

TURKCELL **AKADĖMİ**

Testing in SDLC



COURSE CONTENT

1 – Test Library

Creating test case library and rules to be followed in preparing the test case

2 – Test Lab

Scenario sets which will be held for the test

3 – Test Issue

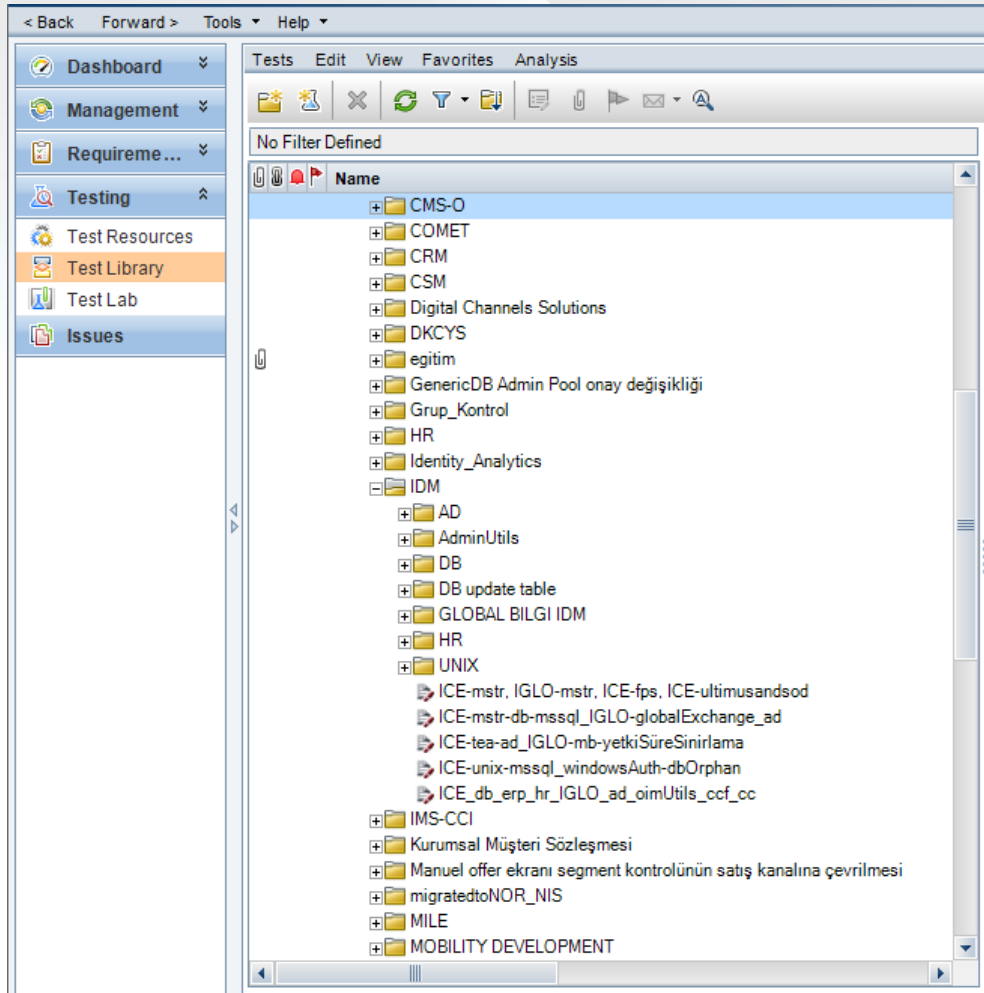
Error notification

4 – Dashboard

Reporting of test data



TEST LIBRARY



Test library;
ALM module that we
write our test cases



TEST LIBRARY BENEFITS

- Security
- Easy accessibility
- Reusability
- Reporting



WHAT IS A TEST CASE?

A test case in software engineering is a set of conditions or variables under which a tester will determine whether an application or software system is working correctly or not.



TEST CASE STANDARDS

- The purpose of the test case must have been written
- Test data should contain sufficient information
- Steps should be enough and understandable.
- Test results of the control method must be specified



TEST TYPES

- Unit Testing
- Functional Testing
- Integration Testing
- Interface Testing
- Destructive Testing
- Boundary Testing
- Documentation Testing
- Security Testting
- Performans / Stress Testing
- End-To-End Testing
- Adhoc Testing
- User Acceptance Testing



TEST CASE PRIORITIZATION

- Stands all the tests if scenario is not realized
- If test case is one of the basic scenario of product or service.
- Affects only a specific part of the product or service
- If the scenario has no functional effect (cosmetic scenarios).



TEST LAB

- The module containing the test case sets in order to test a particular product or service

The screenshot displays the Test Lab software interface. On the left, a sidebar menu includes Dashboard, Management, Requirement..., Testing, Test Resources, Test Library, Test Lab (selected), and Issues. The main window is divided into two panes. The left pane, titled 'Test Sets', shows a tree view of test sets with IDs ranging from 97286 to 98798, and a summary for '101051-Test Talebi: TTECH - 101865-Test Talebi: TTECH - 101865-Test Talebi: TTECH'. The right pane, titled 'Test Runs', shows a table of test results.

Name	Status
[1]Duzeltme Checkboxi isaretiyken Tarife Degisikligi	✓ Passed
[1]Evrak Aldim Isaretlemeden Tarife Degisikligi	✓ Passed
[1]Evrak Yazdir isaretlemeden Tarife Degisikligi	✓ Passed
[1]Evrakli Tarifeden Evrakli Tarifeye Gecis	✓ Passed
[1]Evraksiz Tarifeden Evrakli Tarife Degisikligi	✓ Passed



TEST SET TYPES

- Unit Test
- Pre Int Test
- Smoke Test
- Business Analyst Test
- UAT Test
- Post Deployment Test



TEST SET STANDARDS

- Must be associated with the test request
- Choose the correct type of test phase
- Smoke Testing must be done.
- Fonksiyonel Testing must be done.
- Negative test should be done.
- Performans test must be done.
- Regression test set must be established
- Security test must be done



TEST ISSUE

- Topic is considered as the test issue If application or service produce an incorrect, unexpected results or present performance or security breaches



TEST ISSUE TYPES

- Code Defect
- Compiling Defect
- Label Defect
- Migration Defect
- Performans Defect
- Vendor Defect



TEST ISSUE STANDARDS

- Test data used must be specified
- Screenshot of the error must be attached
- Detailed logs should be given
- Error analysis of the scenario should be told



DASHBOARD

- In the Dashboard module, you create view and manage graphs, standard reports, and Excel reports for analyzing Quality Center data. You also create dashboard pages that display multiple graphs side-by-side.



ABOUT THE DASHBOARD MODULE

- The **Analysis View** tab contains a tree in which you organize all of your analysis items. Analysis items can be any of the following analysis types: graphs, standard reports, and Excel reports.
- The **Dashboard View** tab contains a tree in which you organize dashboard pages. In **Dashboard pages** you arrange multiple graphs that you created in the analysis tree, and display them in a single view.



EXAMPLE OF REPORT OUTPUT

< Back Forward > Tools Help

Dashboard Analysis View Dashboard View Management Requireme... Testing Test Resources Test Library Test Lab Issues

Analysis Edit View

Generate 1 - 1 of [1]

Planning Report

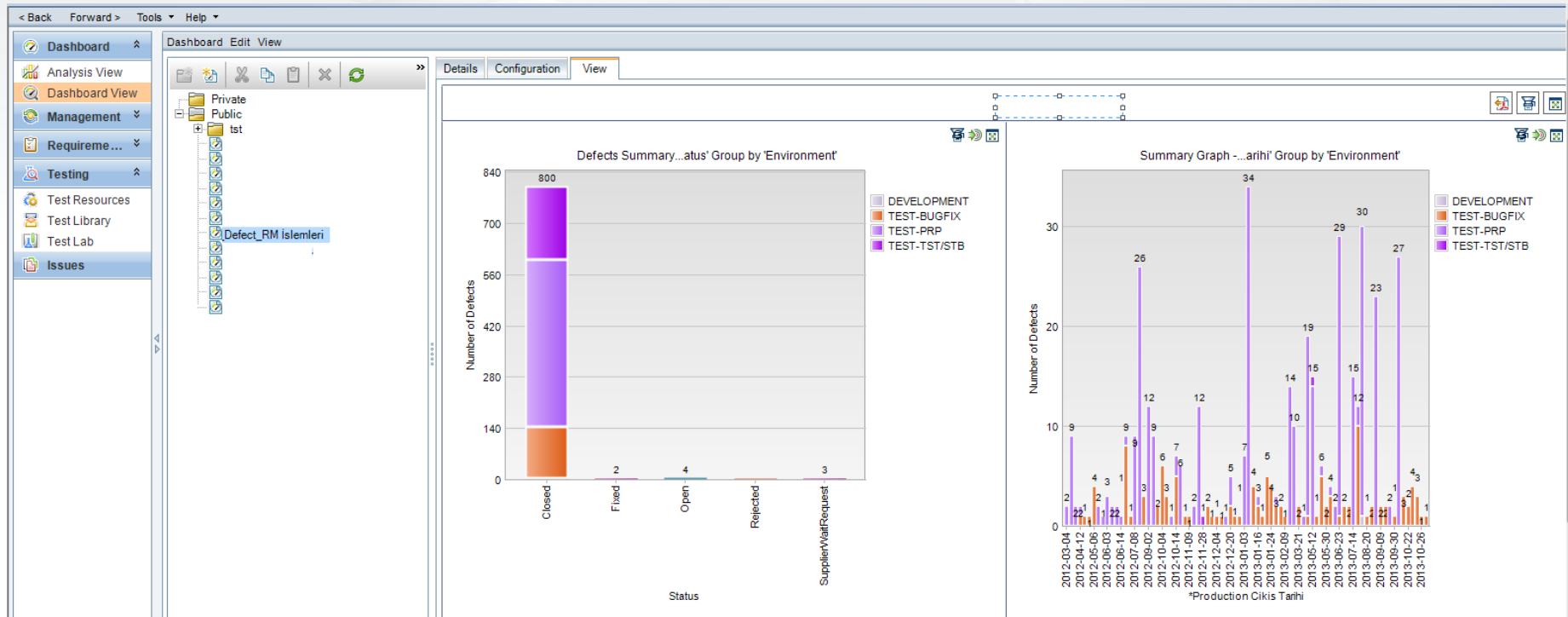
Filter: Test ID[378675]

Test ID (378675) - ICE_db_erp_hr_IGLO_ad_oimUtils_ccf_cc

01-Test datasi için yeterli bilgi var mı?:	02-Steplerin yeterli sayıda ve anlaşılır mı?:
03-Test sonuçlarının yeri ve kontrol yöntemleri:	04-Description kısmında amaç tanımlı mı?:
Automated By:	Change Status:
Estimated DevTime:	Creation Date: 04.10.2013
Modified: 04.10.2013 13:21:46	Designer:
Protocol Type:	Execution Status: Passed
Review Score:	Path:
Senaryo Tipi: Interface Test	Review Date:
Status: Design	Reviewed By:
TAG:	Severity: 3,Medium
Test ID: 378675	Subject: IDM
TestCaseRunSüresi:	Template:
Type: MANUAL	Test Name: ICE_db_erp_hr_IGLO_ad_oimUtils_ccf_cc
	Testing Mode:
	Working Mode:



EXAMPLE OF DASHBOARD OUTPUT



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Teşekkürler...