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Introduction to Quality Center 10.0

Overview

The process-based functionality of Quality Center is extended in this hands-on course. Students will learn how to manage quality information throughout the development cycle, construct and organize requirements, create and execute test sets, monitor defects, and use graphs and reports to track the success of a project.

Duration

Two days

Intended Audience

- Quality assurance engineers
- Quality testers
- Project managers
- Other Quality Center users

Prerequisites

Working knowledge of:

- Windows
- Testing concepts

Course Objectives

At the end of the course, you will be able to:

- Create releases and cycles
- Define requirements
- Analyze risks associate with requirements
- Organize subjects and tests in a test plan tree
- Design and create test plans
- Generate test scripts from design steps
- Create test sets
- Execute manual and automated tests
- Record and track test execution results
- Log and manage defects
- Use Version control
- Working with libraries and baselining
- Use the Dashboard to generate reports and graphs

Course Outline

Introduction

Working with Releases

- Understanding the relationship between releases and cycles
- Creating a release tree
- Tying requirements to releases and cycles
- Viewing requirement coverage by cycle
- Tying tests to releases and cycles

Defining Requirements

- Understanding requirement types
- Creating and defining requirements
- Building a requirements tree
- Tying requirements to releases and cycles

Analyze Requirement Risks

- Adding traceability links between requirements
- Establishing the business criticality and failure probability of a requirement
- Performing risk analysis for a group of requirements



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Test Planning

- Building a test plan tree
- Creating tests
- Linking tests and requirements
- Designing test steps
- Using parameters in tests
- Configuring a test to call other tests
- Generating test scripts
- Monitoring the status of test plans

Test Execution

- Building a test sets tree
- Creating test sets
- Organizing tests in a test set
- Defining and scheduling test execution flows
- Configure automated test rerun and cleanup rules
- Executing manual and automated tests
- Recording and reviewing test execution results
- Monitoring the status of test sets

Defect Tracking

- Logging defects
- Searching and reviewing defects
- Associating defects to other entities
- Updating a defect
- Tracking the status of defects

Reporting and Analysis

- Generate analysis reports and graphs
- Generate Microsoft Excel reports

Version Control

- Checking out (multiple ways)
- Checking in (multiple ways)
- Viewing version history
- Compare versions
- Promote older version

Library Management

- Define a library
- Define a baseline
- Comparing baselines
- Pinning a Test Set to a baseline
- Importing a library
- Synchronizing libraries

Reporting and Analysis

- Generate analysis reports and graphs using the Dashboard
- Generate Microsoft Excel Reports

Course Summary