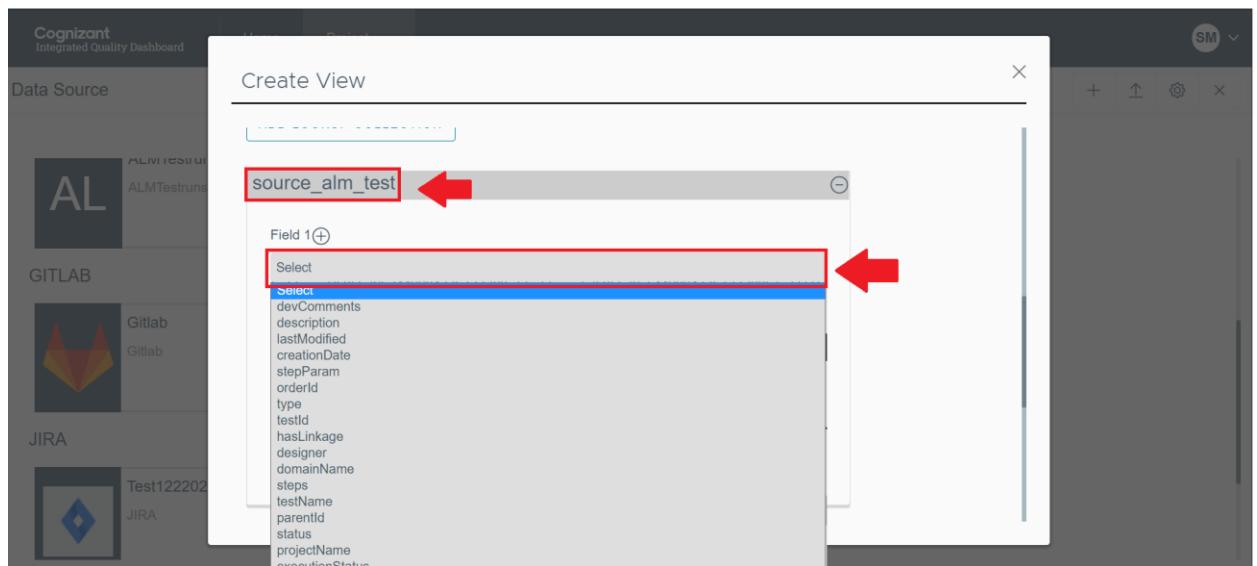


Figure 99: Added lookup collection - add field

17. After select the field, see the alias name automatically populated from the field selection. user can change the alias name

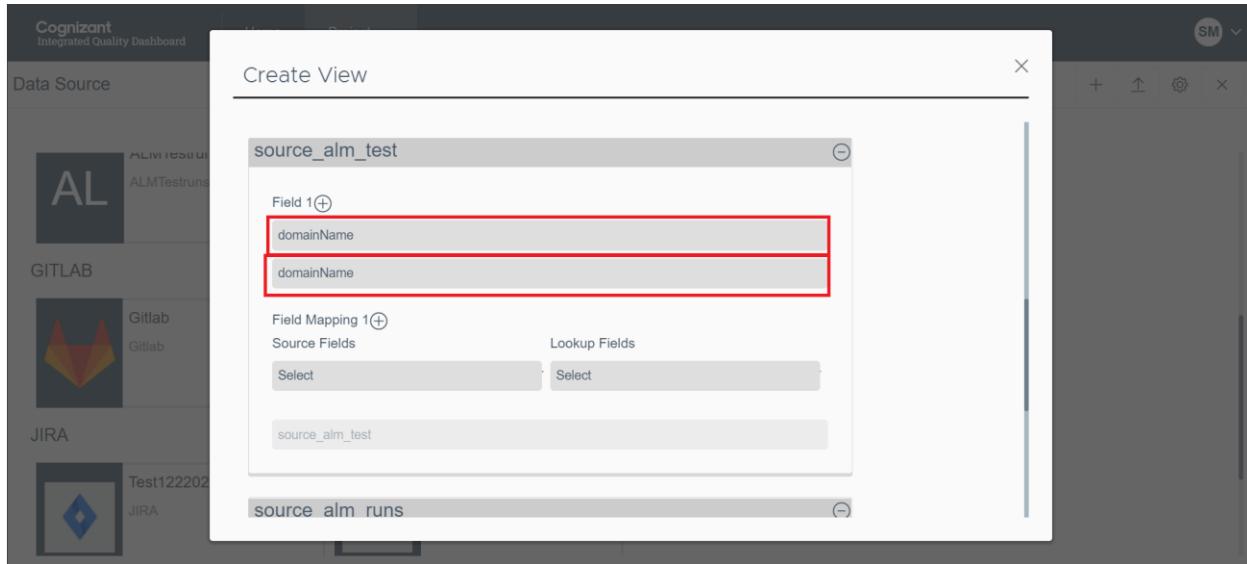


Figure 100: Added lookup collection - Field and alias name are populated

18. We can add more fields, Click the plus icon to add next row, to select next Field

A set of Field and alias are dynamically created with the new index, the same we can add more number of row with different fields.

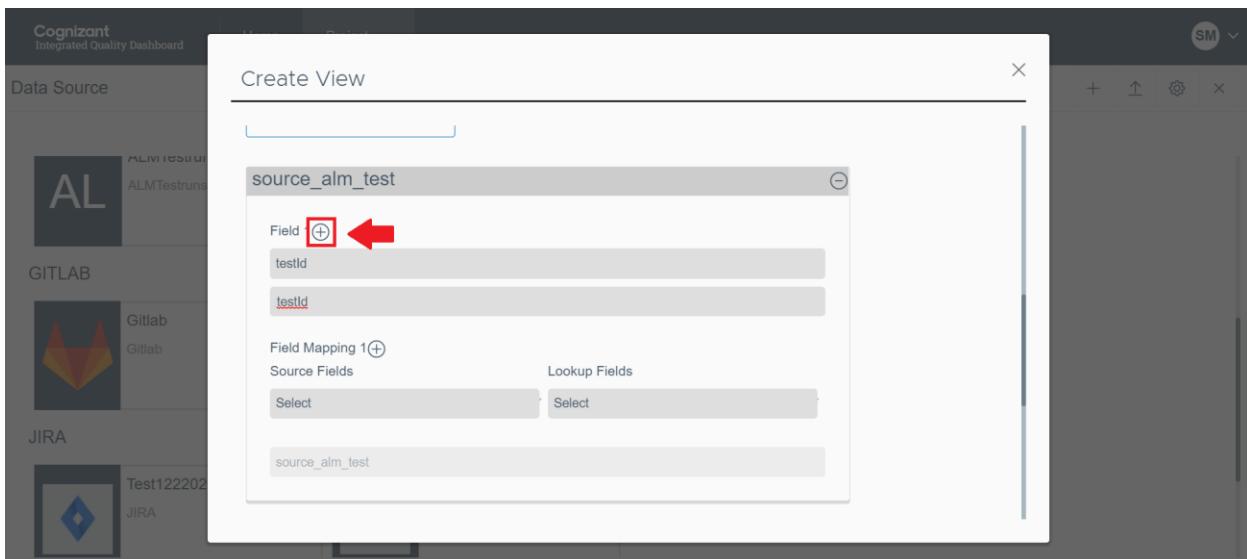


Figure 101: Added lookup collection - Add multiple fields

19. See the new fields added after click the plus button.

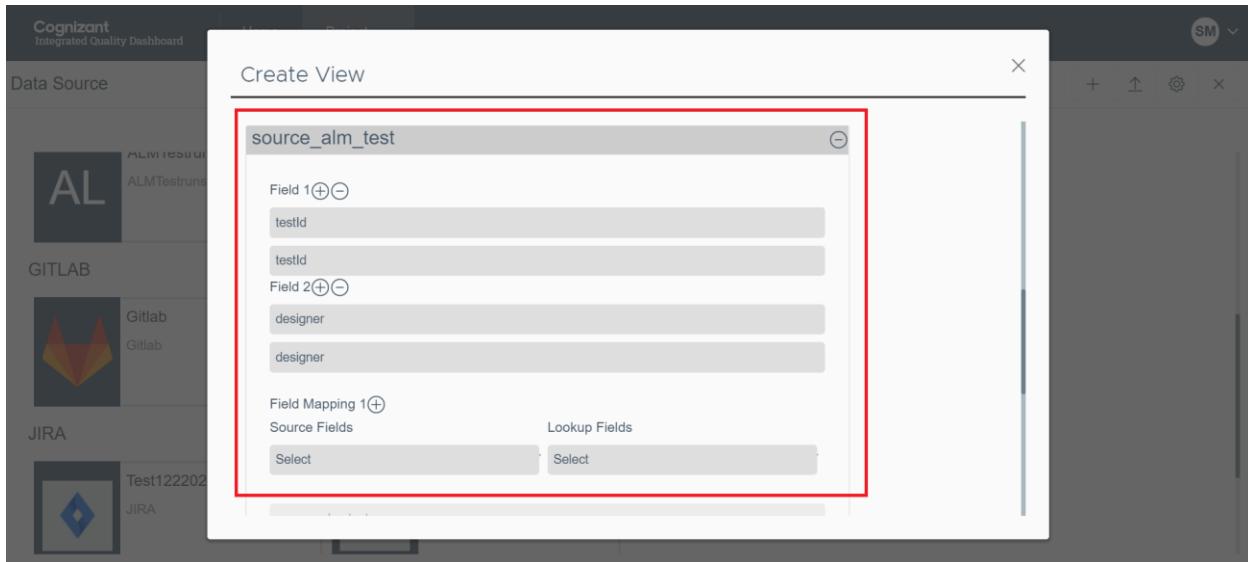


Figure 102: Added lookup collection - Add multiple fields

20. To Delete the field row, Click the minus button

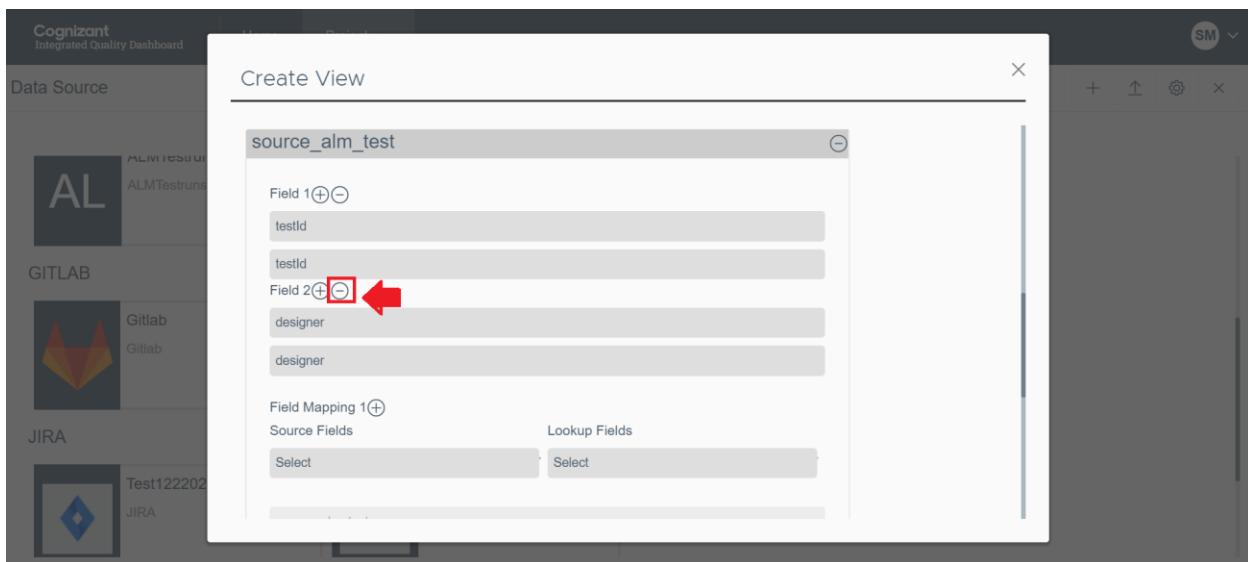


Figure 103: Added lookup collection - To Delete

21. After Delete the Field Row

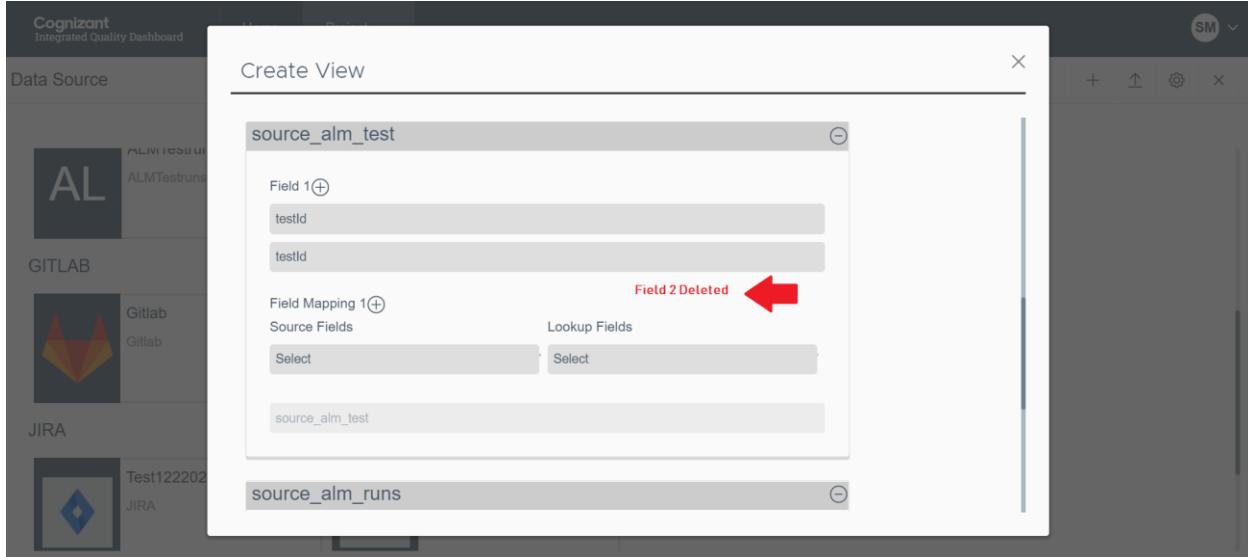


Figure 104: Added lookup collection - After Delete the Field

22. Add Field mapping to select source Fields and Lookup Fields

- Here we marked below to add new Field Mapping for Source Fields and Lookup Fields

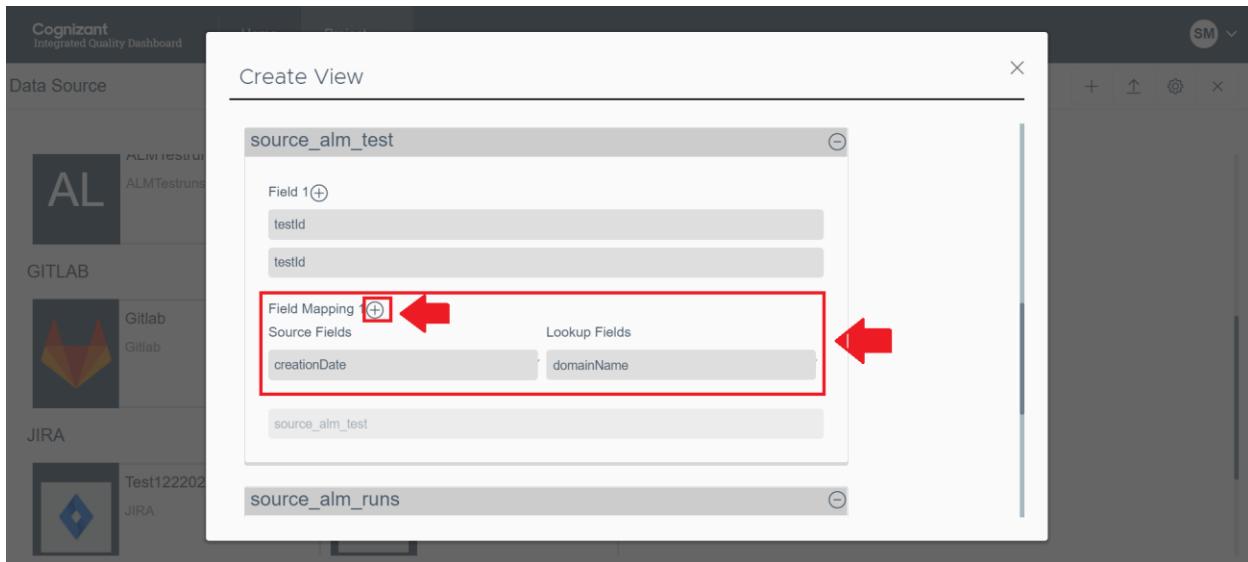


Figure 105: Added lookup collection - Add Field Mapping (source fields and lookup fields)

23. After click the add button see the picture below, we can add multiple Field mapping.

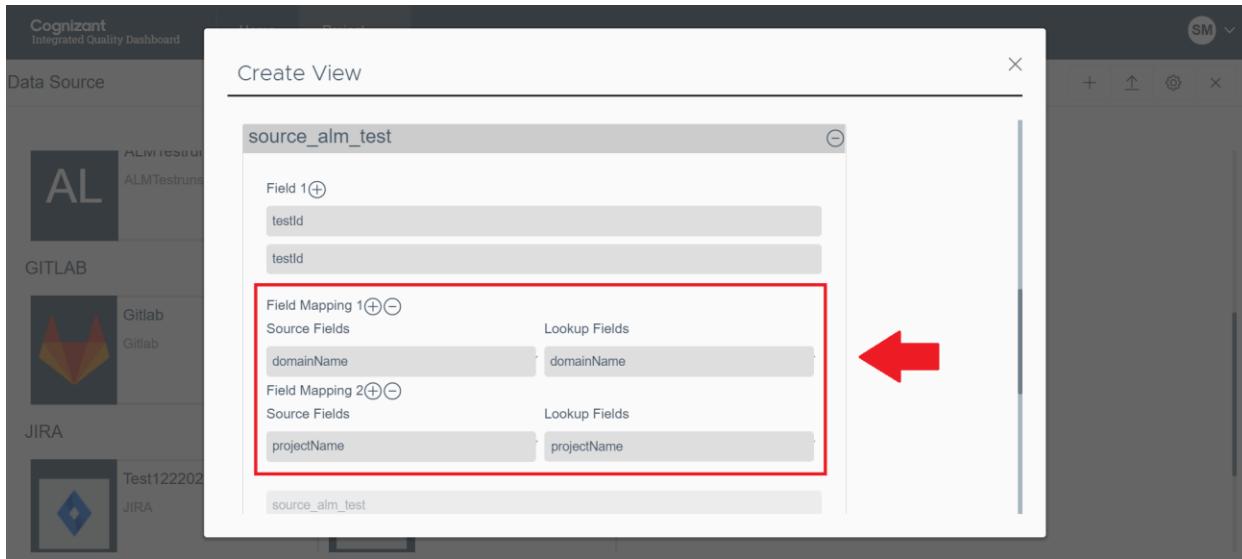


Figure 106: Added lookup collection - Add Field Mapping (multiple source fields and Lookup fields)

24. To Delete the row, Click the minus button

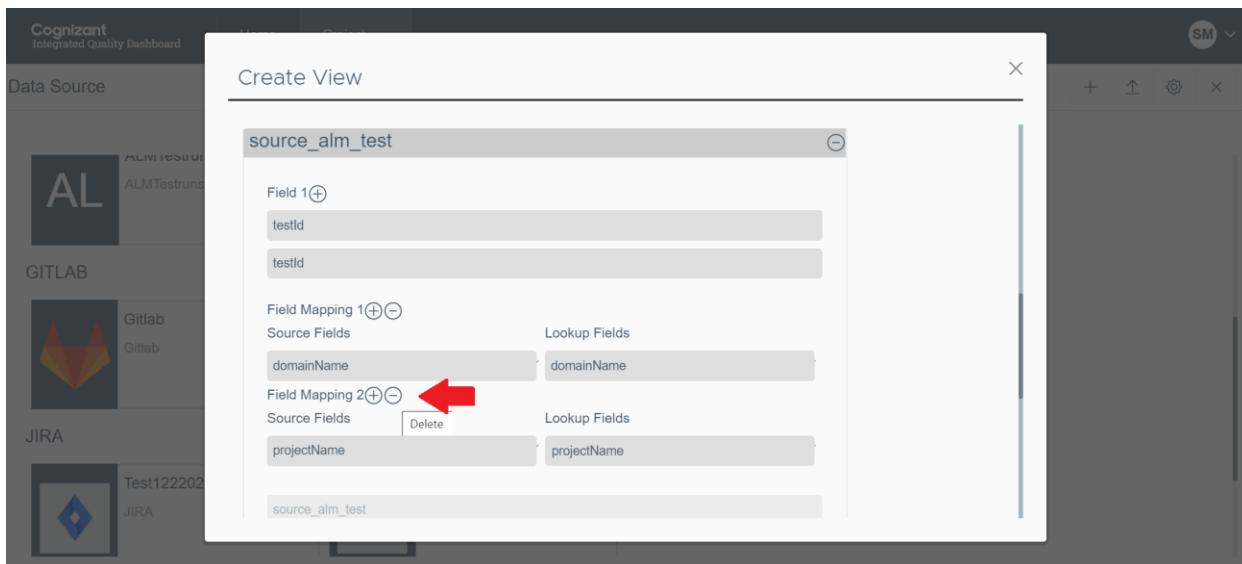


Figure 107: Added lookup collection - To Delete the row (Field Mapping)

25. After the Delete

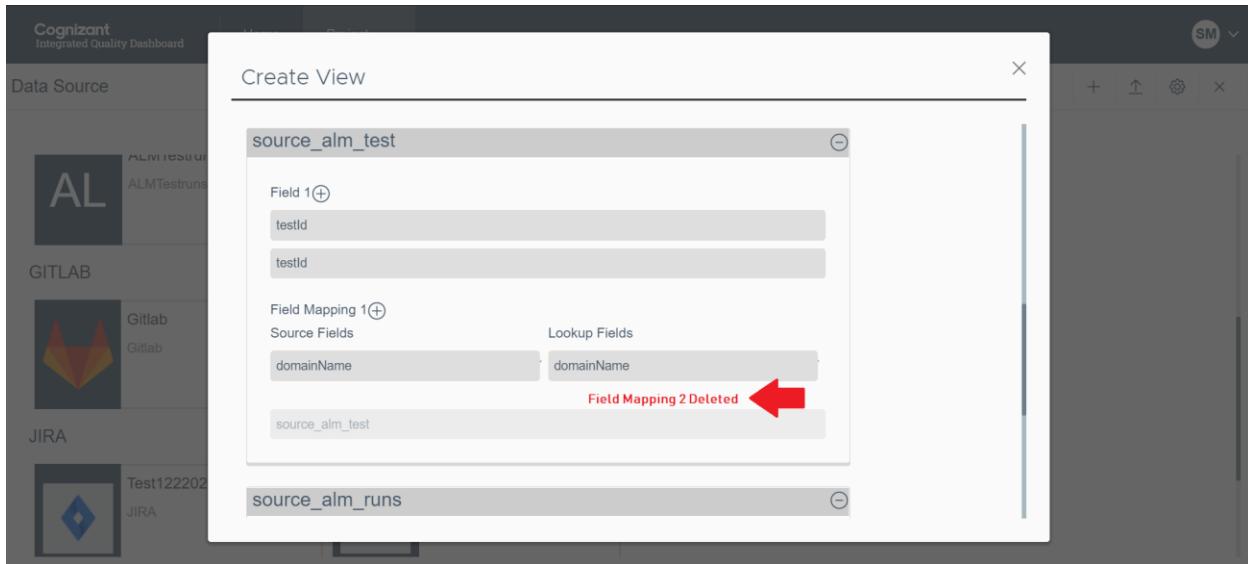


Figure 108: Added lookup collection - After Delete (Field Mapping)

26. Adding Collection Name alias, when we select the lookup collection the value populated from the lookup collection.

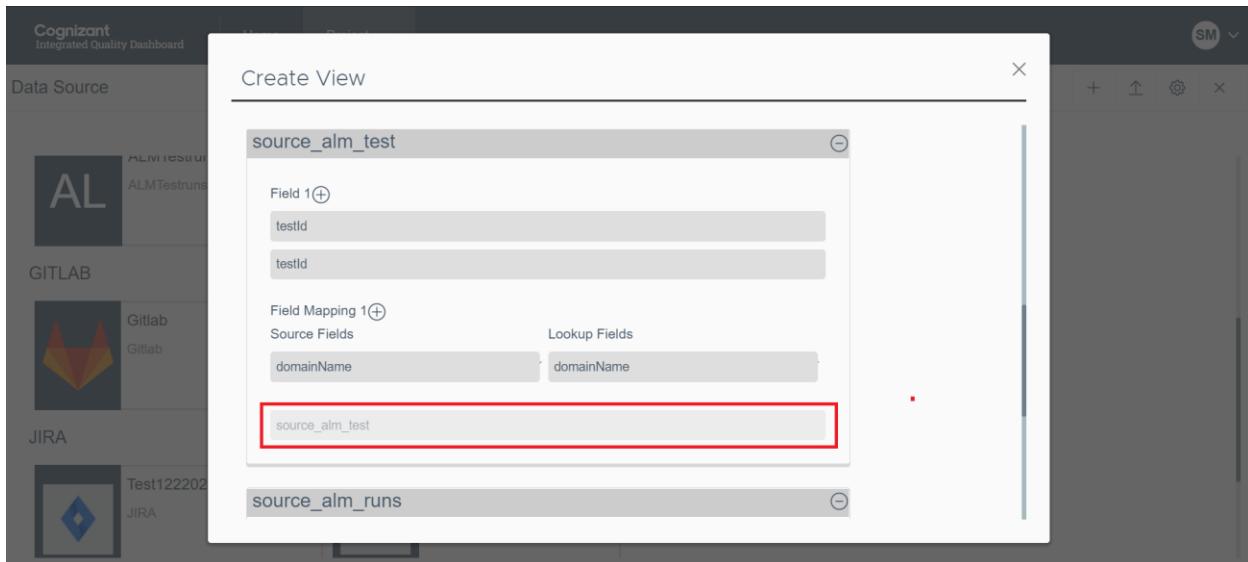


Figure 109: Added lookup collection - Adding collection alias

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27. After complete the inputs click the Create button, the base collection and lookup collection mapped field are store in Database

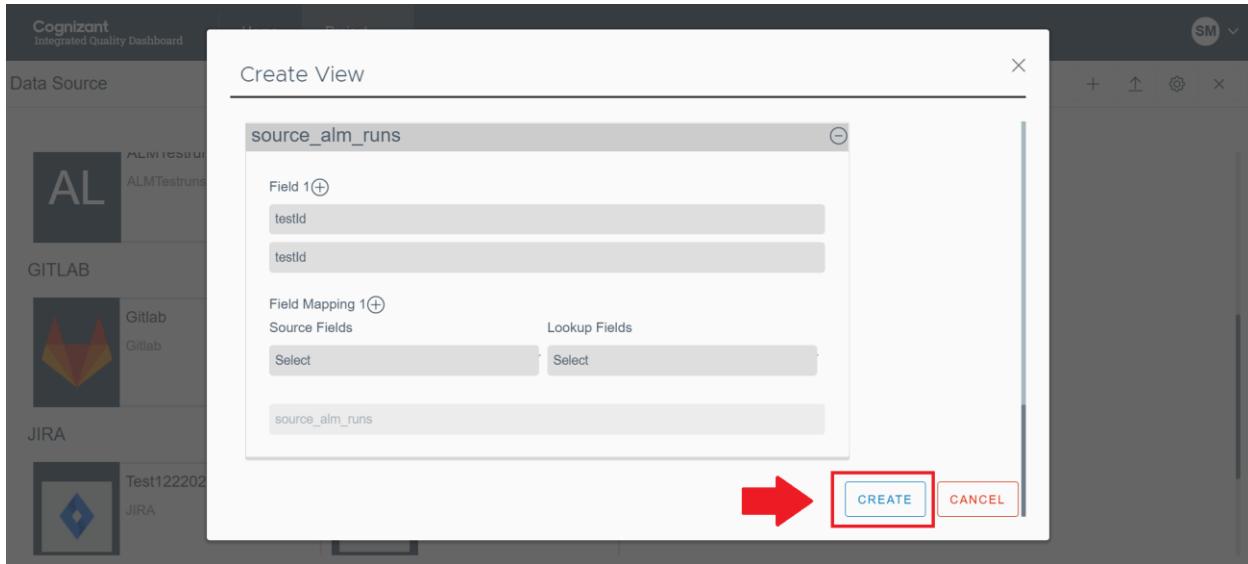


Figure 110: Added lookup collection - Creating Create view

28. After click the create button, A successfully message “View Created successfully”

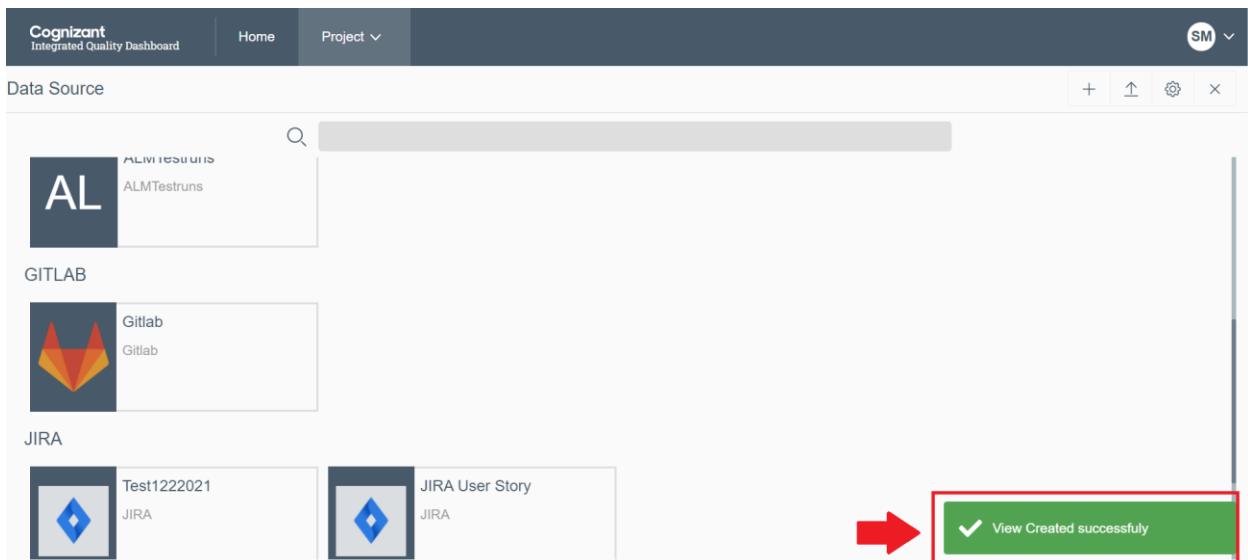
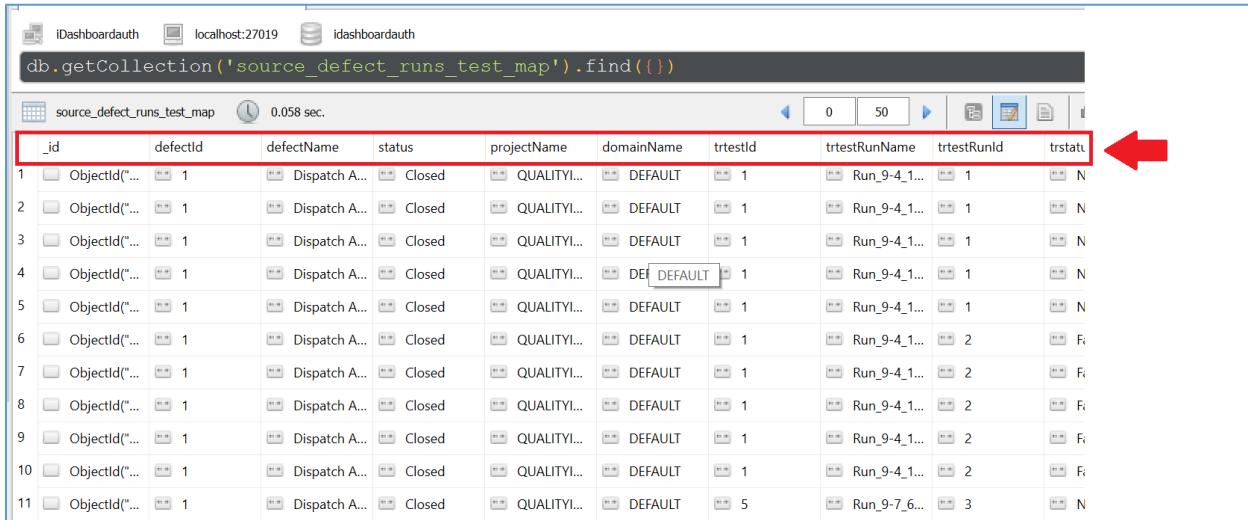


Figure 111: Added lookup collection - New View Created

29. See in the back end (Database) , Mapping fields are updated in the Database



The screenshot shows a MongoDB query results window. The query is: db.getCollection('source_defect_runs_test_map').find({}). The results table has the following columns: _id, defectId, defectName, status, projectName, domainName, trtestId, trtestRunName, trtestRunId, and trstat. The 'trstat' column is highlighted with a red border and a red arrow points to its header. The data shows 11 rows of test mapping information.

	_id	defectId	defectName	status	projectName	domainName	trtestId	trtestRunName	trtestRunId	trstat	
1	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	1	N	
2	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	1	N	
3	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	1	N	
4	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEF	DEFAULT	1	Run_9-4_1...	1	N
5	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	1	N	
6	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	2	F	
7	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	2	F	
8	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	2	F	
9	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	2	F	
10	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	1	Run_9-4_1...	2	F	
11	ObjectId("...")	1	Dispatch A...	Closed	QUALITYI...	DEFAULT	5	Run_9-7_6...	3	N	

Figure 112: Added lookup collection - mongo DB view

8. Features

This chapter explains the features available in CIQDashboard.

8.1. Filter and Aggregate

Filter

Filtering involves choosing smaller part of the data and displaying records that meet certain criteria

1. Click **Add Filter** to open filter pane

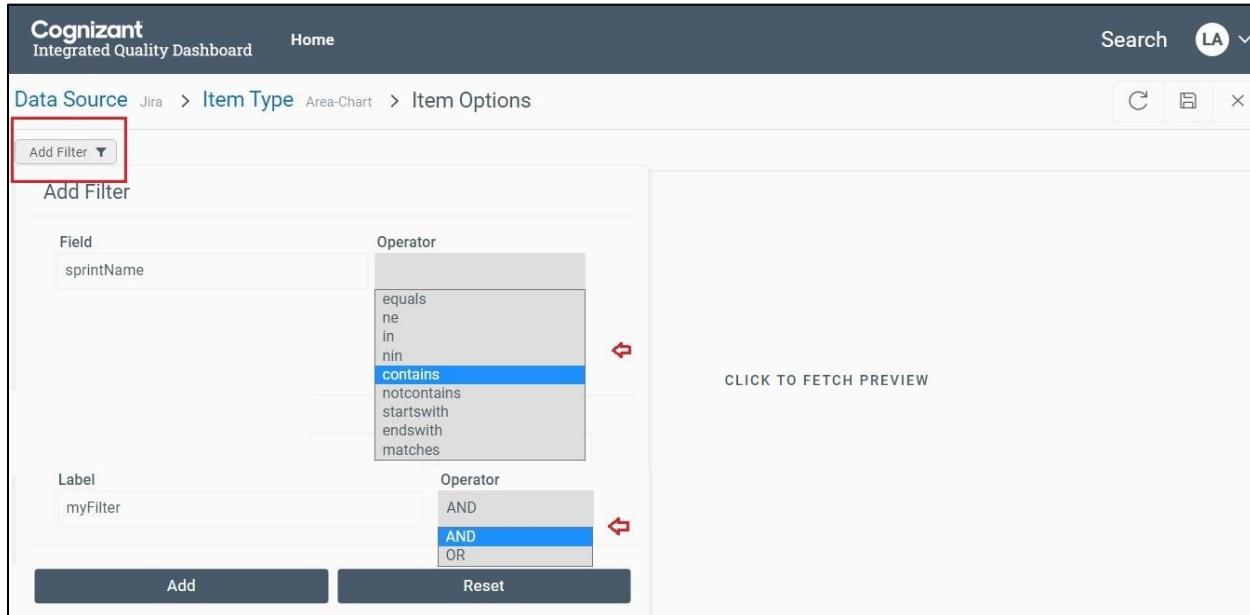


Figure 113: Add Filter

2. In **Field**, select the required field from list to apply filter
3. In **Operator**, select the required operator from list
4. In **Label**, provide a label name for the filter
5. In **Operator**, select the required operator from list.
6. Click **Add** to add the filter or **Reset** to reset the filter

To close the filter pane, click anywhere outside the filter pane.

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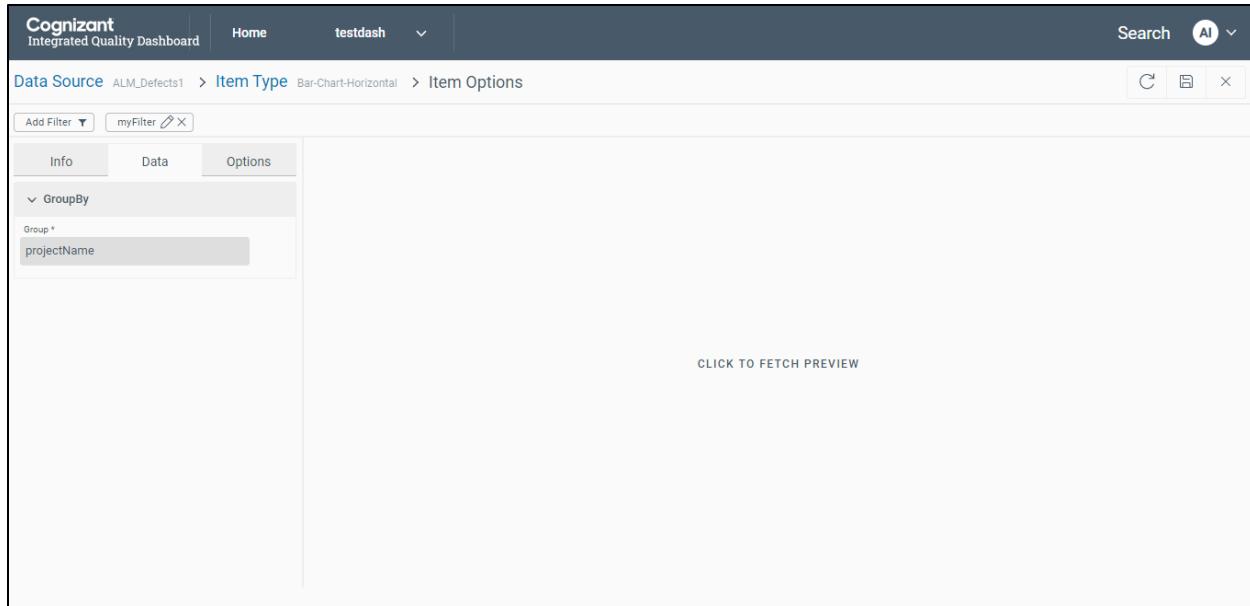


Figure 114: Close filter pane

The filter pane is closed and the filter is added. Click or **CLICK TO FETCH PREVIEW** to view the chart.

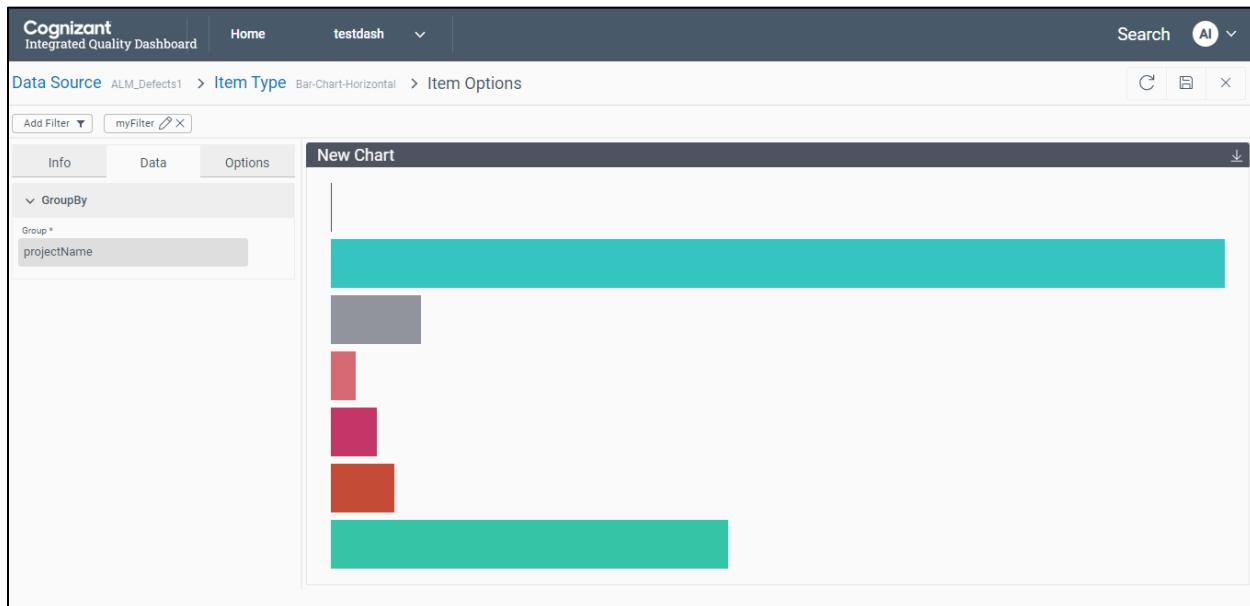


Figure 115: View chart

To remove the filter, click and the filter is removed. Click to edit the defined filter options. Refer the below image.

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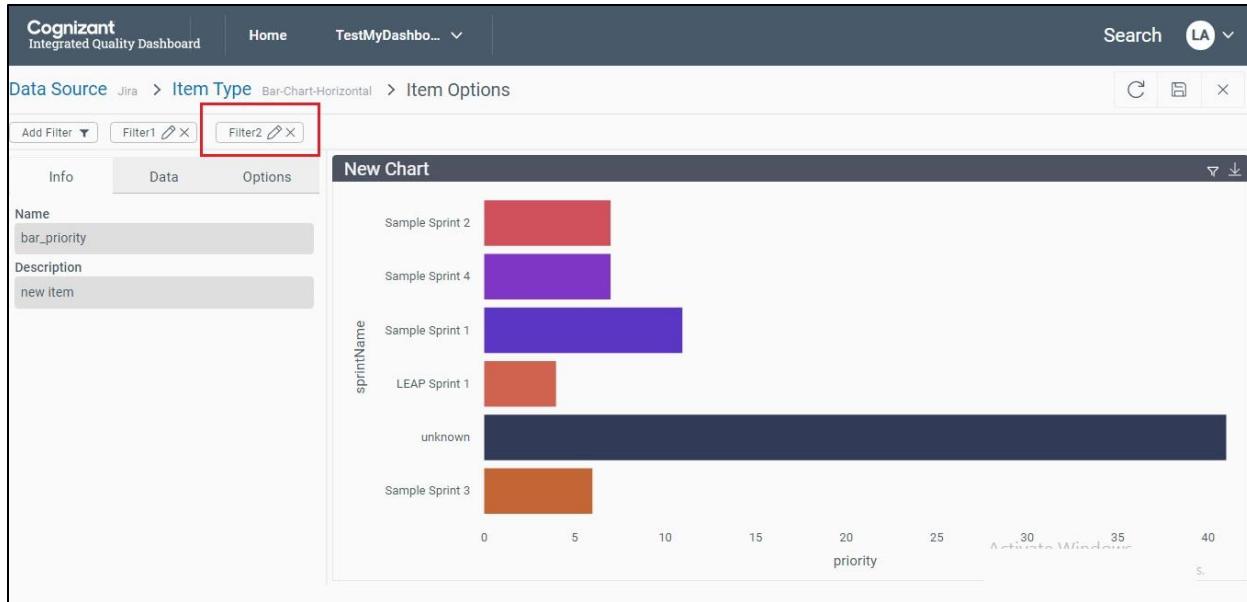


Figure 116: Edit/Delete

When you delete and add a new filter, click the newly added filter to activate and then click to reload the chart with the new filter conditions applied.

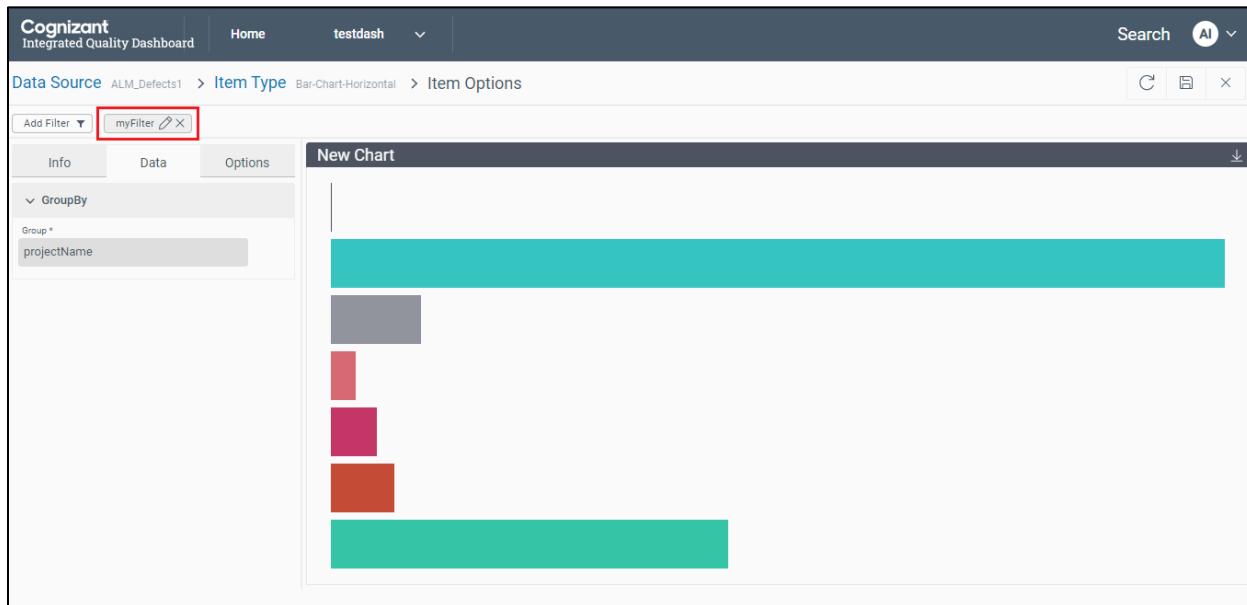


Figure 117: Activate filter

Aggregate

Aggregation is the process of gathering data and presenting it in a summarized format for statistical analysis.

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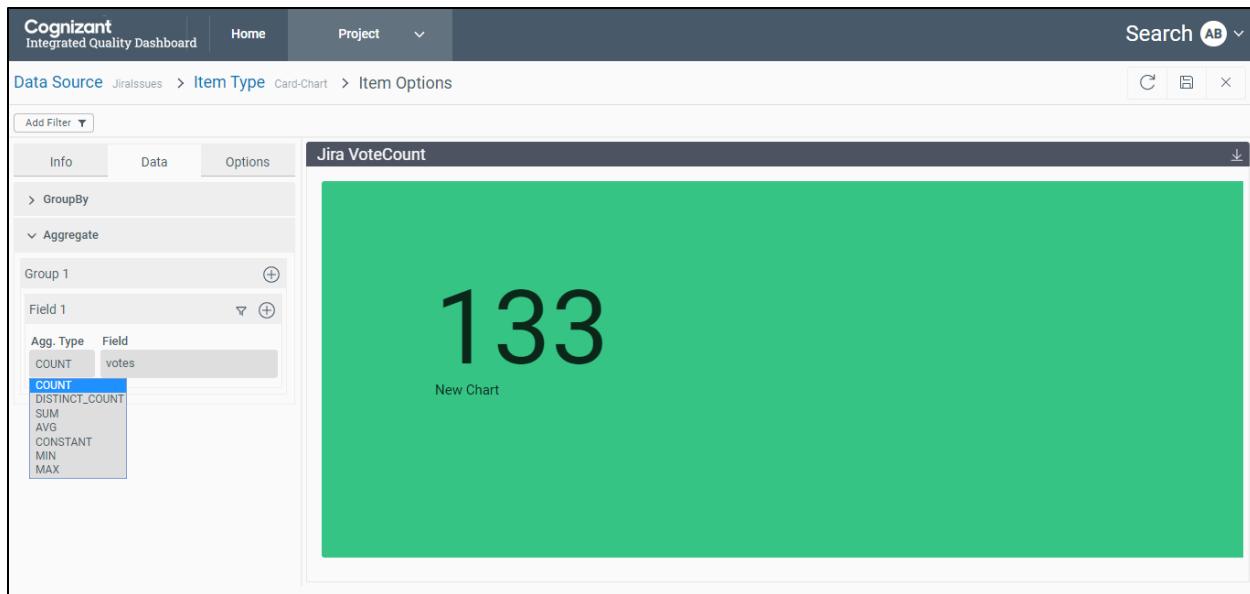


Figure 118: Aggregate

User can add multiple aggregate groups using operators such as **add**, **sub**, **multiply** and **div** in order to find a metric using formulae.

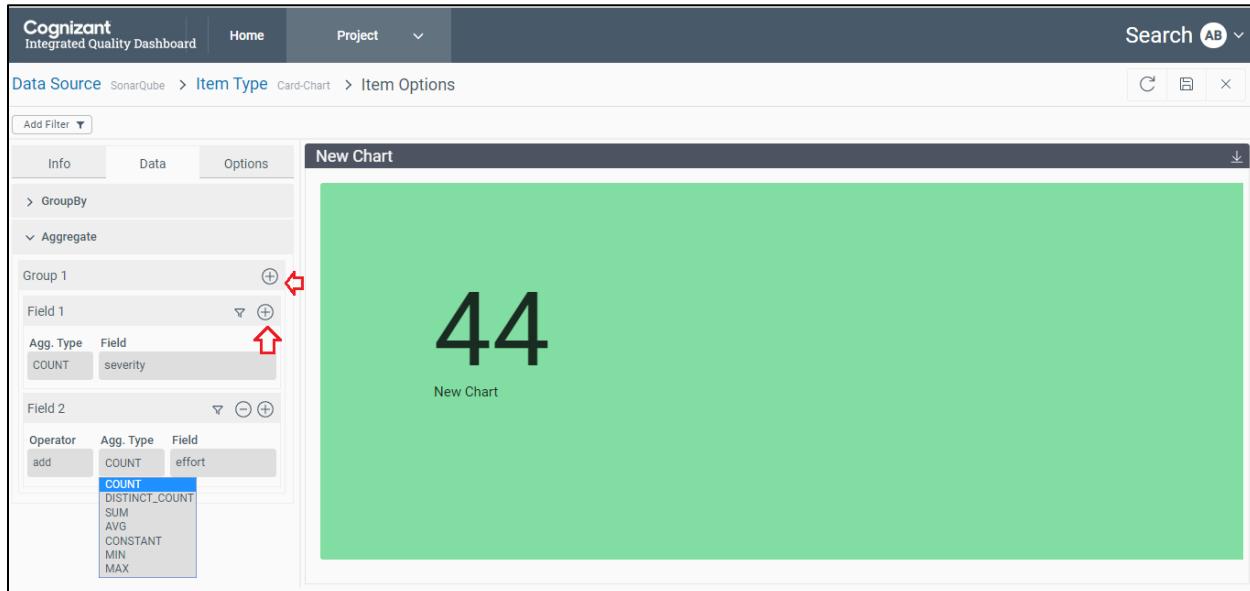


Figure 119: Multiple operators

 Only applicable for **Card Chart**. Do not select Group By to use **aggregate feature**. Output is a number.

8.2. Chart Types

CIQDashboard provides user to represent their data using several graphs. The following are the graphs available:

- Horizontal Bar Charts (Standard, Grouped, Stacked, Normalized)
- Vertical Bar Charts (Standard, Grouped, Stacked, Normalized, bar-chart-vertical-gauge)
- Line
- Area (Standard, Stacked, Normalized)
- Pie (Explodable, Grid, Advanced)
- Linear Gauge
- Polar chart
- Tree map
- Card

8.3. Chart Options

There are various options available for charts

Options	Description
Title	Title of the chart
Colors	Colors for the chart
Dateseries	Applicable for date to make it in series
dateFormat	Format of the date (YYYY,MMM YYYY,dd-MM-YYYY, dddd, dd MMM YYYY)
DateGroup	StartOf_Year,EndOf_Year,StartOf_Week etc.
Cumulative	To represent data cumulatively
Animations	Enable animations
Legend	Show or hide the legend
legendTitle	The legend title
legendPositionDown	The legend position is below
xAxis	Show or hide the x axis
yAxis	Show or hide the y axis
ShowGridLines	Show or hide the grid lines
roundDomains	Round domains for aligned girdlines
showYAxisLabel	Show or hide the y axis label

Options	Description
xAxisLabel	The x axis label text
yAxisLabel	The y axis label text
trimXAxisTicks	Trim ticks on the x axis
trimYAxisTicks	Trim or not ticks on the Y axis
rotateXAxisTicks	Enable automatic rotation of x axis ticks to prevent overlaps
showDataLabel	Displays the value number next to the bar
noBarWhenZero	Hide bar if value is 0 and setting is true
Gradient	Fill elements with a gradient instead of a solid color
barPadding	Padding between bars in px
tooltipDisabled	Show or hide the tooltip
Round Edges	Round edges for the bars
Timeline	Display a timeline control under the chart. Only available if x scale is date
Auto Scale	set the minimum value of the y axis to the minimum value in the data, instead of 0 (ignored if yScaleMin is defined)
rangeFillOpacity	opacity of the shadow around the line indication the (optional) min and max values. The range shadow is only displayed if min and max values are provided with the data
Explode Slices	Make the radius of each slice proportional to its value
Doughnut	Should doughnut instead of pie slices
Arc Width	Arc width, expressed as a fraction of outer radius
minWidth	Minimum width of each graph in grid
Units	Text to display under the value
Big Segments	Number of big segments on the axis

Options	Description
Small Segments	Number of small segments between every big segment
angleSpan	The angle that the chart spans (in degrees)
Show Text	Show or hide the inner text