

# Quality Center 10.0 Essentials

Instructor-Led Training



## INTENDED AUDIENCE

- Quality assurance engineers
- Quality testers
- Project managers
- Quality Center Administrators
- Quality Assurance Leads
- Other Quality Center users responsible for managing projects, users, and workflow customizations

## DURATION: 4 DAYS

## OVERVIEW

This hands-on course provides the tools you need to implement and utilize Quality Center 10. Students learn how to manage quality information throughout the development cycle, from constructing requirements, designing and executing tests, and monitoring defects, through site administration and customization.

Note: Course is based on the Enterprise edition of Quality Center.

## COURSE OBJECTIVES

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

- Create releases and cycles.
- Construct requirements.
- Analyze risks associated 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 to keep track of changes.
- Create and manage libraries.
- Create and compare baselines.
- Generate reports and graphs using the Dashboard.
- Identify the hardware and software requirements for installing Quality Center.
- Maintain Quality Center projects.
- Manage Quality Center users and groups.
- Customize and configure Quality Center at the organization-wide level.
- Customize project-specific Quality Center parameters.
- Customize the testing workflow according to your project-specific requirements.

## PREREQUISITES

Working knowledge of:

- Windows
- Testing concepts

<b>Day 1</b>	<p><b>Introduction</b></p> <p><b>Working with Releases</b></p> <ul style="list-style-type: none"> <li>• Understanding the relationship between releases and cycles</li> <li>• Creating a release tree</li> <li>• Assigning requirements to releases and cycles</li> <li>• Assigning tests to releases and cycles</li> </ul> <p><b>Working with Requirements</b></p> <ul style="list-style-type: none"> <li>• Understanding requirement types</li> <li>• Specifying requirements</li> <li>• Building a requirements tree</li> <li>• Assigning requirements to releases and cycles</li> </ul>	<p><b>Analyzing Requirement Risks</b></p> <ul style="list-style-type: none"> <li>• Adding traceability links between requirements</li> <li>• Establishing the business criticality and failure probability of a requirement</li> <li>• Performing risk analysis for a group of requirements</li> </ul> <p><b>Test Planning</b></p> <ul style="list-style-type: none"> <li>• Building a test plan tree</li> <li>• Creating tests</li> <li>• Using parameters in tests</li> <li>• Generating test scripts</li> <li>• Linking tests and requirements</li> <li>• Designing test steps</li> <li>• Generate a live analysis graph</li> </ul>
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<b>Day 2</b>	<p><b>Test Execution</b></p> <ul style="list-style-type: none"> <li>• Building a test sets tree</li> <li>• Creating test sets</li> <li>• Add tests into test sets</li> <li>• Linking test set folders to releases and cycles</li> <li>• Managing test execution flow and test dependences</li> <li>• Executing manual and automated tests</li> <li>• Recording and reviewing test execution results</li> </ul> <p><b>Defect Tracking</b></p> <ul style="list-style-type: none"> <li>• Logging defects</li> <li>• Searching and reviewing defects</li> <li>• Associating defects to other entities</li> <li>• Tracking the status of defects</li> </ul>	<p><b>Version Control</b></p> <ul style="list-style-type: none"> <li>• Checking out</li> <li>• Checking in</li> <li>• Viewing version history</li> <li>• Comparing versions</li> <li>• Promoting an older version</li> </ul> <p><b>Library Management</b></p> <ul style="list-style-type: none"> <li>• Defining a library</li> <li>• Defining a baseline</li> <li>• Comparing baselines</li> <li>• Pinning a test set to a baseline</li> </ul> <p><b>Reporting and Analysis</b></p> <ul style="list-style-type: none"> <li>• Generating analysis reports and graphs using the Dashboard.</li> </ul>
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<b>Day 3</b>	<p><b>Introduction to Site Administration</b></p> <p><b>Implementation Planning</b></p> <ul style="list-style-type: none"> <li>• Planning: considerations and key roles</li> <li>• Identify hardware and software considerations</li> <li>• Identify organization-wide customization requirements</li> <li>• Use Site Administration to manage quality center</li> </ul> <p><b>Domains and Projects</b></p> <ul style="list-style-type: none"> <li>• Understanding the project structure in Quality Center</li> <li>• Creating domains and projects</li> <li>• Enabling versioning</li> <li>• Checking connectivity</li> </ul>	<p><b>Maintaining Quality Center Projects</b></p> <ul style="list-style-type: none"> <li>• Querying project tables</li> <li>• Copying, renaming, removing, backing up, restoring, and upgrading projects</li> <li>• Importing and Exporting projects</li> </ul> <p><b>Managing Users</b></p> <ul style="list-style-type: none"> <li>• Creating and managing users</li> <li>• Monitoring user connections</li> </ul> <p><b>Configuring Servers and Parameters</b></p> <ul style="list-style-type: none"> <li>• Loading a Quality Center license</li> <li>• Modifying server configurations</li> <li>• Defining DB servers</li> <li>• Configuring Quality Center parameters</li> <li>• Setting the Quality Center mail protocol</li> </ul>
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<b>Day 4</b>	<p><b>Planning Project-Level Customizations</b></p> <ul style="list-style-type: none"> <li>• Planning for Project Customization</li> </ul> <p><b>Managing Users and User Groups</b></p> <ul style="list-style-type: none"> <li>• Adding users to a project</li> <li>• Creating user groups</li> <li>• Customizing module access</li> <li>• Defining transition rules</li> </ul> <p><b>Customizing Entities</b></p> <ul style="list-style-type: none"> <li>• Adding user-defined fields</li> <li>• Creating requirement types</li> <li>• Defining criteria for risk-based quality management</li> </ul> <p><b>Customizing Lookup Lists</b></p> <ul style="list-style-type: none"> <li>• Creating project-specific lists</li> <li>• Associating a list to a project entity</li> <li>• Managing project-specific lists</li> </ul>	<p><b>Customizing Mailing Options and Alert Rules</b></p> <ul style="list-style-type: none"> <li>• Designating mail fields</li> <li>• Defining mailing conditions</li> <li>• Configuring alert rules</li> <li>• Manage follow up flags</li> </ul> <p><b>Customizing Workflow</b></p> <ul style="list-style-type: none"> <li>• Customizing lists</li> <li>• Customizing fields by user groups</li> </ul> <p><b>Implementing Workflow Using the Script Editor</b></p> <ul style="list-style-type: none"> <li>• Using the Script Editor</li> <li>• Adding a command button by using the Script Editor</li> </ul> <p><b>Summary</b></p>
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