



# Kovair ALM and DevOps Reports and Dashboards

Kovair Software is a Silicon Valley based software products company specializing in the domain of Integrated Application Lifecycle Management - ALM solutions. Our objective is to make the software development process better, faster and collaborative – anytime, anywhere, using any tool, platform and technology. Kovair also focuses on integrating third-party best-of-breed tools so as to enable creation of applications in a synchronized tools environment.

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# Table of Contents

<b>Reports .....</b>	<b>1</b>
<b>Report Types.....</b>	<b>1</b>
Tabular Report.....	1
Traceability Report.....	1
Graphical Reports.....	1
Word Report.....	3
Template Report.....	3
<b>Dashboards .....</b>	<b>4</b>
How Reports can be included in Dashboards.....	4
Assigning Users or Groups to a Dashboard .....	5
<b>Out-of-the-Box Reports .....</b>	<b>7</b>
Reports on DevOps .....	7
Reports on Requirements Management.....	9
Reports on Test Management.....	11
Reports on Defect Management.....	13

# Reports

Report is a visual representation of important data. It gives a clear picture about the status of a company, tasks, and helps managers to make important decisions.

Kovair users can create various types of graphical and non-graphical reports using system-defined and custom-defined fields of entities, tasks, timesheet, and users. Graphical and Non-Graphical reports help organizations to evaluate the quality of services, operations, service delivery, and distribution of IT assets/configuration items among customers.

## Report Types

### Tabular Report

The following is a Release Summary report showing the various information about the different Releases in a tabular format.

Title	Planned Start Date	Planned Finish Date	Actual Start Date	Actual Finish Date	Release Health	Release Progress
Release 1.0.0	03/29/2017	08/25/2017	03/29/2017	08/27/2017	Finished Late (2)	Completed (100%)
Release 1.0.5	11/05/2017	01/20/2018	11/05/2017	01/20/2018	Finished on Time (0)	Completed (100%)
Release 2.0.0	02/25/2018	03/10/2018	02/25/2018	03/11/2018	Finished Late (1)	Completed (100%)
Release 2.0.5	04/15/2018	06/21/2018	04/15/2018		Days Left (66)	In Progress ( 79%)

### Traceability Report

The Traceability Report offers a traceability type of view that are defined at the entity level showing the artifacts linked to one another in a hierarchical format. The image below shows a sample screenshot of a Traceability type report.

The screenshot shows a traceability report with a filter set to 'All Requirements'. The main table lists requirements, and several are expanded to show their relationships with functional requirements, test cases, test runs, and test steps.

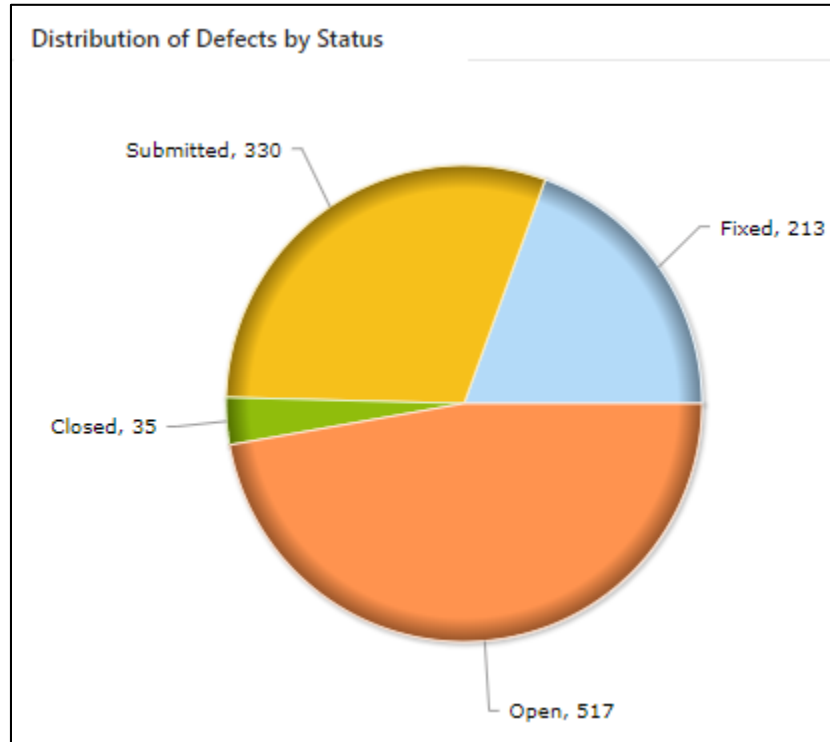
ID	Title	Status	Priority	Submitter	Submit Date			
235	Requirement for Task Settings	Ready for R...	High	Mark Wood	2018/08/20 10:21:00			
<b>Business Requirement to Functional Requirement</b>								
ID	Heading	Title	Prior...	Status	Test Case ...	Open Defects Count	Submitter	Submit Date
779	728	Functional Requirement for Task Settings	High	Not Started	Covered	1	Mark Wood	2018/08/20 10:21:00
<b>Functional Requirement to Test Cases</b>								
ID	Title	Submitter	Submit Date					
602	Test Case for Task Settings	Mark Wood	2018/08/20 10:22:00					
<b>Test Cases to Test Runs</b>								
Tool	ID	Title	Run Exec Status	Submitter	Submit Date			
	774	Test Run for Test Case for Task Settings - Run On 08/20/2018 12:55	Failed	Mark Wood	2018/08/20 10:25:00			
<b>Test Cases to Test Steps</b>								
ID	Title	Expected Result	Referred test Case					
1152	Tab View Test for Task Settings	Passed	Not Related					
1151	Performance Test for Task Setting	Passed	Not Related					

### Graphical Reports

#### Distribution Metrics Report

Distribution Metrics Report is a graphical type of report that implements graphical elements for displaying complex data analysis. The data here represents a distributed set of items based on certain criteria as specified during report creation.

The following report shows the distribution of statuses of Defects —



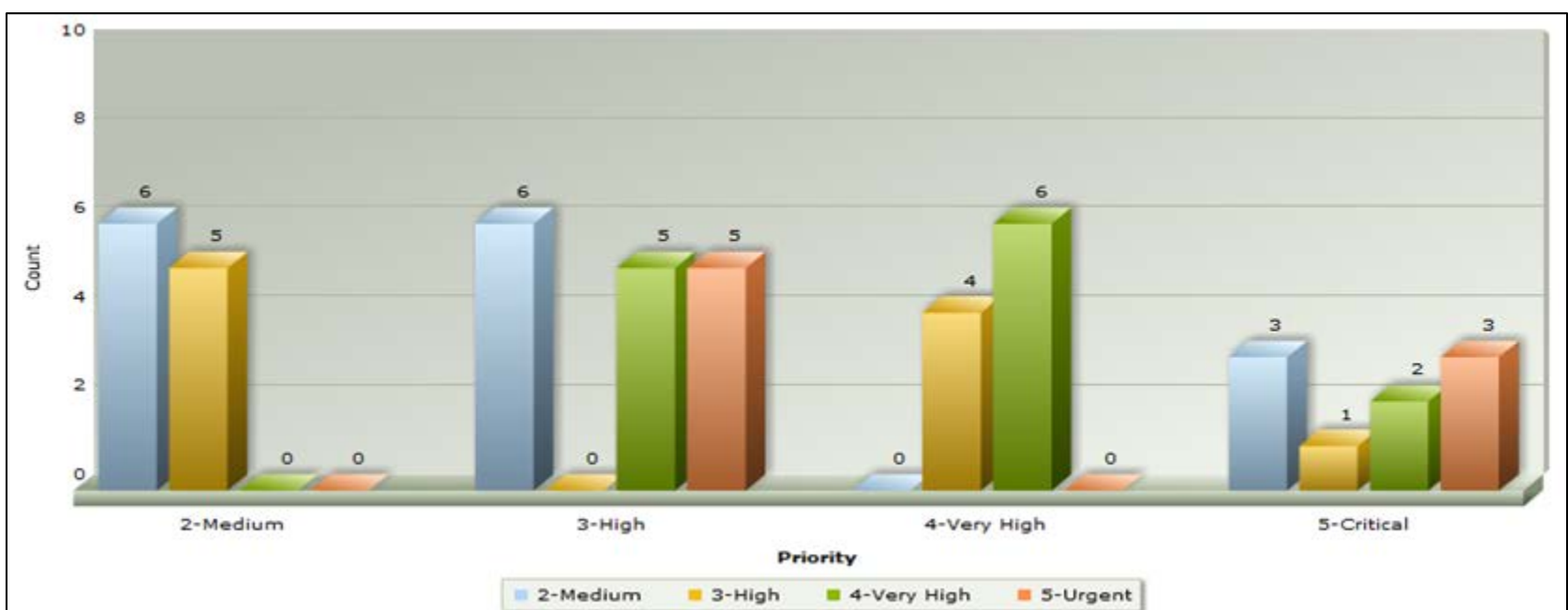
Please note that all graphical type of reports in Kovair support drill-down capabilities. Meaning, if the user wants to see which are the Defects that are currently in Open status, he can double click on the 'Open' Status sector on the pie chart and the list of 'Open' defects will be displayed in a pop-up window as shown in the following screenshot. The title of the Defects are links to the actual records. Users can navigate to the Defect form from where he can get to see more details about the selected Defect.

Total 517 item(s) retrieved		
ID	Title	Defect Status
2	<a href="#">Mandatory option is not working for fields</a>	Open
8	<a href="#">System error is getting generated in viewing a User record</a>	Open
9	<a href="#">Unable to login to the app with valid credentials</a>	Open
11	<a href="#">Wrong value is getting displayed in auto calculate fields</a>	Open
15	<a href="#">Field is not showing in the Object design section</a>	Open
17	<a href="#">Invalid message in the Login Page</a>	Open
31	<a href="#">Employee details page is throwing error</a>	Open
35	<a href="#">List page of employees is not getting populated</a>	Open
51	<a href="#">Employee details page is throwing error</a>	Open
52	<a href="#">Employee details page is throwing error</a>	Open

### Matrix Report

Matrix Report represents a **graphical type** of report used for displaying grouped data and summary information. A Matrix Report consists of both X Axis and Y Axis. Data in a Matrix Report can be evaluated only when values from both the X Axis and the Y Axis fields are taken into consideration.

The following matrix report shows a distribution of Requirements Importance over Priority —

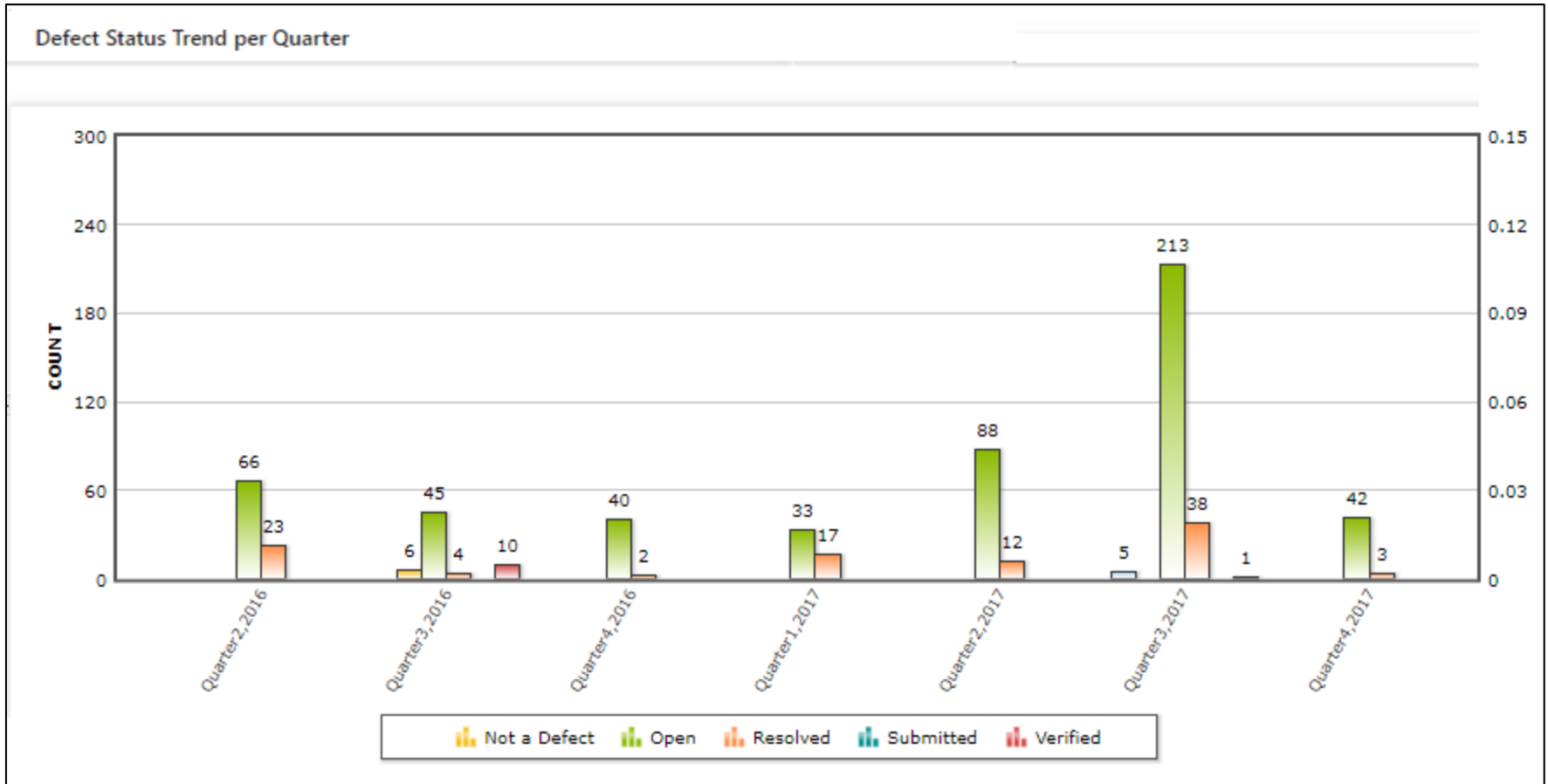


Just like the Distribution report, the Matrix report also supports drill down capabilities.

## Trend Report

The Trend Report is another type of **graphical report** used for trend analysis. This is done by plotting two fields along horizontal (X - Axis) and vertical (Y - Axis) directions. Along the X - Axis, the time period is measured by available 'Date' type fields and along the Y - Axis, 'Lookup' type fields values are taken for measuring the trend of selected lookup value(s) for the time period specified by 'X - Axis Configuration'.

The following Trend report shows Defect Status on a quarterly basis —



## Word Report

Kovair can integrate with Microsoft Word to create a Word Report. Users can define Word Report templates using Kovair MS Word Add-ons. The Word Report template can be uploaded in Kovair, which, on execution, is capable of extracting data from the Kovair database as per the template design.

Type: New Request / Enhancement	
<b>1. Functionality: Change Request 1</b>	
From: Finance Department	Requested On: 02/07/2018
To: TD(ICT)	
Access Permissions To: Project Manager, Developer	
Document Name	Description
HLD Template	HLD template.docx
SRS Template	SRS template.docx
<b>2. Functionality: Change Request 2</b>	
From: Finance Department	Requested On: 26/06/2018
To: TD(ICT)	
Access Permissions To: End Users, Technical HOD	
Document Name	Description
Flow Diagrams	modified flow diagrams.docx
Sample Form Designs	sample forms.doc
<b>3. Functionality: CR 1 on 06072018</b>	
From: Director Admin	Requested On: 07/06/2018
To: TD(ICT)	
Access Permissions To: Stakeholders	

## Template Report

Template Reports are pre-defined reports. These reports do not provide any options for customization. Users can create these reports based on specified parameters. For example, agile-specific reports like Sprint Burn-up chart and Sprint Burn-down Chart can be created using Template report.

## Control Chart

Control chart is a **Template** type predefined report. This type of report is mainly used in Kanban.

## Dashboards

In Kovair ALM Studio, Dashboards are formed by a group of reports that can be organized into a single interface for quick analysis. It helps in real-time tracking of important data.

Kovair users can design customized dashboards as per their needs. With appropriate administrative rights, users can create dashboards for quick and easy tracking of relevant information. You can view, edit, clone, and delete dashboards based on your needs and necessities. A dashboard can be assigned to individual users or groups as well.

The following is a screenshot of a Dashboard in Kovair showing the grouping of reports organized in multiple gadgets —

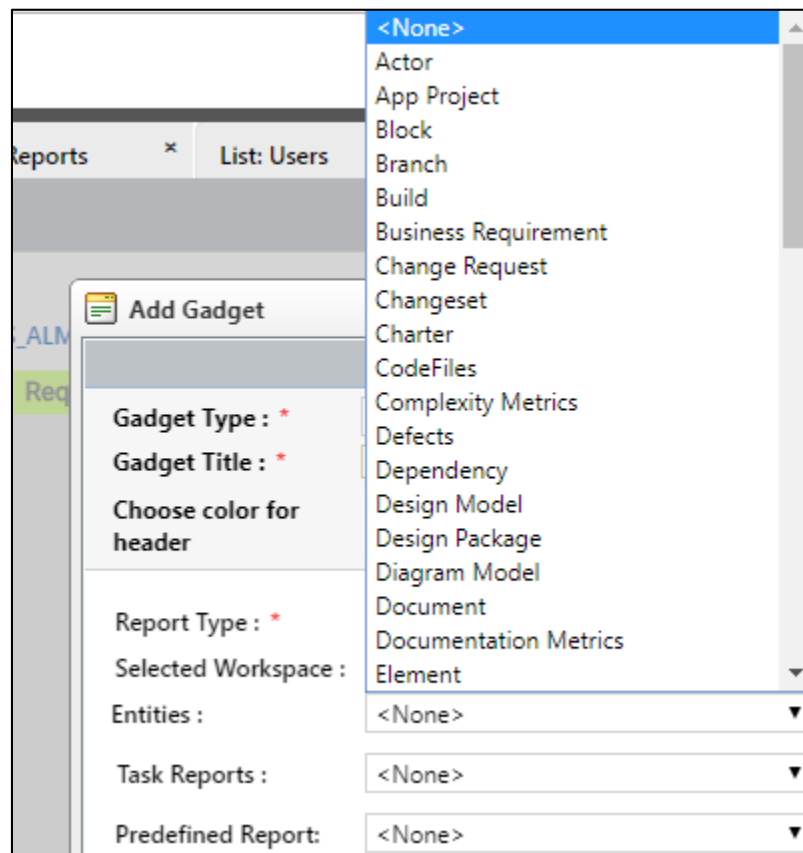
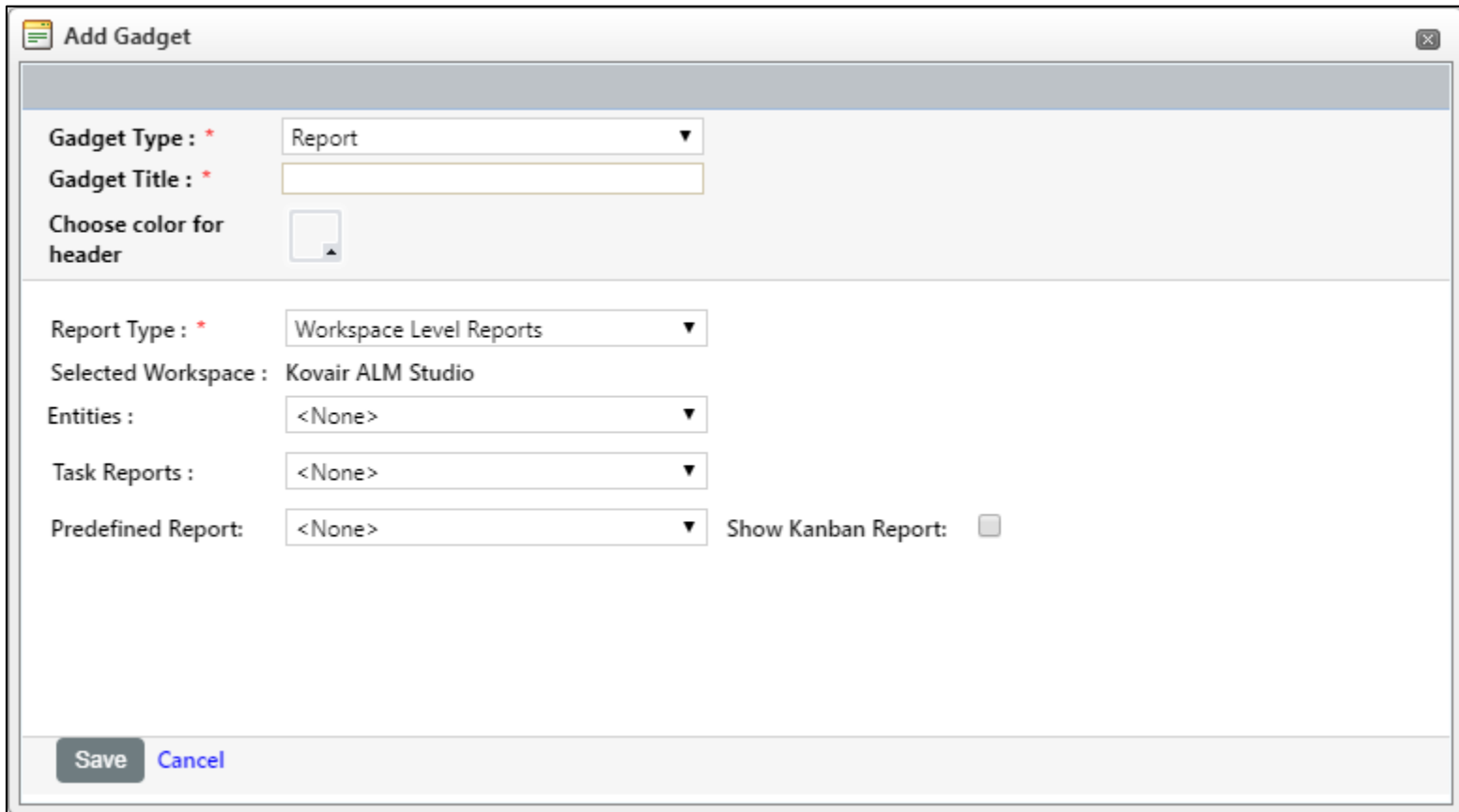


## How Reports can be included in Dashboards

Reports created under different entities in Kovair ALM Studio can be included into a dashboard through gadgets. Kovair Dashboard supports various gadget types. By selecting the gadget type as Report, one can select entity or task-specific reports into the gadget. One gadget can display one report at a time. Both graphical and textual reports can be referred into a gadget. Multiple gadgets can be created and included into a Dashboard to provide a single consolidated visibility for showing various reports from a single page.

One can add a report gadget from the Workspace mode, when creating a new dashboard or editing an existing one. Users can add a gadget from the **Dashboard Design** section.

The following two screenshots show that once you select Report as the Gadget Type, the entity-specific reports will be available accordingly. One can select an entity-specific report that can be added inside the gadget, to be displayed on the dashboard.



## Assigning Users or Groups to a Dashboard

A Dashboard can be assigned to a user or a group. This can be done from the Workspace mode from where the user can create a new dashboard or edit an existing one. When adding a new dashboard or editing an existing one, users will come across three tabs. It is the second tab — called the **'Assign Users and Groups'** tab — where a user or a group can be assigned.

The following screenshot shows the assignment of individual users to a dashboard —

1. Dashboard Info ✓

2. Assign Users and Groups ✓

3. Dashboard Design ✓

**Assign User(s)** Assign Groups

View: Custom View Filter: All Active Users

<input type="checkbox"/>	LoginID ▾	Active?	First Name	Last Name	Site
<input type="checkbox"/>	vg		Veronica	Galvez	kovair
<input type="checkbox"/>	tt		Tom	Tester	kovair
<input type="checkbox"/>	tim		Tim	Reviewer	kovair
<input type="checkbox"/>	superlite		Superlite	Superlite	kovair
<input type="checkbox"/>	sugatad		Sugata	Dutta	kovair
<input type="checkbox"/>	standard		Standard	Dummy	kovair

Previous Next Save & Finish Cancel

The following screenshot shows the assignment of Groups to a dashboard —

1. Dashboard Info ✓

2. Assign Users and Groups ✓

3. Dashboard Design ✓

Assign User(s) **Assign Groups**

AnalystsGroup

Managers Group

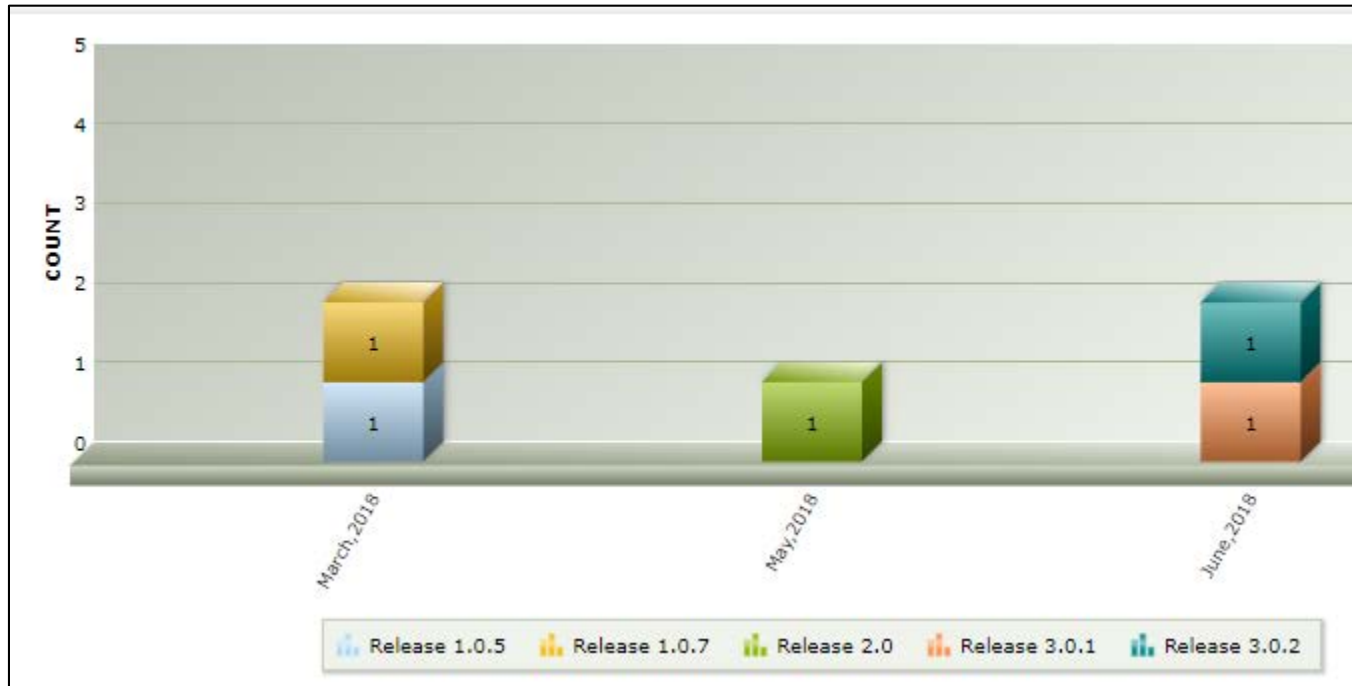
Previous Next Save & Finish Cancel

# Out-of-the-Box Reports

## Reports on DevOps

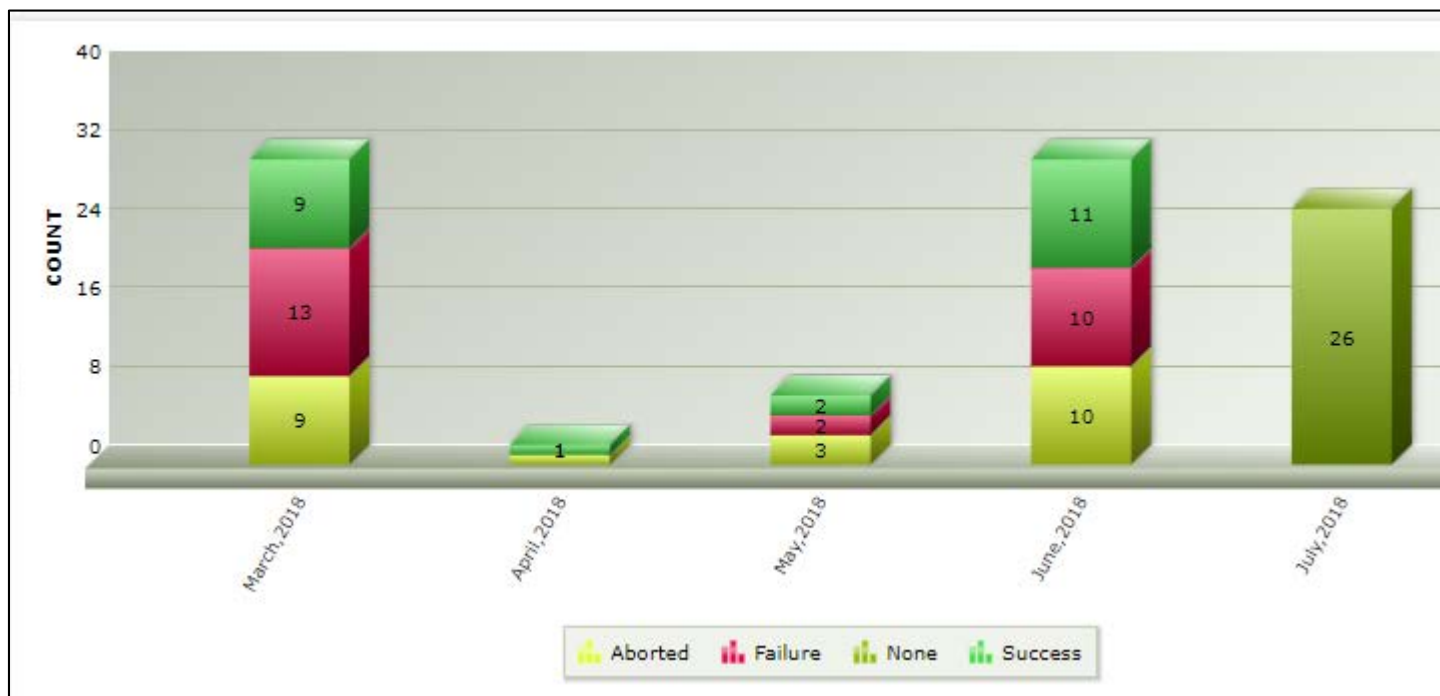
### Releases Per Month

The following report shows the number of releases distributed over time (monthly basis). Here, the X-Axis represents the monthly distribution and Y-Axis represents the number of releases.



### No. of Deployment Over Time

The following report shows the number of deployments distributed against time (monthly basis). Here X-Axis represents monthly distribution and the Y-Axis represents the number of deployments.



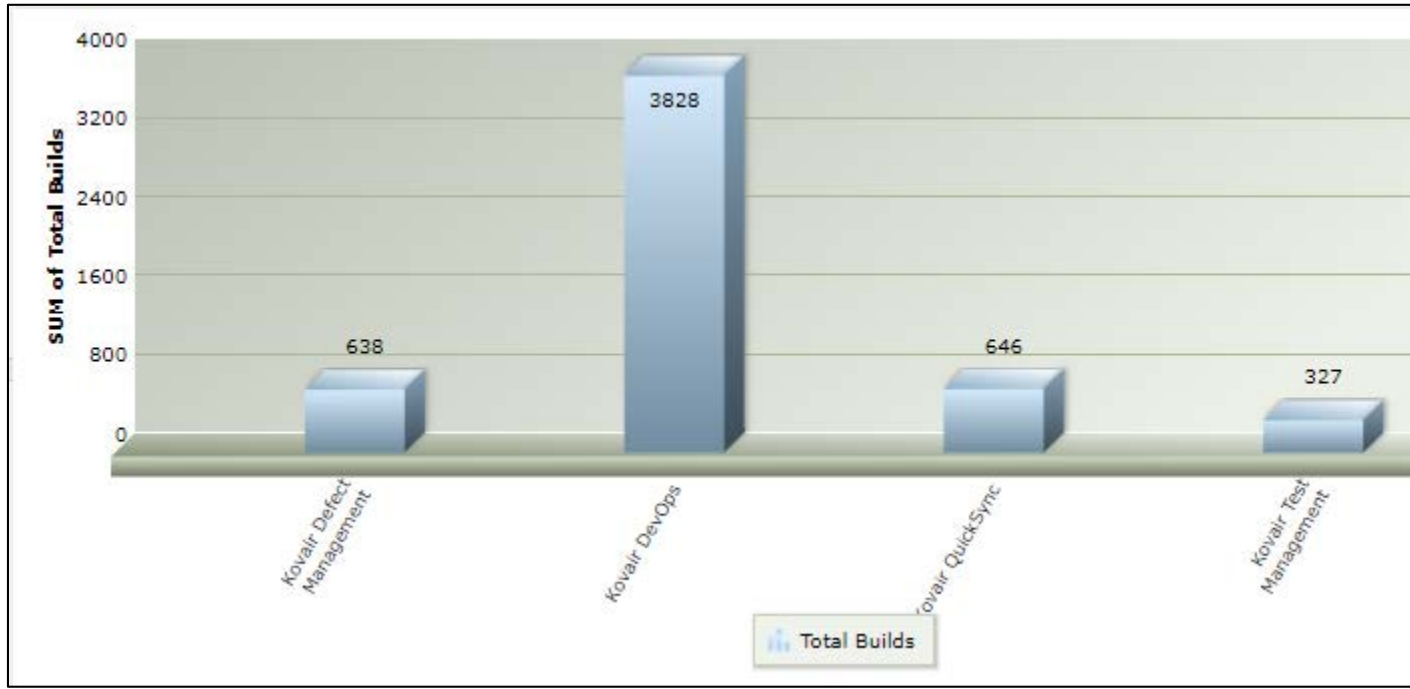
### Release Summary Report

The following report shows the list of Releases along with its Planned, Actual Start and Finish dates, health and progress of each.

Release Summary Report								
ID	Title	Planned Start Date	Planned Finish Date	Actual Start Date	Actual Finish Date	Release Health	Release Progress	Actual Release Duration
3	<a href="#">Release 1.0.5</a>	03/01/2018	03/16/2018	03/01/2018	03/16/2018	Finished on Time (0)	Completed (100%)	15
14	<a href="#">Release 1.0.7</a>	03/01/2018	03/30/2018	03/01/2018	03/31/2018	Finished Late (1)	Completed (100%)	30

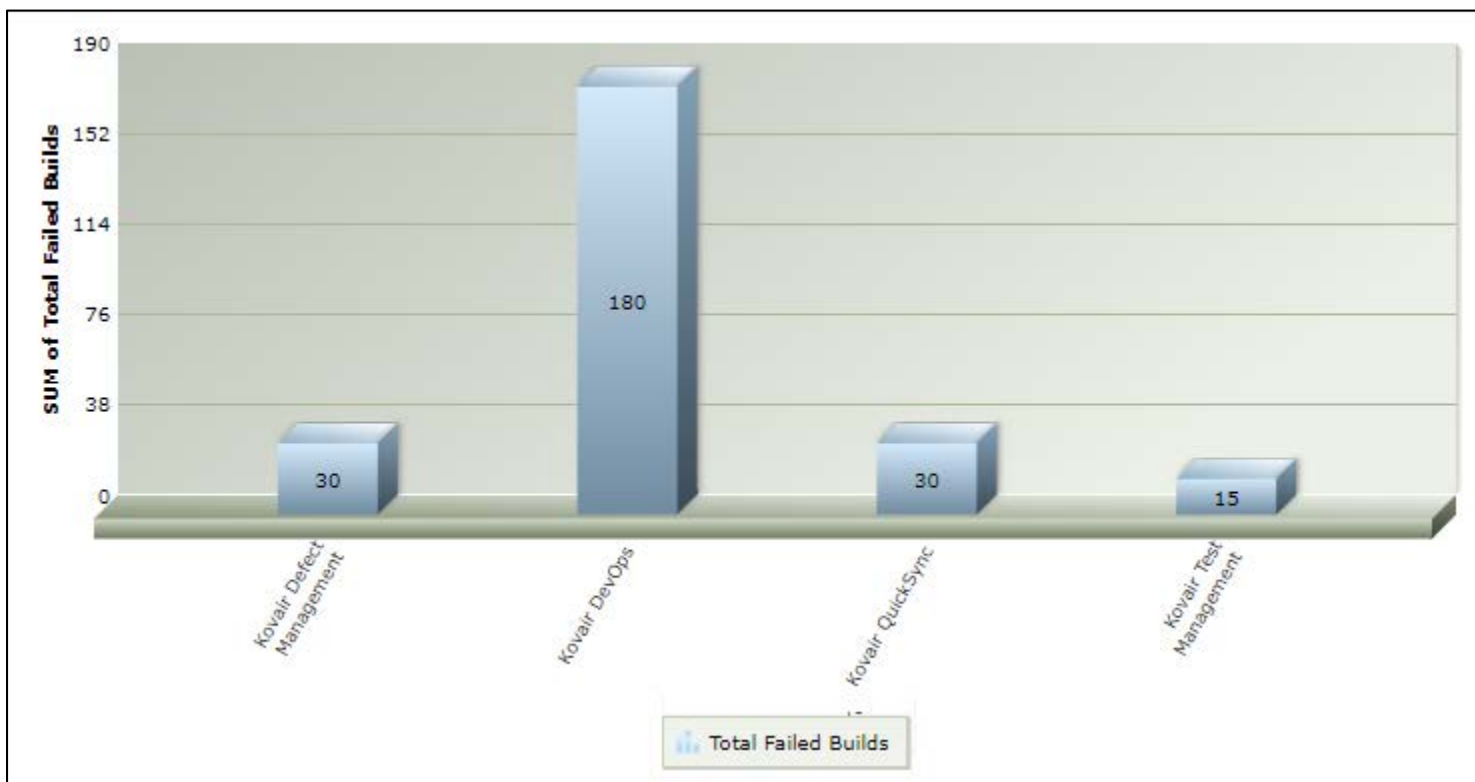
### Distribution of Builds per Application

The following report shows the number of builds done per environment —



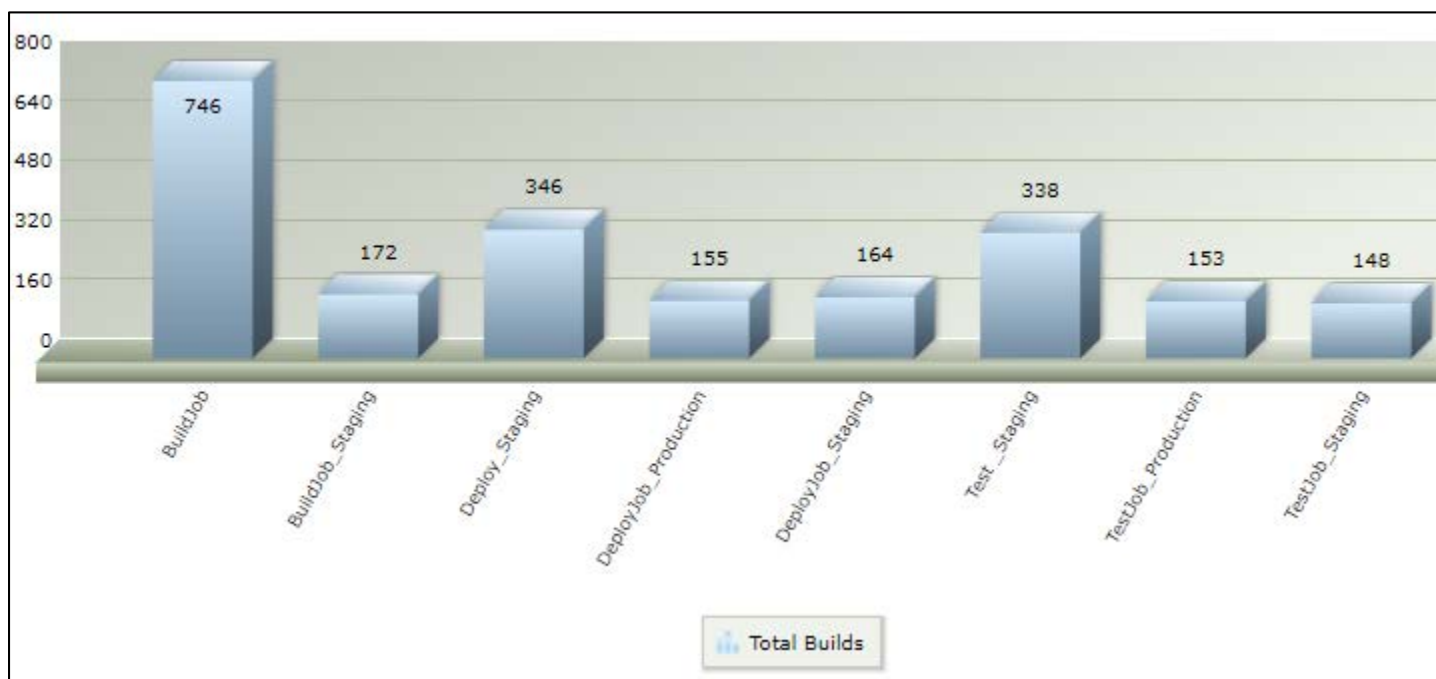
### Application with Failed Builds

The following report shows the number of failed builds for each application —

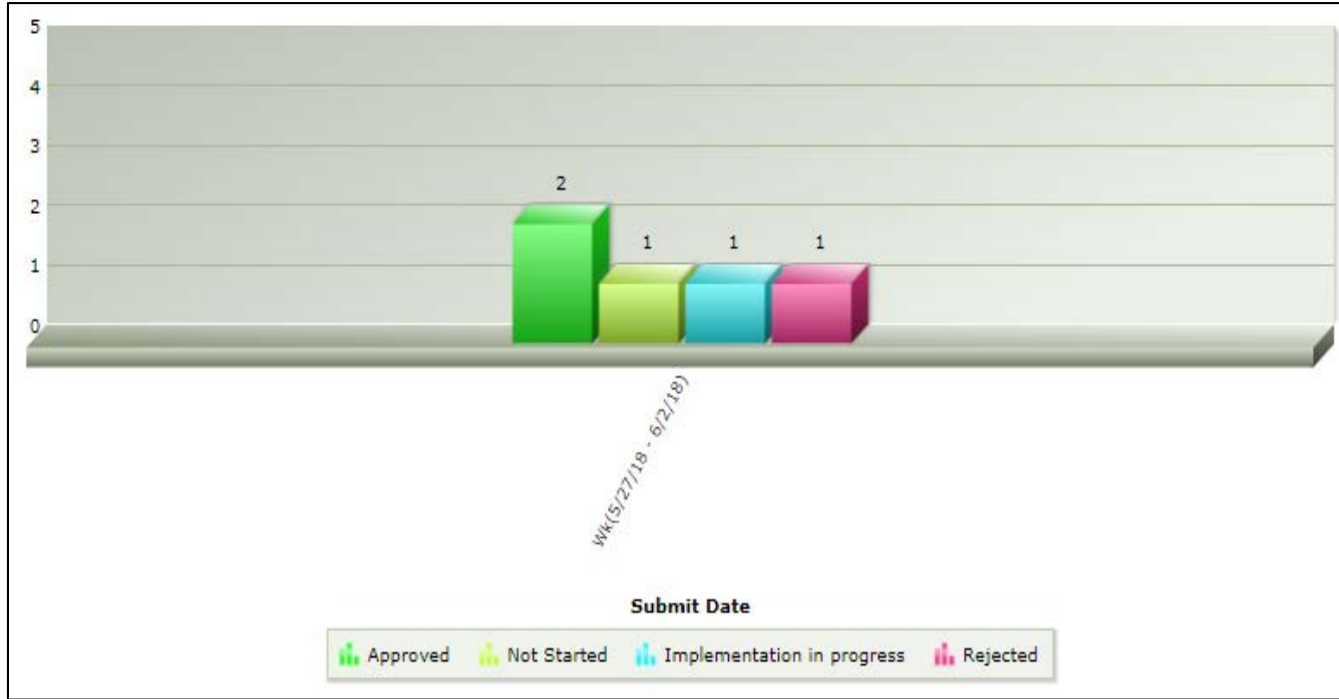


### Distribution of Builds Per Environment

The following report shows the number of builds triggered per environment —



## Release Status Report



## Release Efficiency

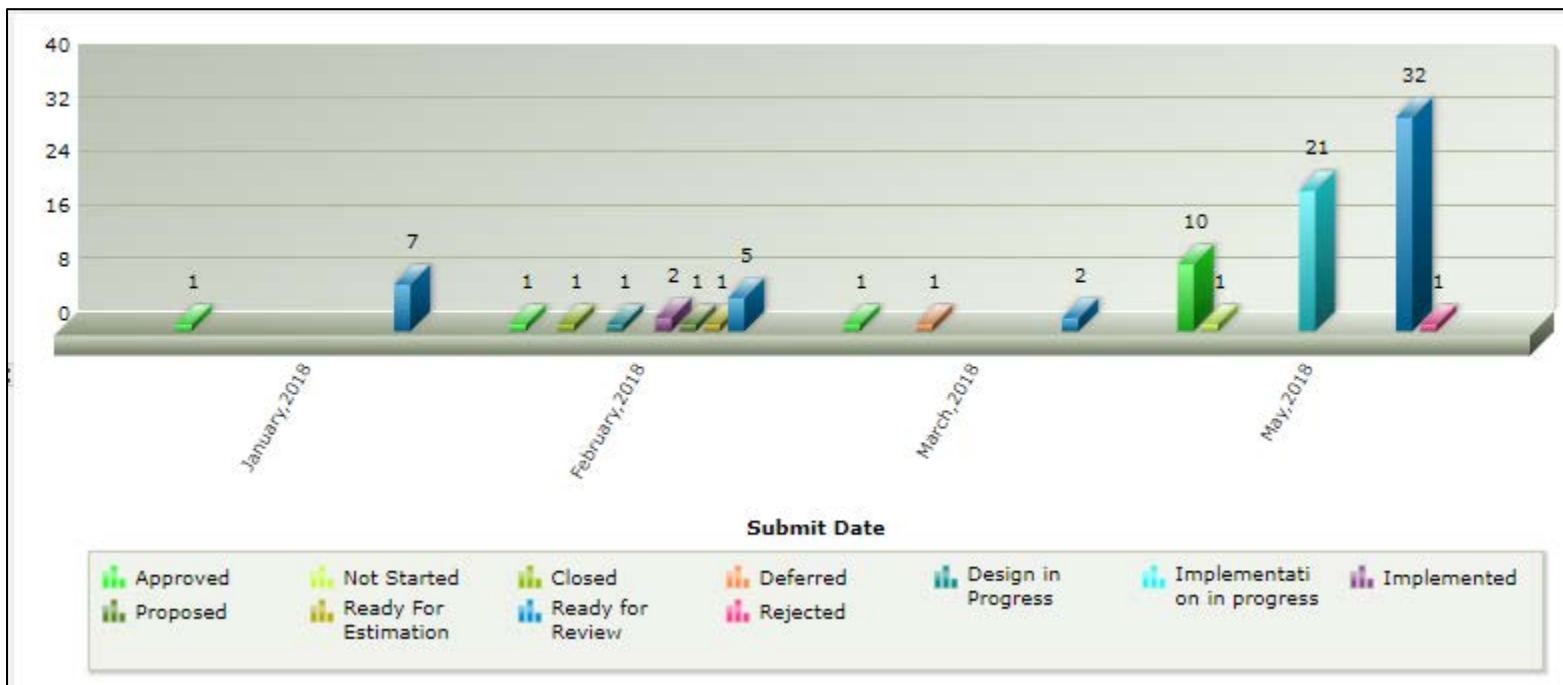
The following report shows the release efficiency percentage for each releases made —

Title	Release Efficiency in Percentage
Release 2.0.0	50
Release 1.0.0	100
Release 2.0.5	5
Release 1.0.5	50

## Reports on Requirements Management

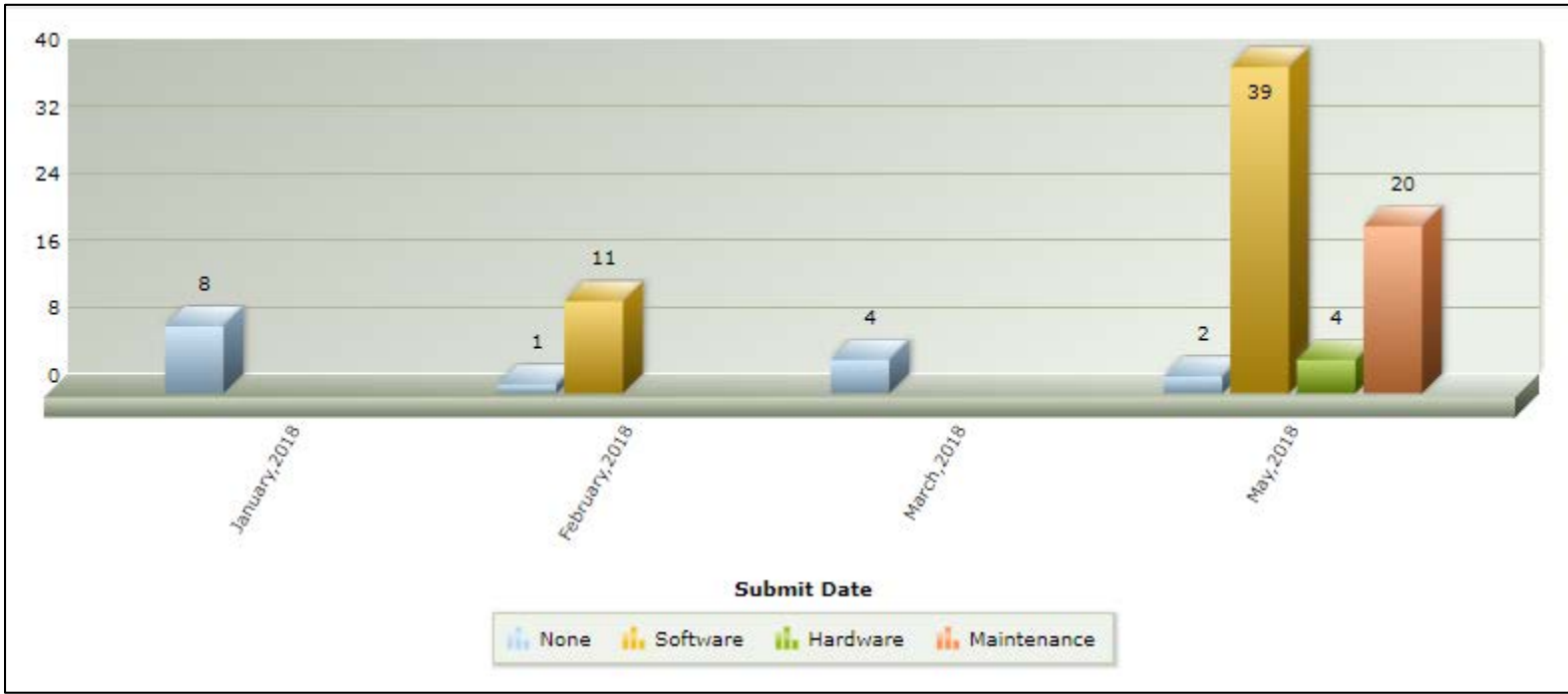
### Requirements Summary Graph

The following report shows the monthly distribution of Requirement Status —



## Requirements Submission Trend Graph by Requirement Types

The following report shows the montly trend of submitting different types of Requirements —



### Requirements Missing Test Cases Traceability

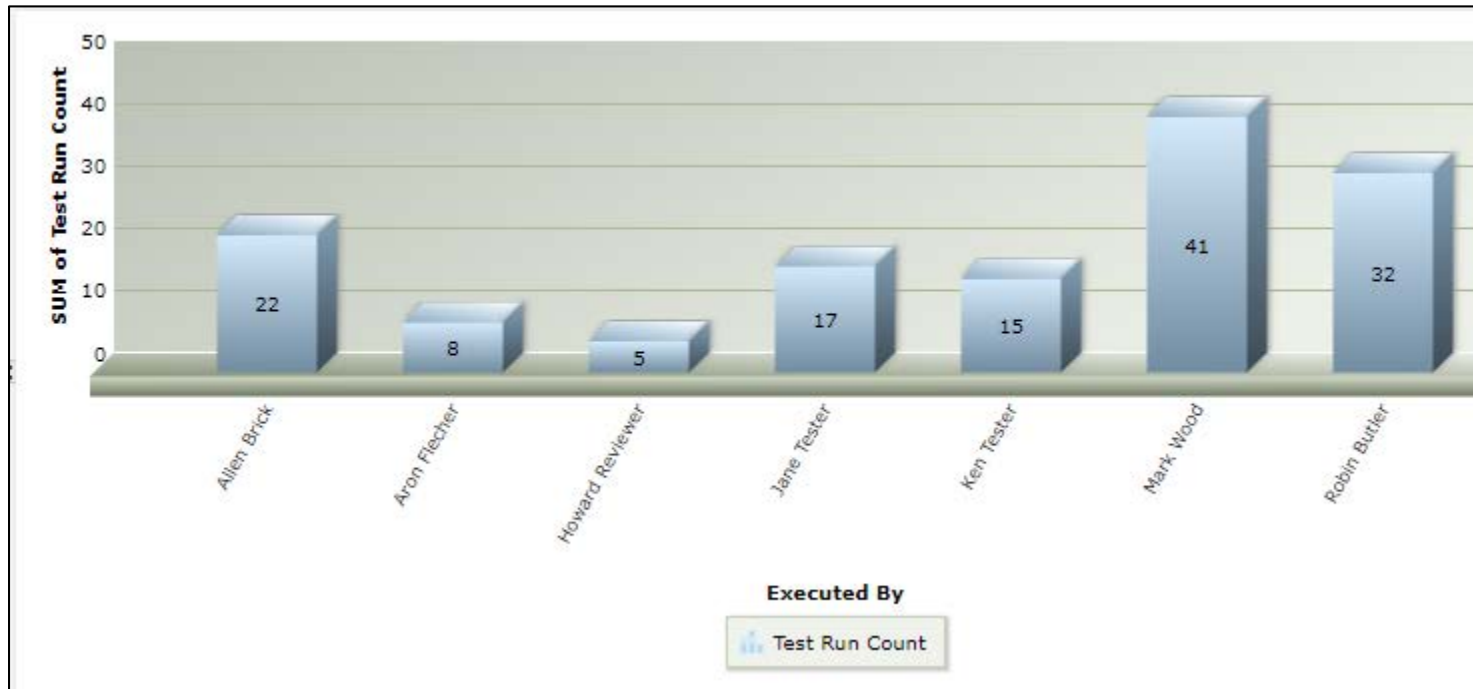
The following report shows the list of Functional Requirements which do not have any Test Cases linked to it —

ID	Title	Priority	Status	Link Status	Submitter	Submit Date
6	Update process	Low	Deferred	Not Linked	John Parker	07/09/2018 05:52
3	Determine impact parameters	Medium	Waiting On Input	Not Linked	John Parker	07/05/2018 05:52
2	Obtaining measurements from resonance...	Medium	Waiting On Input	Not Linked	John Parker	07/05/2018 05:50
1	Study the properties of Venus' upper atm...	High	In Progress	Not Linked	John Parker	07/05/2018 05:48

## Reports on Test Management

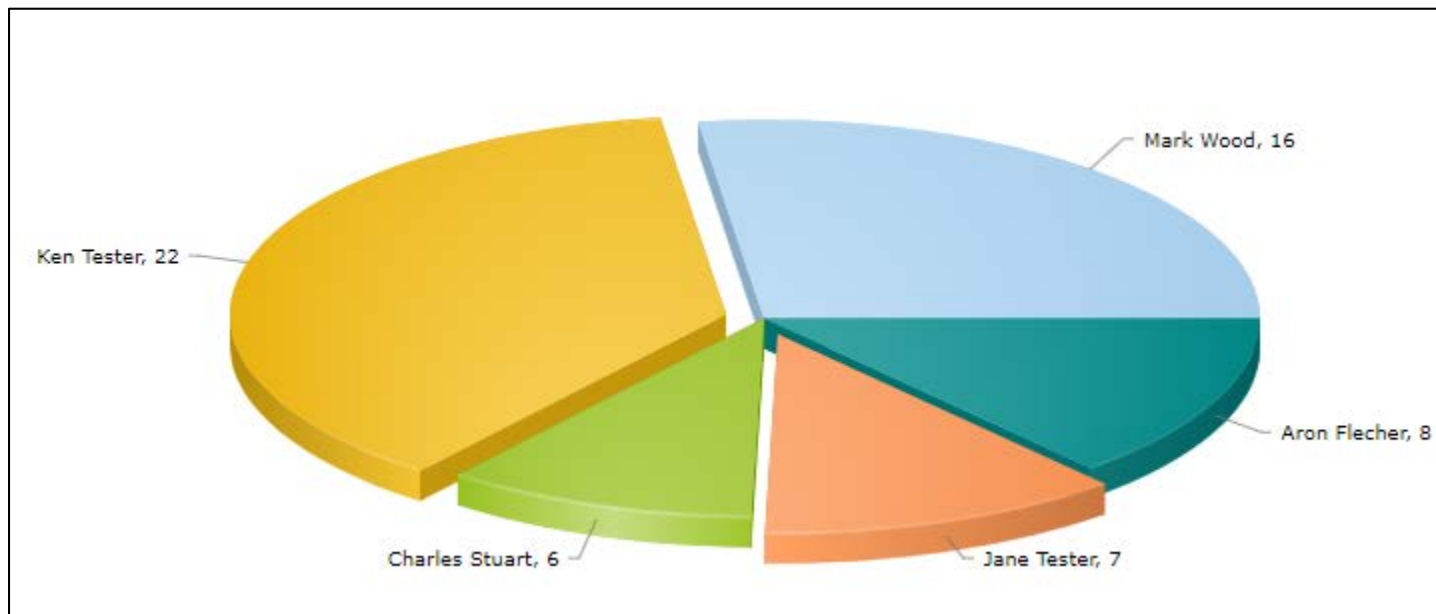
### Test Run Summary Graph

The following report shows the count of Test Runs conducted by different testers for a specified period —



### Test Case Distribution by Submitter

The following report shows the number of Test Cases submitted by the various testers within a specified period —



### Test Effectiveness

The following report shows the test effectiveness metric for a set of Business Requirements —

ID	Title	Test Executed...	Total Defects ...	Test Effectiveness
737	Requirement for Windows Ser...	0	1	0
736	Test Req for Dry Run 1	0	0	0
735	Power over Ethernet 802.3af / ...	1	0	0
734	Override of Automatic PTZ	0	0	0
733	Scene Movement Detection	0	0	0
732	Support for H .264 Video Enco...	0	0	0
731	Window Edge Snap	0	0	0
730	Power over Ethernet 802.3af / ...	1	0	0
729	Override of Automatic PTZ	0	0	0
728	Scene Movement Detection	0	0	0

Retrieved first 20. [More...](#)

### Test Execution by Status

The following report shows the monthly Test Execution statistics —



### Test Plan Detail

The following report shows a traceability report of the list of Test Plan and the list of Test Cases associated to it —

ID	Title	Execution ...	Submit Date
+ 1102	Test Plan For Req for Login Page	Passed	04/18/2018 7:21:00
+ 1101	Test Plan For Req for DR2	Passed	04/18/2018 6:21:00
+ 1100	Test Plan For Req added during DR1	Blocked	04/18/2018 4:41:00
- 1099	Test Plan For User_Req	Failed	04/18/2018 4:04:00

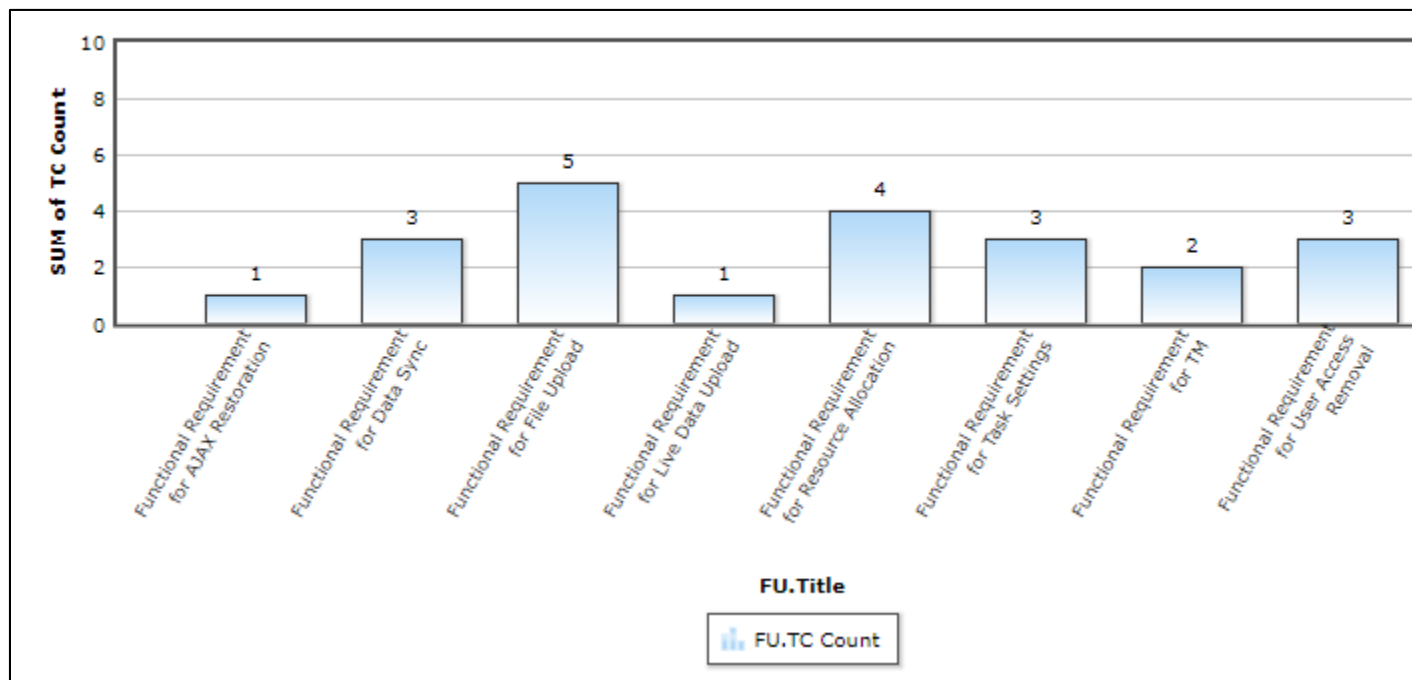
Test Plan to Test Cases									
ID	Title	Execution ...	Test Case Coverage	TAG	Total Defe...	Submit Date	Version	Executed By	Executed On
567	Test Case for Window Edge Snap	Failed	Failed - 1 ( 100.00% )		1	05/24/2018 6:...	1	Jane Tester	05/24/2018
566	Test Case for Support for H .26...	Passed	Passed - 1 ( 100.00% )		0	05/24/2018 6:...	1	Jane Tester	05/24/2018

ID	Title	Execution ...	Submit Date
+ 1098	Test Plan For Most Final	Blocked	04/18/2018 3:30:00

### Coverage of References

The following report shows the count of linked Test Cases with respect to a set of Functional Requirements —



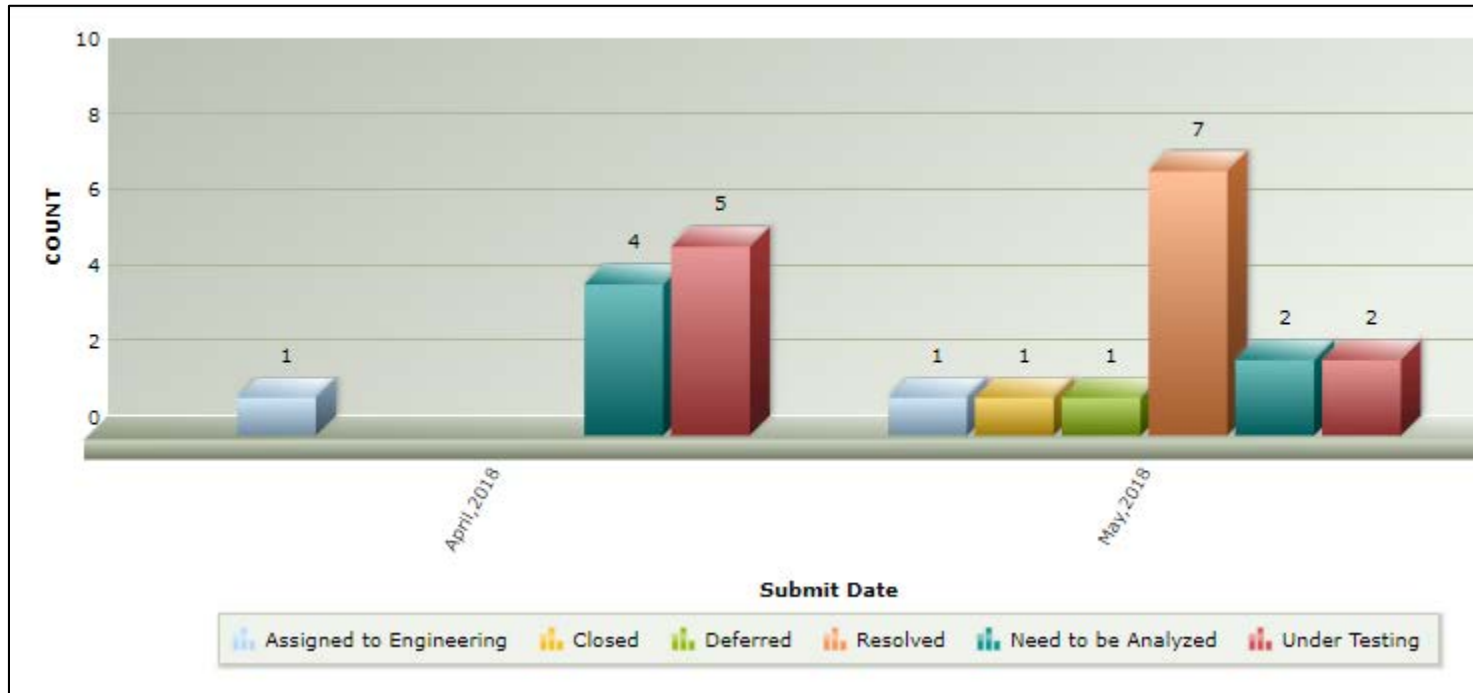
Drilling down, it shows all the linked Test Cases linked to the selected Functional Requirement

Total 5 item(s) retrieved		
ID	Title	Title
784	<a href="#">Functional Requirement for File Upload</a>	Test Case For Contact Us Page
784	<a href="#">Functional Requirement for File Upload</a>	Test Case for Memory Management
784	<a href="#">Functional Requirement for File Upload</a>	Test case 1 SK 16052016
784	<a href="#">Functional Requirement for File Upload</a>	Test case 3 sk
784	<a href="#">Functional Requirement for File Upload</a>	Test Case TCS

## Reports on Defect Management

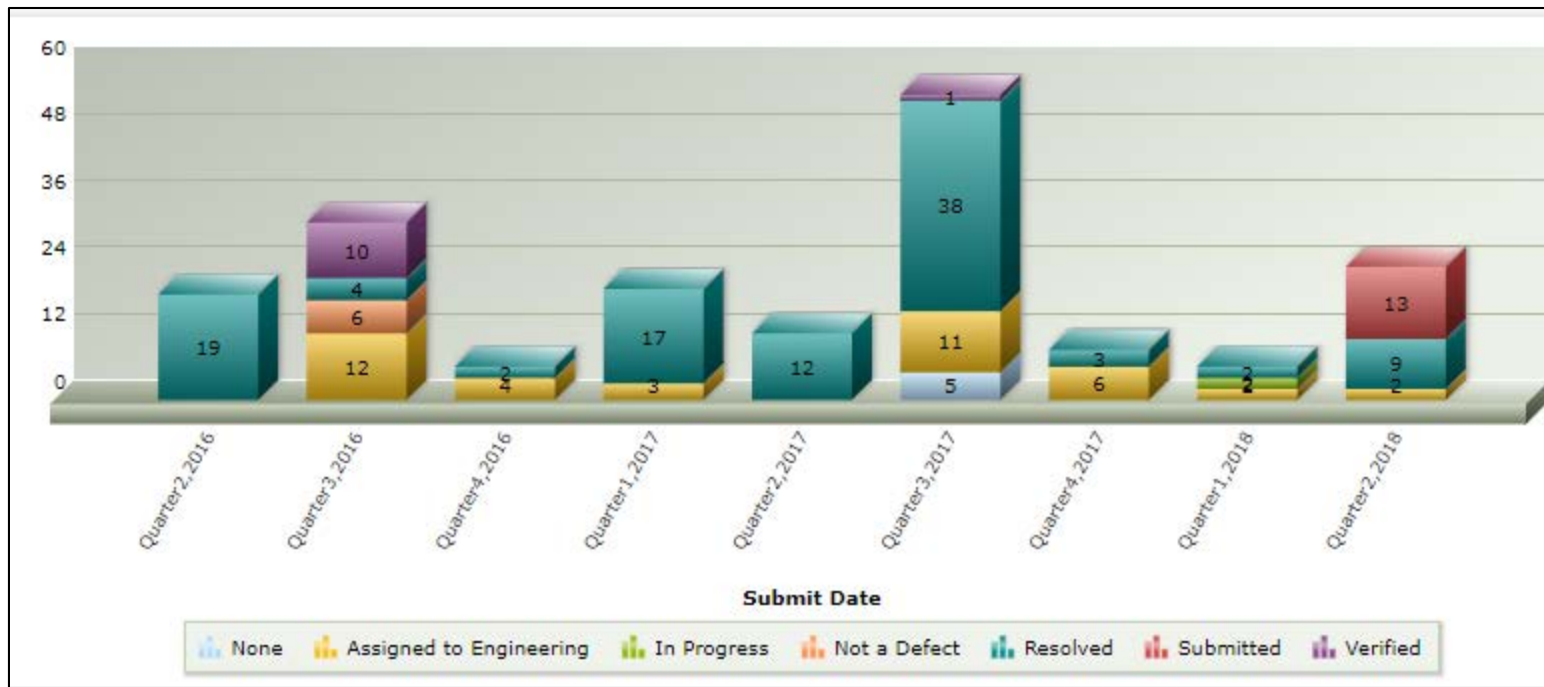
### Iteration Defect by State

The following report shows the monthly distribution of Defects State with respect to an Iteration (Sprint) —



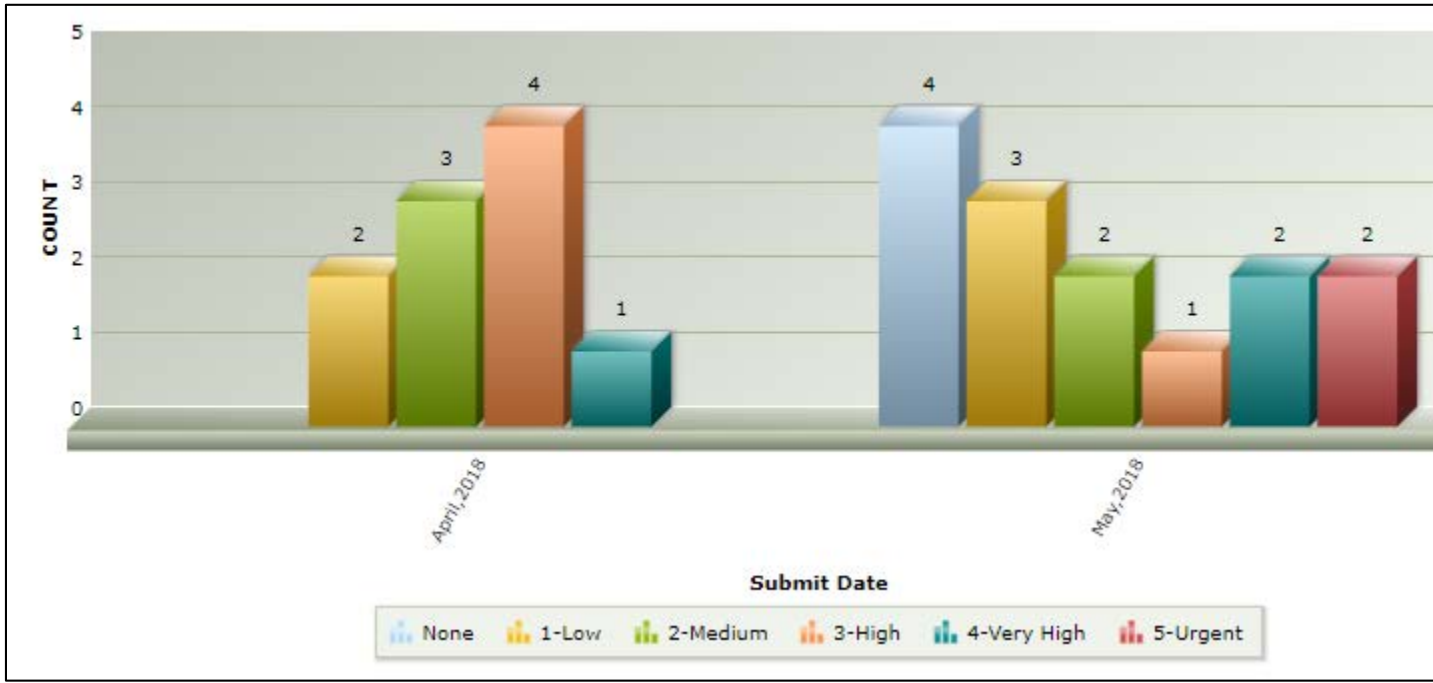
### Quarterly Statistics of Defect Status

The following report shows the quarterly statistics of Defects Status within a specified date range —



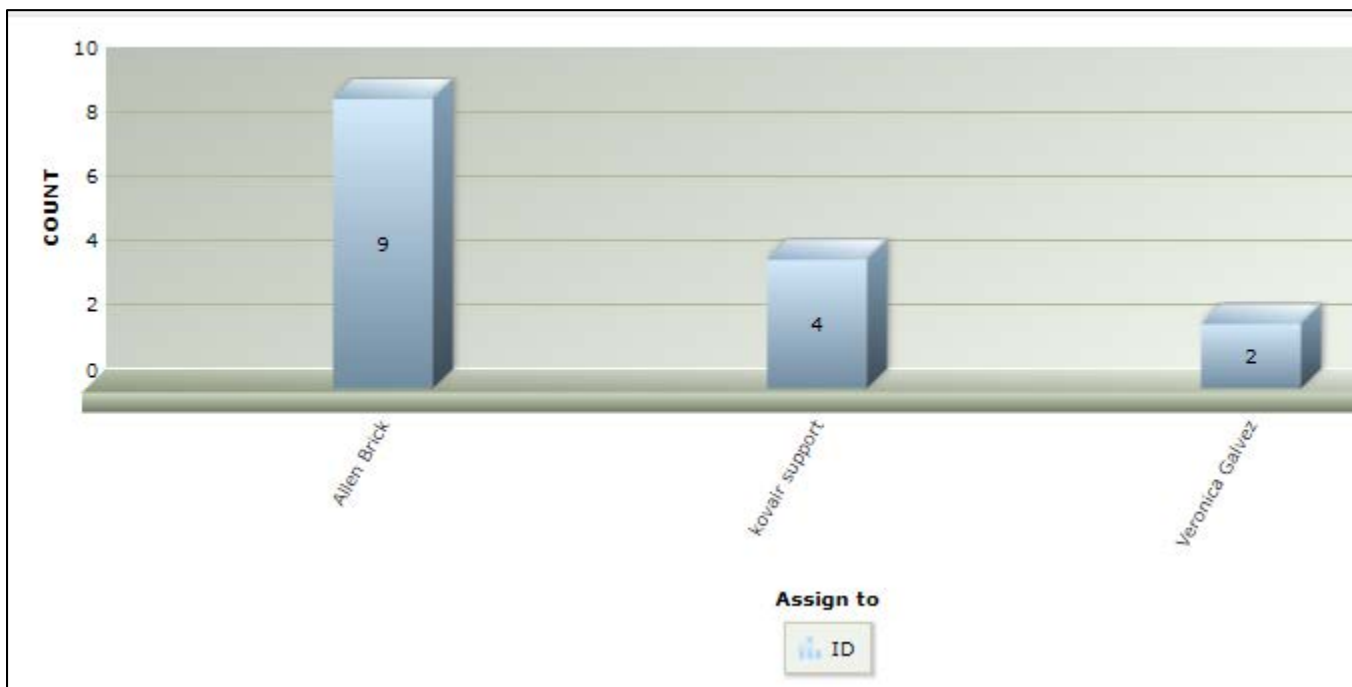
### Iteration Defect by Priority

The following report shows the monthly distribution of Defects Priority with respect to an Iteration (Sprint) —



### Defect Summary Graph

The following report shows the distribution of Defects submitted by the Submitter. On drilling down, one can see the name of the user to whom the Defect has been assigned.



Total 9 item(s) retrieved

ID	Title	Assign to
684	<a href="#">Defect created due to Failure of Test Case AC - Run On - 11/20/2017 07:49:00</a>	Avantika Chatterjee
687	<a href="#">Defect created due to Failure of Test Case for User story 6285 - Run On - 11/20/2017 13:01:00</a>	Avantika Chatterjee
688	<a href="#">Defect created due to Failure of Test Case AC1 - Run On - 11/20/2017 13:54:00</a>	Avantika Chatterjee
689	<a href="#">Defect created due to Failure of Test case for login page - Run On - 11/20/2017 15:17:00</a>	Avantika Chatterjee

### Defect Progress Graph

The following report shows the accumulation of defects in a project, or the estimated/actual amount of time taken to fix these defects —

