

Integration with easyBI



easyBI is a powerful add-on for Jira Server and Jira Cloud, providing easy-to-use drag-and-drop creation of custom reports, charts, and dashboard gadgets. It allows you to import your data from Jira Software, Jira Service Desk, Tempo Timesheets, Xray and other popular add-ons. It also enables you to visualize and analyze all your data using many chart types.

The integration with Xray was [added](#) in easyBI's v4.2 release.



Learn more

For more information, please take a look at [easyBI's documentation](#), which includes some ready-to-use examples.

- [How to use](#)
 - [Importing Xray's Data](#)
- [Examples](#)
 - [Overall Test Run results](#)
 - [Top Defects report](#)
 - [Test Burn-Down / Test evolution chart](#)
 - [Test Plan Board](#)
 - [Test Runs and defects per folder](#)
 - [Test Run Statistics](#)
 - [Time Tracking](#)
 - [Tests estimated time comparison with elapsed time](#)
 - [Compare estimated Test time vs Test Run elapsed time, between Test Executions](#)
 - [Requirement coverage](#)
- [Report Dashboards](#)
- [Learn more](#)

How to use

To take advantage of easyBI features, you don't need to do anything in Xray. The integration is done at easyBI's side by processing Xray's internal data; you just need to use an updated version of easyBI (i.e., 4.2.0 or later).

Importing Xray's Data

easyBI will automatically detect if you have Xray installed and give you an additional option in easyBI's Jira Import settings. When you enable it, a few dozen new [Xray dimensions and measures](#) will be imported.

Xray

- ☒ Import Xray test sets and execution results. Additional Xray dimensions and measures will be imported. Read more about Xray import in [Xray Test Management documentation](#).

You're also able to import custom fields, such as Test Environments. First, you have to configure the custom field mappings as mentioned in [easyBI's documentation](#). In order to obtain the custom fields IDs, go to **Jira's administration > Issues > Custom fields**.

Examples

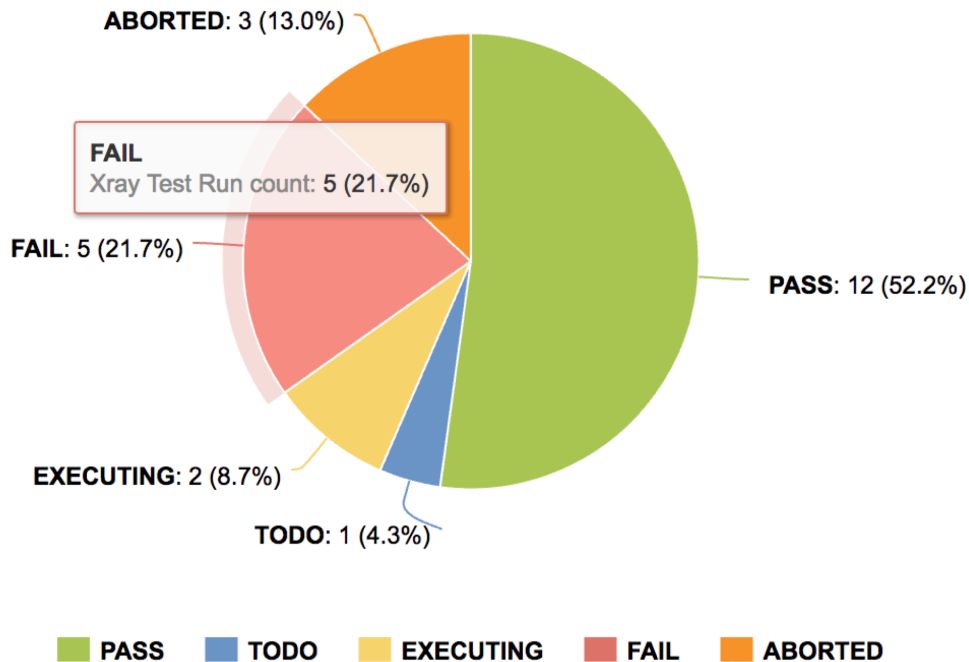
Some of these reports may be available when you install easyBI.

For the specifics of each report, please see [easyBI's documentation](#).

Overall Test Run results

	PASS	TODO	EXECUTING	FAIL	ABORTED	Total
Xray Test Run count	12	1	2	5	3	23
Xray Test Run count %	52%	4%	9%	22%	13%	100%

Xray Test Run count: 23



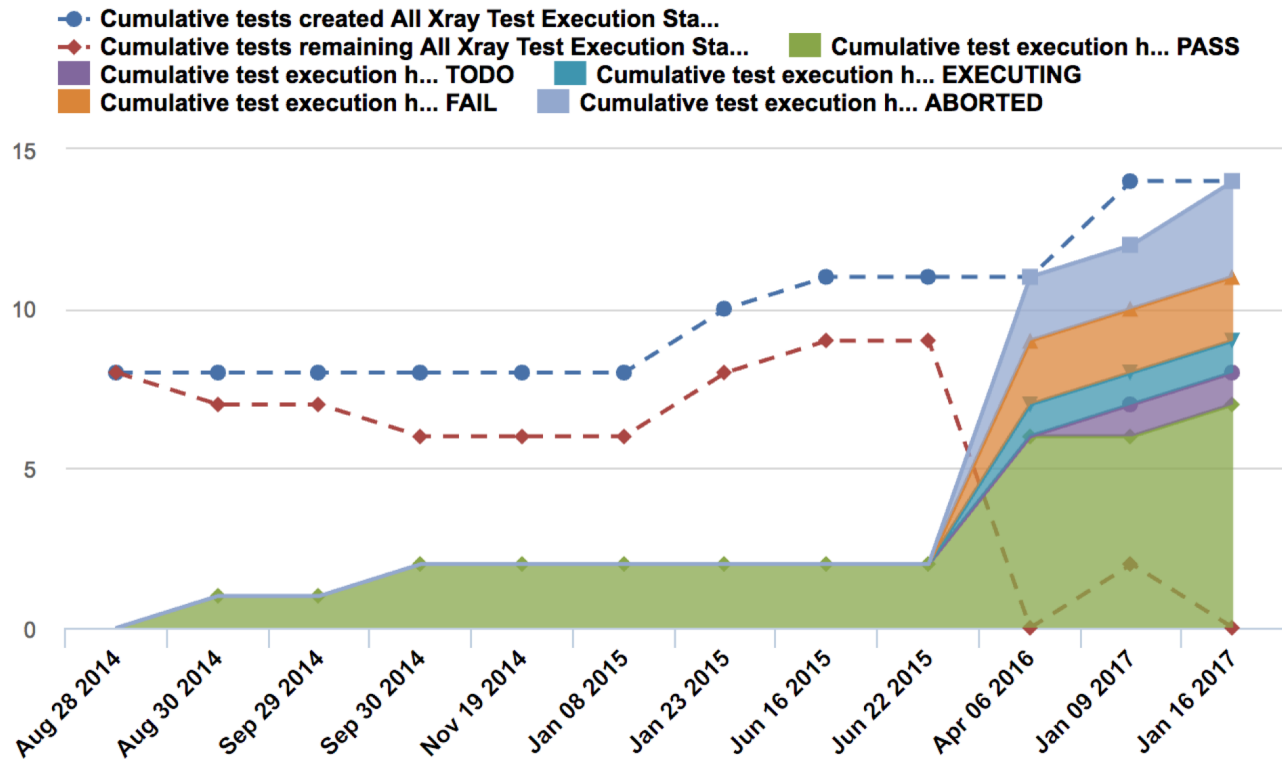
Top Defects report

All Fix Versions ▾

All Xray Test Environments ▾

	Xray defect status	Xray defect created	Xray defect assignee	Xray Tests executed ▾
CALC-98 Defect in resize	Open	2017-01-30 22:38:38	Administrator	2
CALC-99 Missing parentheses detected	Open	2017-01-30 22:39:08	Administrator	1

Test Burn-Down / Test evolution chart



Test Plan Board

Test Runs and defects per folder

Aim: analyse the amount of runs and defects for the Tests contained within each Board's folder.

		Xray Tests Run count	Distinct reported defect count
– CALC-1650 example test plan	+ security	1,206	
	+ folder1	90,056	
	– components	4,231	
	components	201	
	components/UI	2,020	
	components/core	2,010	
– CALC-1702 all my relevant tests for v3.0	+ arithmetic	10	1
– CALC-1712 all my relevant tests for v3.0	– arithmetic related tests	10	1
	arithmetic related tests	10	1
– CALC-1716 all my relevant tests for v3.0	+ (Orphans)	21	
– CALC-1729 all my relevant tests for v3.0	+ features	18	
– CALC-1730 test plan2 created from the repository	– New Folder	3	
New Folder		3	
– CALC-1730 test plan2 created from the repository	+ arithmetic related tests	7	
– CALC-1735 CLONE - all my relevant tests for v3.0	– UI	23	
	UI	11	
	UI/New Folder	12	
	+ core	11	1

eazyBI report definition

```
{
  "cube_name": "Issues",
  "cube_reports": [ {
    "name": "Test Plan Board: Runs and Defects",
    "folder_name": "For S\u00e9rgio",
    "result_view": "table",
    "definition": { "columns": { "dimensions": [ { "name": "Measures", "selected_set": [ [ Measures ]. [ Xray Tests Run count ], [ Measures ]. [ Distinct reported defect count ] }, { "members": [ ] } ] }, "rows": { "dimensions": [ { "name": "Xray Test Plan", "selected_set": [ [ Xray Test Plan. Test Plan Board ]. [ Plan ]. Members ], "members": [ { "depth": 2, "name": "CALC-1011", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1011 ] ", "drillable": true, "key": "CALC-1011", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1021", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1021 ] ", "drillable": true, "key": "CALC-1021", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 3, "name": "(Orphans)", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1021 ] ". [ (Orphans) ] ", "drillable": true, "key": "(Orphans)", "parent_key": "CALC-1021", "expanded": true, "drilled_into": false, "parent_full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1021 ] ", { "depth": 2, "name": "CALC-1033", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1033 ] ", "drillable": true, "key": "CALC-1033", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1043", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1043 ] ", "drillable": true, "key": "CALC-1043", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1053", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1053 ] ", "drillable": true, "key": "CALC-1053", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1064", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1064 ] ", "drillable": true, "key": "CALC-1064", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1069", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1069 ] ", "drillable": true, "key": "CALC-1069", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1078", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1078 ] ", "drillable": true, "key": "CALC-1078", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1088", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1088 ] ", "drillable": true, "key": "CALC-1088", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1159", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1159 ] ", "drillable": true, "key": "CALC-1159", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] ", { "depth": 2, "name": "CALC-1174", "full_name": " [ Xray Test Plan. Test Plan Board ]. [ Calculator ]. [ CALC-1174 ] ", "drillable": true, "key": "CALC-1174", "expanded": true, "drilled_into": true, "drill_level": " [ Xray Test Plan. Test Plan Board ]. [ Folder ] " } } } } } } }
```

[illegible]

```
drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":2,"name":"CALC-1626",  
full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1626]","drillable":true,"key":"CALC-1626",  
expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":2,"  
name":"CALC-1650", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1650]","drillable":true,"  
key":"CALC-1650", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"},  
{"depth":3,"name":"components", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1650].  
[components]","drillable":true,"key":"components", "parent_key":"CALC-1650", "expanded":true,"drilled_into":  
false,"parent_full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1650]"}, {"depth":2,"name":"CALC-  
1702", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1702]","drillable":true,"key":"CALC-  
1702", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":  
2,"name":"CALC-1712", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1712]","drillable":true,"  
key":"CALC-1712", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"},  
{"depth":3,"name":"arithmetic related tests", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-  
1712].[arithmetic related tests]","drillable":true,"key":"arithmetic related tests", "parent_key":"CALC-1712", "  
expanded":true,"drilled_into":false,"parent_full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-  
1712]"}, {"depth":2,"name":"CALC-1716", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1716]","  
drillable":true,"key":"CALC-1716", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan  
Board].[Folder]"}, {"depth":2,"name":"CALC-1729", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].  
[CALC-1729]","drillable":true,"key":"CALC-1729", "expanded":true,"drilled_into":true,"drill_level":["Xray Test  
Plan.Test Plan Board].[Folder]"}, {"depth":2,"name":"CALC-1730", "full_name":["Xray Test Plan.Test Plan Board].  
[Calculator].[CALC-1730]","drillable":true,"key":"CALC-1730", "expanded":true,"drilled_into":true,"drill_level":["  
Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":3,"name":"New Folder", "full_name":["Xray Test Plan.Test  
Plan Board].[Calculator].[CALC-1730].[New Folder]","drillable":true,"key":"New Folder", "parent_key":"CALC-  
1730", "expanded":true,"drilled_into":false,"parent_full_name":["Xray Test Plan.Test Plan Board].[Calculator].  
[CALC-1730]"}, {"depth":2,"name":"CALC-1735", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-  
1735]","drillable":true,"key":"CALC-1735", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.  
Test Plan Board].[Folder]"}, {"depth":3,"name":"UI", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].  
[CALC-1735].[UI]","drillable":true,"key":"UI", "parent_key":"CALC-1735", "expanded":true,"drilled_into":false,"  
parent_full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1735]"}, {"depth":2,"name":"CALC-1906", "  
full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1906]","drillable":true,"key":"CALC-1906", "  
expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":3,"  
name":"arithmetic related tests", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1906].  
[arithmetic related tests]","drillable":true,"key":"arithmetic related tests", "parent_key":"CALC-1906", "  
expanded":true,"drilled_into":false,"parent_full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-  
1906]"}, {"depth":2,"name":"CALC-1916", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-1916]","  
drillable":true,"key":"CALC-1916", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan  
Board].[Folder]"}, {"depth":2,"name":"CALC-843", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-  
843]","drillable":true,"key":"CALC-843", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test  
Plan Board].[Folder]"}, {"depth":2,"name":"CALC-895", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].  
[CALC-895]","drillable":true,"key":"CALC-895", "expanded":true,"drilled_into":true,"drill_level":["Xray Test  
Plan.Test Plan Board].[Folder]"}, {"depth":2,"name":"CALC-905", "full_name":["Xray Test Plan.Test Plan Board].  
[Calculator].[CALC-905]","drillable":true,"key":"CALC-905", "expanded":true,"drilled_into":true,"drill_level":["  
Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":2,"name":"CALC-918", "full_name":["Xray Test Plan.Test Plan  
Board].[Calculator].[CALC-918]","drillable":true,"key":"CALC-918", "expanded":true,"drilled_into":true,"  
drill_level":["Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":2,"name":"CALC-928", "full_name":["Xray Test  
Plan.Test Plan Board].[Calculator].[CALC-928]","drillable":true,"key":"CALC-928", "expanded":true,"drilled_into":  
true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":2,"name":"CALC-938", "full_name":["Xray  
Test Plan.Test Plan Board].[Calculator].[CALC-938]","drillable":true,"key":"CALC-938", "expanded":true,"  
drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":2,"name":"CALC-948", "  
full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-948]","drillable":true,"key":"CALC-948", "  
expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"}, {"depth":2,"  
name":"CALC-958", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-958]","drillable":true,"key":  
"CALC-958", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].[Folder]"},  
{"depth":2,"name":"CALC-968", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-968]","drillable":  
true,"key":"CALC-968", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan Board].  
[Folder]"}, {"depth":2,"name":"CALC-979", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-979]","  
drillable":true,"key":"CALC-979", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test Plan  
Board].[Folder]"}, {"depth":2,"name":"CALC-989", "full_name":["Xray Test Plan.Test Plan Board].[Calculator].[CALC-  
989]","drillable":true,"key":"CALC-989", "expanded":true,"drilled_into":true,"drill_level":["Xray Test Plan.Test  
Plan Board].[Folder]"}], "bookmarked_members": [], "nonempty_crossjoin": true, "pages": {"dimensions": [{"name": "  
Fix Version", "selected_set": ["[Fix Version].[All Fix Versions]"], "members": [{"depth": 0, "name": "All Fix  
Versions", "full_name": ["[Fix Version].[All Fix Versions]"], "drillable": true, "type": "all", "expanded": true, "  
drilled_into": false}, {"depth": 1, "name": "Calculator", "full_name": ["[Fix Version].[Calculator]"], "drillable": true, "  
key": "CALC", "expanded": true,"drilled_into": false, "parent_full_name": ["[Fix Version].[All Fix Versions]"],  
{"depth": 2, "name": "Unreleased", "full_name": ["[Fix Version].[Calculator].[Unreleased]"], "drillable": true, "  
expanded": true, "drilled_into": false, "parent_full_name": ["[Fix Version].[Calculator]"}, {"depth": 3, "name": "v3.0", "  
full_name": ["[Fix Version].[Calculator].[Unreleased].[v3.0]"], "url_id": 10700, "parent_key": "CALC", "  
parent_full_name": ["[Fix Version].[Calculator].[Unreleased].[v3.0]"]}], "name": "Project", "selected_set": ["[Project].[Component].  
Members"], "members": [{"depth": 2, "name": "(no component)", "full_name": ["[Project].[Calculator].(no component)"]}, "  
url_id": -1, "parent_key": "CALC"}], "bookmarked_members": [], "current_page_members": ["[Project].[Calculator].(no
```

```

component)]]]]}, "options": {"nonempty": "rows"}, "view": {"current": "table", "maximized": false, "table":
{"freeze_header": true}}}
    } ],
    "calculated_members": [{"dimension": "Measures", "name": "Xray Tests Run count", "format_string": "", "formula": "Sum
(\n  Filter(Descendants([Xray Test Execution].CurrentMember,\n    [Xray Test Execution].[Execution]),\n
[Measures].[Xray Tests with executions] > 0),\n  [Measures].[Xray Tests with executions]\n)", "annotations":
{"group": "Xray", "drill_through_dimension_levels": "[Xray Test].[Test], [Xray Test Execution].[Execution]"}},
{"name": "Distinct reported defect count", "dimension": "Measures", "formula": "NonZero(Count(\n  Filter(\n
Descendants([Xray Defect].CurrentMember, [Xray Defect].[Defect]),\n    [Measures].[Xray Tests defect count] >
0\n  )\n)", "format_string": ""}]
}

```

Test Run Statistics

Aim: analyse the amount of runs per each Test Run status, per each Board's folder.

			Xray Tests Run count						
			– All Xray Test Execution Statuses	PASS	TODO	EXECUTING	FAIL	BLOCKED	FAIL_DISCARDABLE
–CALC-1735 CLONE - all my relevant tests for v3.0	– UI	UI	11	9	2				
		UI/New Folder	12	7	2		3		
	– core	core	11	6			5		
–CALC-1906 all my relevant tests for v3.0	– arithmetic related tests	arithmetic related tests/addition	11	7	1		3		
–CALC-1916 all my relevant tests for v3.0	– (Orphans)	(Orphans)	4		4				
	– arithmetic related tests	arithmetic related tests	13	9			4		

eazyBI report definition

```

{
  "cube_name": "Issues",
  "cube_reports": [ {
    "name": "Test Plan Board: Test Run Statistics",
    "folder_name": "For S\u00e9rgio",
    "result_view": "table",
    "definition": { "columns": { "dimensions": [ { "name": "Measures", "selected_set": "[Measures].[Xray Tests Run count]", "members": [] }, { "name": "Xray Test Execution Status", "selected_set": "[Xray Test Execution Status].[All Xray Test Execution Statuses]", "members": [ { "depth": 0, "name": "All Xray Test Execution Statuses", "full_name": "[Xray Test Execution Status].[All Xray Test Execution Statuses]", "drillable": true, "type": "all", "expanded": true, "drilled_into": false } ], "bookmarked_members": [] } }, "rows": { "dimensions": [ { "name": "Xray Test Plan", "selected_set": "[Xray Test Plan.Test Plan Board].[Plan].Members", "members": [ { "depth": 2, "name": "(none)", "full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[(none)]", "drillable": true, "key": "(none)", "expanded": true, "drilled_into": true, "drill_level": "[Xray Test Plan.Test Plan Board].[Folder]", { "depth": 3, "name": "(Orphans)", "full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[(none)].[(Orphans)]", "drillable": true, "key": "(Orphans)", "parent_key": "(none)", "expanded": true, "drilled_into": true, "drill_level": "[Xray Test Plan.Test Plan Board].[Subfolder]", "parent_full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[(none)]", { "depth": 2, "name": "CALC-1011", "full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[CALC-1011]", "drillable": true, "key": "CALC-1011", "expanded": true, "drilled_into": true, "drill_level": "[Xray Test Plan.Test Plan Board].[Folder]", { "depth": 3, "name": "(Orphans)", "full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[CALC-1011].[(Orphans)]", "drillable": true, "key": "(Orphans)", "parent_key": "CALC-1011", "expanded": true, "drilled_into": true, "drill_level": "[Xray Test Plan.Test Plan Board].[Subfolder]", "parent_full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[CALC-1011]", { "depth": 2, "name": "CALC-1021", "full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[CALC-1021]", "drillable": true, "key": "CALC-1021", "expanded": true, "drilled_into": true, "drill_level": "[Xray Test Plan.Test Plan Board].[Folder]", { "depth": 3, "name": "(Orphans)", "full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[CALC-1021].[(Orphans)]", "drillable": true, "key": "(Orphans)", "parent_key": "CALC-1021", "expanded": true, "drilled_into": true, "drill_level": "[Xray Test Plan.Test Plan Board].[Subfolder]", "parent_full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[CALC-1021]", { "depth": 2, "name": "CALC-1033", "full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[CALC-1033]", "drillable": true, "key": "CALC-1033", "expanded": true, "drilled_into": true, "drill_level": "[Xray Test Plan.Test Plan Board].[Folder]", { "depth": 3, "name": "(Orphans)", "full_name": "[Xray Test Plan.Test Plan Board].[Calculator].[CALC-1033].[(Orphans)]", "

```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```
drilled_into":true,"drill_level":"[Xray Test Plan.Test Plan Board].[Subfolder]","parent_full_name":"[Xray Test Plan.Test Plan Board].[Calculator].[CALC-989]"},"bookmarked_members":[]},"nonempty_crossjoin":true},"pages":
{"dimensions":[{"name":"Fix Version","selected_set":["[Fix Version].[All Fix Versions]"],"members":[{"depth":0,"
name":"All Fix Versions","full_name":"[Fix Version].[All Fix Versions]","drillable":true,"type":"all","
expanded":true,"drilled_into":false},{depth":1,"name":"Calculator","full_name":"[Fix Version].[Calculator]","
drillable":true,"key":"CALC","expanded":true,"drilled_into":false,"parent_full_name":"[Fix Version].[All Fix
Versions]"},{depth":2,"name":"Unreleased","full_name":"[Fix Version].[Calculator].[Unreleased]","drillable":
true,"expanded":true,"drilled_into":false,"parent_full_name":"[Fix Version].[Calculator]"},{depth":3,"name":"
v3.0","full_name":"[Fix Version].[Calculator].[Unreleased].[v3.0]","url_id":10700,"parent_key":"CALC","
parent_full_name":"[Fix Version].[Calculator].[Unreleased]"}],"bookmarked_members":[],"current_page_members":
["[Fix Version].[Calculator].[Unreleased].[v3.0]"]}],options":{"nonempty":true,"view":{"current":"table","
maximized":false,"table":{"freeze_header":true}}}
  } ],
  "calculated_members": [{"dimension":"Measures","name":"Xray Tests Run count","format_string":"","formula":"Sum
(\n  Filter(Descendants([Xray Test Execution].CurrentMember,\n    [Xray Test Execution].[Execution]),\n
[Measures].[Xray Tests with executions] > 0),\n  [Measures].[Xray Tests with executions]\n)","annotations":
{"group":"Xray","drill_through_dimension_levels":["Xray Test].[Test], [Xray Test Execution].[Execution]"}]}
}
```

Time Tracking

Tests estimated time comparison with elapsed time

Aim: compare the sum of estimated time on Test issues vs the actual elapsed time of related Test Runs, with the drill-down possibility to Test level.

This report gives the ability to analyse the Tests of a Test Plan, for example, and related runs. It assumes the duration estimate is implemented by defining the Original Estimated Time on Test issues.

Pages

Xray Test Plan

Xray Test Run Assignee

Xray Test Executed by

Rows

Xray Test

Nonempty

Columns

Measures

TableBarLinePieScatterTimelineMapGanttGauge

Hide empty

Xray Test Original estimated hours > 0

All others

Total

Freeze header

CALC-1906 all my relevant tests for v3.0All UsersAll Users

	Xray Test Original estimated hours	Xray Test Runs	Total of Test Original estimate based on test run count	Xray Total Test run duration
All Xray Tests	1h 00m	5	5h 00m	27h 00m
CALC-1901	45m	3	2h 15m	3h 10m
CALC-1902	4m	1	4m	23h 32m
CALC-1903	10m	1	10m	16m

easyBI report definition

```
{
  "cube_name": "Issues",
  "cube_reports": [ {
    "name": "Test original estimated time vs Test Runs elapsed time",
    "result_view": "table",
    "definition": { "columns": { "dimensions": [ { "name": "Measures", "selected_set": [ "Measures].[Xray Test Original estimated hours]", "Measures].[Xray Test Runs]", "Measures].[Total of Test Original estimate based on test run count]", "Measures].[Xray Total Test run duration]" ], "members": [ ] }, "rows": { "dimensions": [ { "name": "Xray Test", "selected_set": [ "Xray Test].[All Xray Tests]" ], "members": [ { "depth": 0, "name": "All Xray Tests", "full_name": "Xray Test].[All Xray Tests]", "drillable": true, "type": "all", "expanded": true, "drilled_into": false }, { "depth": 1, "name": "Calculator", "full_name": "Xray Test].[Calculator]", "drillable": true, "key": "CALC", "expanded": true, "drilled_into": false, "removed": true, "parent_full_name": "Xray Test].[All Xray Tests]" } ], "bookmarked_members": [ { "depth": 2, "name": "CALC-1901", "full_name": "Xray Test].[Calculator].[CALC-1901]", "key": "CALC-1901" } ] }, "filter_by": { "conditions": [ { "expression": [ "Measures].[Xray Test Original estimated hours]", "operator": ">", "value": "0" } ] }, "nonempty_crossjoin": true, "pages": { "dimensions": [ { "name": "Xray Test Plan", "selected_set": [ "Xray Test Plan].[All Xray Test Plans]", "members": [ { "depth": 0, "name": "All Xray Test Plans", "full_name": "Xray Test Plan].[All Xray Test Plans]", "drillable": true, "type": "all", "expanded": true, "drilled_into": false }, { "depth": 1, "name": "Calculator", "full_name": "Xray Test Plan].[Calculator]", "drillable": true, "key": "CALC", "expanded": true, "drilled_into": false, "parent_full_name": "Xray Test Plan].[All Xray Test Plans]" } ], "bookmarked_members": [ ], "current_page_members": [ "Xray Test Plan].[Calculator]" ], { "name": "Xray Test Run Assignee", "selected_set": [ "Xray Test Run Assignee].[All Users]", "members": [ { "depth": 0, "name": "All Users", "full_name": "Xray Test Run Assignee].[All Users]", "drillable": true, "type": "all" } ], "bookmarked_members": [ ], "current_page_members": [ "Xray Test Run Assignee].[All Users]" ], { "name": "Xray Test Executed by", "selected_set": [ "Xray Test Executed by].[All Users]", "members": [ { "depth": 0, "name": "All Users", "full_name": "Xray Test Executed by].[All Users]", "drillable": true, "type": "all" } ], "bookmarked_members": [ ], "current_page_members": [ "Xray Test Executed by].[All Users]" ] }, "options": { "nonempty": true, "view": { "current": "table", "maximized": false, "table": { "show_key": [ "Xray Test", "Xray Test Execution" ] } } } } ],
    "calculated_members": [ { "dimension": "Measures", "name": "Xray average Test Run duration", "format_string": "MinutesFormatter", "formula": "[Measures].[Xray Test Run duration] / 60", "annotations": { "group": "Xray", "drill_through_dimension_levels": [ "Xray Test].[Test]", [ "Xray Test Execution].[Execution]" ] }, { "name": "Xray Test Original estimated hours", "dimension": "Measures", "formula": "Sum(\n    -- set of test which are related report context and has at least one execution\n    Filter(\n        Descendants([Xray Test].CurrentHierarchyMember, [Xray Test].[Test]),\n        [Measures].[Xray Tests with executions] > 0\n    ),\n    -- for each test get Original estimate\n    DefaultContext((\n        [Issue].[Issue].GetMemberByKey([Xray Test].CurrentHierarchyMember.Key),\n        [Measures].[Original estimated hours]\n    ))\n    )\n    )\n    --transform hours to minutes for formatting\n    * 60", "format_string": "MinutesFormatter", { "name": "Xray Total Test run duration", "dimension": "Measures", "formula": "Sum(\n    -- set of test which are related to report context and has at least one execution\n    Filter(\n        Descendants([Xray Test].CurrentHierarchyMember, [Xray Test].[Test]),\n        [Measures].[Xray Tests with executions] > 0\n    ),\n    -- for each test calculate total execution time\n    [Measures].[Xray average Test Run duration] * [Measures].[Xray Test Runs]\n    )", "format_string": "MinutesFormatter", { "name": "Total of Test Original estimate based on test run count", "dimension": "Measures", "formula": "[Measures].[Xray Test Original estimated hours]\n* [Measures].[Xray Test Runs]", "format_string": "MinutesFormatter" } ] ]
}
```

Compare estimated Test time vs Test Run elapsed time, between Test Executions

Aim: compare the estimated time on Test issues vs the actual elapsed time of the corresponding Test Run, on each Test Execution.

This report gives the ability to analyse the Tests and the related Test Executions of a Test Plan, in order to check how the elapsed time of Test Runs evolve from Test Execution to Test. It assumes the duration estimate is implemented by defining the Original Estimated Time on Test issues.

Pages

Xray Test Plan

Columns

Xray Test Execution

Measures

Table

Bar

Line

Pie

Scatter

Timeline

Map

Gantt

Gauge

Hide empty

Total

Freeze header

CALC-1906 all my relevant tests for v3.0

	All Xray Test Executions			CALC-1907 Test Execution for Test Plan CALC-1906			CALC-1909 Test Execution for Test Plan CALC-1906			CALC-1945 CLONE - Test Execution for Test Plan CALC-1906
	Xray Test Original estimated hours	Xray average Test Run duration	Xray Total Test run duration	Xray Test Original estimated hours	Xray average Test Run duration	Xray Total Test run duration	Xray Test Original estimated hours	Xray average Test Run duration	Xray Total Test run duration	Xray Test Original estimated hours
CALC-1901	45m	1h 03m	3h 10m	45m	2h 07m	2h 07m	45m	0m	0m	45m
CALC-1902	4m	23h 32m	23h 32m	4m	23h 32m	23h 32m				
CALC-1903	10m	16m	16m	10m	16m	16m				

eazyBI report definition

```
{
  "cube_name": "Issues",
  "cube_reports": [ {
    "name": "Compare estimated Test time vs Test Run elapsed time, between Test Executions",
    "result_view": "table",
    "definition": { "columns": { "dimensions": [ { "name": "Xray Test Execution", "selected_set": [ [Xray Test Execution].[All Xray Test Executions] ], "members": [ { "depth": 0, "name": "All Xray Test Executions", "full_name": "[Xray Test Execution].[All Xray Test Executions]", "drillable": true, "type": "all", "expanded": true, "drilled_into": false }, { "depth": 1, "name": "Calculator", "full_name": "[Xray Test Execution].[Calculator]", "drillable": true, "key": "CALC", "expanded": true, "drilled_into": false, "removed": true, "parent_full_name": "[Xray Test Execution].[All Xray Test Executions]" }, { "name": "Measures", "selected_set": [ [Measures].[Xray Test Original estimated hours], [Measures].[Xray average Test Run duration], [Measures].[Xray Total Test run duration] ], "members": [ ] } ], "rows": { "dimensions": [ { "name": "Xray Test", "selected_set": [ [Xray Test].[Test].Members ], "members": [ ], "bookmarked_members": [ ] }, { "name": "Xray Test Plan", "selected_set": [ [Xray Test Plan].[All Xray Test Plans] ], "members": [ { "depth": 0, "name": "All Xray Test Plans", "full_name": "[Xray Test Plan].[All Xray Test Plans]", "drillable": true, "type": "all", "expanded": true, "drilled_into": false }, { "depth": 1, "name": "Calculator", "full_name": "[Xray Test Plan].[Calculator]", "drillable": true, "key": "CALC", "expanded": true, "drilled_into": false, "parent_full_name": "[Xray Test Plan].[All Xray Test Plans]" }, { "depth": 2, "name": "CALC-1906", "full_name": "[Xray Test Plan].[Calculator].[CALC-1906]", "key": "CALC-1906", "parent_full_name": "[Xray Test Plan].[Calculator]" }, { "depth": 1, "name": "Shuttle Launch to Skylab Testing", "full_name": "[Xray Test Plan].[Shuttle Launch to Skylab Testing]", "drillable": true, "key": "SKY", "expanded": true, "drilled_into": false, "parent_full_name": "[Xray Test Plan].[All Xray Test Plans]" }, { "name": "Measures", "selected_set": [ [Measures].[Xray Test Original estimated hours], [Measures].[Xray average Test Run duration], [Measures].[Xray Total Test run duration] ], "members": [ ], "bookmarked_members": [ ], "current_page_members": [ [Xray Test Plan].[Calculator].[CALC-1906] ] } ], "options": { "nonempty": true, "view": { "current": "table", "maximized": false, "table": { "show_key": [ "Xray Test" ] } } }
    }, {
      "name": "Xray Test Plan",
      "selected_set": [ [Xray Test Plan].[All Xray Test Plans] ],
      "members": [ { "depth": 0, "name": "All Xray Test Plans", "full_name": "[Xray Test Plan].[All Xray Test Plans]", "drillable": true, "type": "all", "expanded": true, "drilled_into": false }, { "depth": 1, "name": "Calculator", "full_name": "[Xray Test Plan].[Calculator]", "drillable": true, "key": "CALC", "expanded": true, "drilled_into": false, "parent_full_name": "[Xray Test Plan].[All Xray Test Plans]" }, { "depth": 2, "name": "CALC-1906", "full_name": "[Xray Test Plan].[Calculator].[CALC-1906]", "key": "CALC-1906", "parent_full_name": "[Xray Test Plan].[Calculator]" }, { "depth": 1, "name": "Shuttle Launch to Skylab Testing", "full_name": "[Xray Test Plan].[Shuttle Launch to Skylab Testing]", "drillable": true, "key": "SKY", "expanded": true, "drilled_into": false, "parent_full_name": "[Xray Test Plan].[All Xray Test Plans]" }, { "name": "Measures", "selected_set": [ [Measures].[Xray Test Original estimated hours], [Measures].[Xray average Test Run duration], [Measures].[Xray Total Test run duration] ], "members": [ ], "bookmarked_members": [ ], "current_page_members": [ [Xray Test Plan].[Calculator].[CALC-1906] ] } ], "options": { "nonempty": true, "view": { "current": "table", "maximized": false, "table": { "show_key": [ "Xray Test" ] } } }
    } ],
    "calculated_members": [ { "dimension": "Measures", "name": "Xray average Test Run duration", "format_string": "MinutesFormatter", "formula": "[Measures].[Xray Test Run duration] / 60", "annotations": { "group": "Xray", "drill_through_dimension_levels": [ [Xray Test].[Test], [Xray Test Execution].[Execution] ] }, { "name": "Xray Test Original estimated hours", "dimension": "Measures", "formula": "Sum(\n  -- set of test which are related report context and has at least one execution\n  Filter(\n    Descendants([Xray Test].CurrentHierarchyMember, [Xray Test].[Test]),\n    [Measures].[Xray Tests with executions] > 0\n  ),\n  -- for each test get Original estimate\n  DefaultContext((\n    [Issue].[Issue].GetmemberByKey([Xray Test].CurrentHierarchyMember.Key),\n    [Measures].[Original estimated hours]\n  ))\n) \n  --transform hours to minutes for formatting\n  * 60", "format_string": "MinutesFormatter" }, { "name": "Xray Total Test run duration", "dimension": "Measures", "formula": "Sum(\n  -- set of test which are related to report context and has at least one execution\n  Filter(\n    Descendants([Xray Test].CurrentHierarchyMember, [Xray Test].[Test]),\n    [Measures].[Xray Tests with executions] > 0\n  ),\n  -- for each test calculate total execution time\n  [Measures].[Xray average Test Run duration] * [Measures].[Xray Test Runs]\n)", "format_string": "MinutesFormatter" } ]
  }
}
```

Requirement coverage

Aim: provide a quick overview of coverage per requirement: show requirements, their workflow status, amount of Tests covering each requirement, amount of Runs created and amount of defects created and their status. More info [here](#).

Table	Bar	Line	Pie	Scatter	Timeline	Map	Gantt	Gauge
-------	-----	------	-----	---------	----------	-----	-------	-------

					Total ▾
--	--	--	--	--	---------

Shuttle Launch to Skylab Testing ▾	All Xray Test Plans ▾
------------------------------------	-----------------------

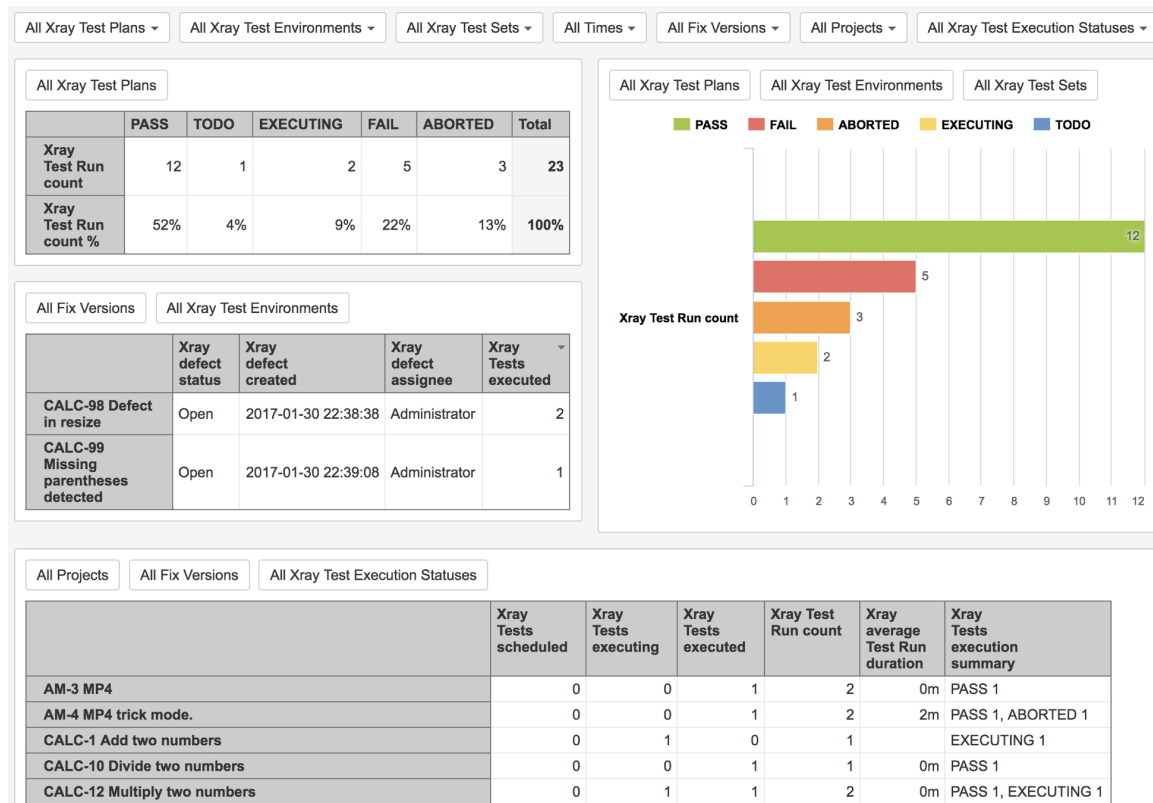
Xray Requirement	Xray Requirement status	Xray Tests created	Xray Tests with executions	Xray Test Runs	Xray Test Run Summary	Xray Tests defect count	Xray Defect list
(none)		10	7	10	PASS 6, TODO 1, FAIL 3	3	SKY-101 Open, SKY-131 Open
SKY-1	Open	8	8	26	PASS 8, TODO 2, EXECUTING 7, FAIL 6, ABORTED 3	4	SKY-105 Open, SKY-131 Open, SKY-132 Open, SKY-90 In Progress
SKY-2	Open	7	7	21	PASS 12, EXECUTING 4, FAIL 3, ABORTED 2	2	SKY-105 Open, SKY-110 Open
SKY-3	Open	10	10	35	PASS 14, TODO 3, EXECUTING 3, FAIL 12, ABORTED 3	6	SKY-101 Open, SKY-102 Open, SKY-104 Open, SKY-105 Open, SKY-110 Open, SKY-98 Open
SKY-4	Resolved	8	8	28	PASS 13, TODO 3, EXECUTING 4, FAIL 7, ABORTED 1	3	SKY-101 Open, SKY-102 Open, SKY-49 Resolved
SKY-5	In Progress	5	5	16	PASS 10, EXECUTING 2, FAIL 3, ABORTED 1	2	SKY-100 In Progress, SKY-48 In Progress

easyBI report definition

```
{
    "cube_name": "Issues",
    "cube_reports": [ {
        "name": "Xray Requirement coverage",
        "result_view": "table",
        "definition": { "columns":{"dimensions":[{"name":"Measures","selected_set":["[Measures].[Xray Requirement status]","[Measures].[Xray Tests created]","[Measures].[Xray Tests with executions]","[Measures].[Xray Test Runs]","[Measures].[Xray Test Run Summary]","[Measures].[Xray Tests defect count]","[Measures].[Xray Defect list]"],"members":[]}}],"rows":{"dimensions":[{"name":"Xray Requirement","selected_set":["[Xray Requirement].[Requirement].Members"],"members":[],"bookmarked_members":[]},"nonempty_crossjoin":true},"pages":{"dimensions":[{"name":"Project","selected_set":["[Project].[All Projects]"],"members":[{"depth":0,"name":"All Projects","full_name":["Project].[All Projects]","drillable":true,"type":"all","expanded":true,"drilled_into":false}],"}]},"bookmarked_members":[],"current_page_members":["[Project].[All Projects]"]},{ "name":"Xray Test Plan","selected_set":["[Xray Test Plan].[All Xray Test Plans]"],"members":[{"depth":0,"name":"All Xray Test Plans","full_name":["Xray Test Plan].[All Xray Test Plans]","drillable":true,"type":"all","expanded":true,"drilled_into":false},{ "depth":1,"name":"Shuttle Launch to Skylab Testing","full_name":["Xray Test Plan].[Shuttle Launch to Skylab Testing]","drillable":true,"key":"SKY","expanded":true,"drilled_into":false,"parent_full_name":["Xray Test Plan].[All Xray Test Plans]"]},"bookmarked_members":[],"current_page_members":["[Xray Test Plan].[All Xray Test Plans]"]}]}, {"options":{"view":{"current":"table","maximized":false,"table":{"row_dimension_headers":{"Xray Requirement":true}}}} } ],
    "calculated_members": [{"dimension":"Measures","name":"Xray Defect status","format_string":"","formula": "[Status].[Status].getMemberNameByKey(\n [Xray Defect].CurrentHierarchyMember.get('Status ID')\n)", "annotations":{"group":"Xray","drill_through_dimension_levels":["Xray Test].[Test], [Xray Test Execution].[Execution]"}}, {"dimension":"Measures","name":"Xray Tests Run count","format_string":"","formula":"Sum(\n Filter(Descendants([Xray Test Execution].CurrentMember,\n [Xray Test Execution].[Execution]),\n [Measures].[Xray Tests with executions] > 0),\n [Measures].[Xray Tests with executions]\n)","annotations":{"group":"Xray","drill_through_dimension_levels":["Xray Test].[Test], [Xray Test Execution].[Execution]"}, {"name":"Xray Test Run Summary","dimension":"Measures","formula":"-- annotations.group=Xray User defined\n\nGenerate(\n Filter(\n Descendants([Xray Test Execution Status].CurrentMember,\n [Xray Test Execution Status].[Status]\n ),\n [Measures].[Xray Tests Run count] > 0)\n ),\n [Xray Test Execution Status].CurrentMember.Name || ' ' ||\n Format([Measures].[Xray Tests Run count], '#'),\n '\n ',\n '\n)', "format_string":""}, {"name":"Xray Requirement status","dimension":"Measures","formula":"-- annotations.group=Xray User defined\n[Status].[Status].getMemberNameByKey(\n [Xray Requirement].CurrentHierarchyMember.get ('Status ID')\n)", "format_string":""}, {"name":"Xray Defect list","dimension":"Measures","formula":"-- annotations.group=Xray User defined\n\nGenerate(\n Filter(\n Descendants([Xray Defect].CurrentMember, [Xray Defect].[Defect]),\n [Measures].[Xray Tests defect count] > 0),\n [Xray Defect].CurrentMember.Name || ' ' ||\n [Measures].[Xray Defect status]\n \n ,\n \n ,\n \"\\n\\n\", \"format_string\":\"\"} ] }
```


Report Dashboards

eazyBI supports [the creation of dashboards](#) that you can use to combine several Xray-related reports in one display.



You can also use eazyBI's reports and dashboards in Jira dashboards by using [proper gadgets](#).

Learn more

For specific questions concerning eazyBi, please use [eazyBI support channel](#).

Please refer to the following resources for more information:

- [eazyBI's specific documentation for Xray](#)
- [eazyBI's blog post detailing integration with Xray, including usage examples](#)
- [Example: Requirement Coverage](#)
- [Xray's blog post](#)