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# What's New

This What's New guide provides an overview of the features that were introduced or enhanced in Quality Center 9.2. For more information on using Quality Center, refer to the *HP Quality Center User's Guide*.

You can also view video demonstrations of several Quality Center features by choosing an item from **Help > Product Feature Movies**. These short movies demonstrate how to work with the new release and cycle management, risk-based quality management, and Requirements module enhancements such as requirement types, traceability, and rich text editing, as well as a number of features that were introduced in earlier releases.

This What's New guide includes the following topics:

- New Supported Environments
- New Features
- Feature Enhancements
- Other Changes

## New Supported Environments

For Quality Center 9.2, support for the following system configurations has been added. For the complete list of server and client system configurations, refer to the *HP Quality Center Installation Guide*.

<b>Databases</b>	Microsoft SQL Server 2005 Standard/Enterprise Edition with Service Pack 1
<b>Web/application server</b>	<ul style="list-style-type: none"> <li>▶ JBoss 4.0.2</li> <li>▶ WebSphere 6.1</li> </ul>
<b>Operating Systems (server)</b>	<ul style="list-style-type: none"> <li>▶ SUSE Linux Enterprise 10</li> <li>▶ Solaris 10 OE</li> <li>▶ AIX 5.3</li> </ul>
<b>Operating System (client)</b>	Windows 2003 Server with Service Pack 1 Standard/Enterprise Edition
<b>Browser</b>	Microsoft Internet Explorer 7.0
<b>Java Virtual Machine</b>	JVM 1.5

## New Features

This section describes new features that have been added in Quality Center 9.2. For more information on these features, refer to the *HP Quality Center User's Guide*.

### Release Management

You can use the new Releases module to help you more efficiently manage the often-challenging process of issuing application releases. In the Releases module, you organize your upcoming releases by defining a hierarchical tree of release folders. A release represents a group of changes in one or more applications that will be available for distribution at the same time. Each release can contain a number of cycles. A cycle represents a development and QA cycle based on the project timeline.

After defining the release hierarchy, you assign requirements to releases and cycles. You develop tests that cover requirements, and then assign test set folders to cycles. After running the test sets in these folders, you can review the progress in the Releases module to determine how well it meets the goals of your release. This provides you with a useful, high-level overview of the progress of your release.

You can also determine in which release and cycle defects are detected, and define in which release and cycle they will be fixed. You can then view graphs and statistics to analyze the current and future quality status of your release, providing you with a convenient summary of the release's readiness.

## **Requirements Traceability**

The ability to create associations between entities has been extended with the addition of requirements traceability. Requirements traceability defines a relationship between two or more requirements. Tracing requirements to other requirements helps ensure that no requirements are inadvertently overlooked during the testing process. When analyzing the impact of a change proposed in a specific requirement, the traceability links indicate other requirements that might be affected by the change.

## **Risk-Based Quality Management**

When planning how to test your requirements, you generally do not have unlimited resources available, and are not able to fully test every requirement. You must make compromises and only partially test requirements that have low criticality to the business, or those that have only a minor risk associated with their implementation. The new risk-based quality management feature enables you to calculate at which level to test each requirement, based on the nature of the requirement and the resources you have available. You can then plan your testing strategy based on these recommendations.

## **Excel Reports**

In addition to the existing Reports, Graphs, and Live Analysis Graphs features, you can now analyze Quality Center data using the new Excel Reports feature. This enables you to export Quality Center data to Microsoft Excel and then use Excel to analyze your data and present it in graphical form. You export the data to Excel by defining SQL queries on the Quality Center project database. After the data has been exported, you can also run a Visual Basic script on the data within Excel to process and analyze the data. This feature provides you with increased flexibility when analyzing Quality Center data.

## **Feature Enhancements**

This section describes feature enhancements that have been added in Quality Center 9.2.

### **Installation**

Quality Center client-side installation is now packaged in Windows Installer (MSI) format. This facilitates MSI package customization for customers using remote or mass distribution mechanisms.

### **Requirements Module**

The following enhancements have been made to the Requirements module.

#### **Requirement Types**

You can now assign each requirement in the Requirements module to a requirement type. A requirement type defines categories for your requirements. For each type, you can define which fields are optional, and which user-defined fields are available. For a particular type, this enables you to create user-defined fields that are available only for requirements of that type. You can use one of the types provided with Quality Center, or you can create your own.

## Requirements Module Usability

- A new **Req Parent** field has been added to the requirements module, enabling you to filter for a requirement and its children. You can also create a report for a requirement and its children.
- The Requirements Coverage view from previous versions has been expanded and has been renamed the Requirement Details view. Tabs have been added to manage requirement traceability and risk-based quality management.
- In previous versions of Quality Center, you could set favorite views for the Requirements Grid. You can now also set favorite views for the Requirements Tree view, Requirement Details view, and Coverage Analysis view.
- A new **Rich Text** tab has been added, enabling you to add, edit, and view Microsoft Word content associated with a requirement directly from the Requirements module.

For more information on these usability enhancements, refer to the *HP Quality Center User's Guide*.

## Usability

The following usability enhancements have been made in Quality Center 9.2. For more information on these enhancements, refer to the *HP Quality Center User's Guide*.

### Filtering

- You can now copy your filter and sort definitions to the clipboard. You can also paste filter and sort definitions from the clipboard to the Filter dialog box. This enables you to conveniently transfer filter and sort definitions between projects and users.
- You can now go to a field in the Filter dialog box more easily by clicking a box in the **Field Name** column and typing the first character of the field name.

## **Favorites**

In the **Favorites** menu, you can now see a list of the views you most recently used. You can load one of these views by selecting it from the **Favorites** menu.

## **History**

Quality Center previously displayed record history by field. Quality Center now groups record history by change, grouping together modifications made to different fields during the same change.

## **Navigation**

- ▶ Additional keyboard shortcuts have been added to ease navigation within Quality Center modules.
- ▶ The **Go To <Entity>** option that was available in the Defects module in previous versions of Quality Center is now also available in the Requirements and Test Plan modules, enabling you to quickly go to an entity by typing its ID.
- ▶ You can now copy the URL for a record, instead of copying the record itself. You can then paste the URL into another location, such as an e-mail or a document. Clicking the link opens Quality Center and displays the record.

## **Called Tests**

When copying tests between Quality Center projects, you now have the option of copying called tests along with the tests selected for copying.

## **Indicator Columns**

Columns indicating whether a record has attachments, linked entities, traceability alerts, or follow up alerts were previously available in some Quality Center views. These columns are now available in all views in all modules. In addition, you can now choose whether you want the columns to be displayed.

## **Project Users**

You can now add a user to a project more conveniently by typing the user's name, in addition to the existing option of adding a user from the Site Users list.

## **Commenting**

In previous versions of Quality Center, you could add comments to defects. You can now also add comments to requirements and tests.

## **Documentation Library Enhancements**

The following enhancements have been made in the Quality Center Documentation Library, in addition to extensive coverage of new Quality Center functionality:

### **Installation Guide**

- ▶ An installation checklist was added to help you ensure that you have all the necessary information to install Quality Center on a server machine.
- ▶ An installation requirements section was added to help you ensure that you have all the privileges, permissions, and other information required to install Quality Center on a client or server machine.
- ▶ Sections were added describing how to manually deploy Quality Center on a WebLogic or WebSphere application server.
- ▶ A section was added on how to change the heap memory value and default port number after installation on a JBoss application server.

## Administrator's Guide

Methodology was added for upgrading and migrating from previous versions of TestDirector or Quality Center to the latest Quality Center version. It covers considerations and recommendations involved in the process from planning, testing, and upgrading, to final verification.

## User's Guide

A keyboard shortcut reference list was added to help you more easily navigate within and between the Quality Center modules.

## API Documentation

- ▶ The **HP Quality Center Open Test Architecture API Reference** now contains module-level object diagrams showing the principle classes for each module. New examples have been added, including some in C#. New functionality has been documented, especially for the Business Components module.
- ▶ The **HP Quality Center Database Reference** has been enhanced with additional tables and fields. In addition, the design has been changed in accordance with customer requests. In the previous version, fields that are no longer in use were not documented. In this version, such fields are included in the documentation and labeled as not in use.

## Other Changes

This section describes other changes that have been made in Quality Center 9.2.

### New Workflow Event Naming Convention

Changes have been made to the naming of workflow events. The prefix indicating the module has been removed from event names. For example, the event **Defects\_Bug\_AfterPost** has been renamed **Bug\_AfterPost**. In addition, two new workflow functions have been added, providing information about the active module and dialog box. For backwards compatibility, the previous naming convention is still supported. For more information on the new convention, refer to the *HP Quality Center Administrator's Guide*.



## Administration Updates

The following updates have been made to Site Administration. For more information, refer to the *HP Quality Center Administrator's Guide*.

### Site Projects tab

You can purchase Quality Center extensions, which provide added functionality to Quality Center. For example, you can purchase extensions that enable you to work with service oriented architecture (SOA) systems. You can now enable extensions that are installed on your Quality Center server for a Quality Center project using the new **Project Extensions** tab.

### Site Configuration tab

The following parameters were added:

- ALLOW\_MULTIPLE\_VALUES
- ALLOW\_REQ\_COVERAGE\_BY\_TEST\_INSTANCE
- AUTO\_MAIL\_USER\_NOTIFICATION
- CREATE\_DB\_REPOSITORY\_VISIBILITY
- DISABLE\_CONSOLE\_DEBUG\_INFO
- FAVORITES\_DEPTH
- LDAP\_IMPORT\_ATTRIBUTE\_MASK
- NEWREQTYPE
- REPORT\_QUERY\_RECORDS\_LIMIT
- REPORT\_QUERY\_TIMEOUT
- REQ\_SHOW\_NUMERATION
- RESTRICT\_SERVER\_FOLDERS
- SELECT\_FS\_OVER\_DB
- SHOW\_REPOSITORY\_OVER\_DB

- ▶ SQL\_QUERY\_VALIDATION\_ENABLED
- ▶ SQL\_QUERY\_VALIDATION\_BLACK\_LIST

In addition, the ACCESS\_WEB\_DOCUMENTATION parameter was removed.

## Changes in Feature Availability

The following features are unavailable by default in Quality Center 9.2 or are no longer supported:

- ▶ In Site Administration, the option to store the project repository in the database is now unavailable by default, since storing project data in the database may degrade performance. It is recommended that you use the file system for managing Quality Center projects that have large project repositories (over 500 MB) or when working in a production environment.

To use the repository over database option to store project data in the project's database, you must add the **SHOW\_REPOSITORY\_OVER\_DB** parameter in Site Administration.

- ▶ You can now use the release management feature to assign requirements and test set folders to cycles and thus monitor coverage. Therefore, coverage between test instances and requirements is now unavailable by default. You can enable this coverage by adding the **ALLOW\_REQ\_COVERAGE\_BY\_TEST\_INSTANCE** parameter in Site Administration.
- ▶ Requirement numeration is now unavailable by default. You can enable numeration by adding the **REQ\_SHOW\_NUMERATION** parameter in Site Administration.
- ▶ You can no longer access the Documentation Library via the Web. However, you can download the most up-to-date version of Quality Center documentation from the Customer Support Web site.