

Release Notes 1.5



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Introduction

RayQC is a rule-based tool used to create and execute test criteria in one or more checklists. It offers various modules to check the quality of applications and software packages all along the Application Lifecycle Management process.

Executing quality checks is possible within manual and automated procedures, which may utilize the extendable plugin interface to integrate individually scripted check routines, tailored exactly towards specific mission scenario needs. The brand new Checklist Editor interface finally turns direct XML checklist source manipulation into a pain of the past.

This release of RayQC 1.5 presents a collection of new features and enhancements that were proposed by the members of the RayQC community, which consists of customers, internal users, and of course the product development and management team. Thanks a lot for your ideas and involvement, as it is the perfect fuel for creativity and innovation!

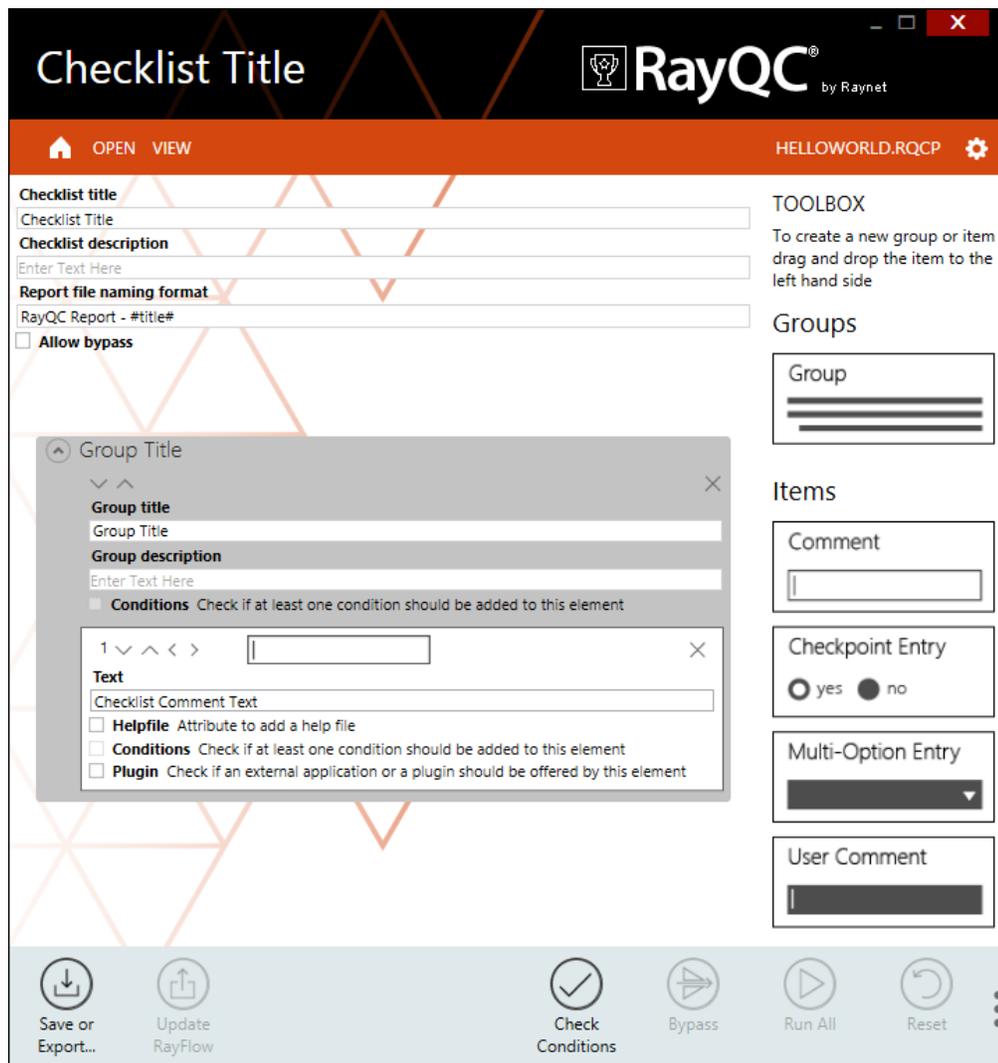
Welcome to RayQC 1.5.

New Features in RayQC

During the development phase of the current release, RayQC has undergone major internal changes in order to provide speed and stability improvements. The following enhancement list actually represents the visible tip of this cool iceberg of changes.

Checklist Editor

This release of RayQC introduces a new feature called Checklist Editor. It is an intuitive and interactive graphical editor, which allows users to create checklists by simply dragging and dropping various elements of a checklist to set up a hierarchical structure of test sequences. Furthermore, the Checklist Editor applies automatic syntax and structure validation whenever checklists are saved. The broad repository of checklist features has finally found a logical and plain interface users will quickly be able to dive into and for sure will love to work with.



Extended Command Line Interface

Previous versions of RayQC offered two command line arguments: checklist name and RayFlow package id.

The extended Command Line Interface provides an extended parameter set:

Parameter	Description
Standard parameters	
-checklist -c	Load checklist from the given file name
-help -h -?	Shows the command line interface help
RayFlow related parameters	
-package -p	The package ID from RayFlow
-project -P	The project ID from RayFlow
-url -u	The URL for accessing RayFlow
-login -l	The login name for the RayFlow connection
-password -pw	The password for the RayFlow login
-auto -a	Automatically run checklist and upload report
-extension -e	Report format (docx or html)

Note: A full documentation of the Command Line Interface is provided within the RayQC User Guide.

Updating of RayFlow fields

Using the brand new Update RayFlow feature leads to the upload of RayFlow parameter values from a checklist to the RayFlow server that has been used to launch the current RayQC session. The original property values stored within the RayFlow database will be overwritten by the update procedure. Updating RayFlow is not available when RayQC is used in a standalone mode.

New File Formats for Templates and Projects

In previous versions of RayQC, the file name extension for checklist templates has been XCLF. Starting from RayQC 1.5, there are two new file formats: RQCT for templates and RQCP for projects. The RayQC application logic and resolver engines have been massively reworked, which has led to a lack of full compatibility between the old and new file formats. Therefore, it is not possible to simply rename existing checklist templates in order to use them with RayQC 1.5. Please refer to the RayQC User Guide, or contact your Raynet representative for further details regarding checklist upgrade strategies.

4th Level of Indentation

RayQC checklist elements are organized in grouped hierarchical tree structures. Former product versions offered a maximum of three levels of nesting, whilst RayQC 1.5 allows to build checklists with a depth 4 levels.

Internal Plugins

Users with experience in working with RayQC will notice a change in the plugin control system: Whilst older RayQC versions allowed to directly define a `command` attribute for elements, the latest development has bundled all internal plugins into a shared plugin configuration control interface. Whenever new checklists are created with the Checklist Editor interface, commands must be defined by using this plugin system.

However, RayQC still supports existing checklists which use the `command` attribute, but automatically replaces the old markup with the new version when a checklist is loaded for edition.

Plugin Schema Update

Whilst former product releases accepted external plugin versions as `unsignedByte`, the latest schema definition in RayQC 1.5 demands plugin versions to be defined as string values.

Please notice the `PluginSchema.xsd` update in this regard:

```
<xs:attribute name="version" type="xs:unsignedByte" use="required" />
```

has been changed to

```
<xs:attribute name="version" type="xs:string" use="required" />
```

Dedicated Command Bar Options

The command bar options for the Checklist Viewer and Checklist Editor have been re-organized to provide exactly the functionality that is needed in the active interface mode:

Both modes provide options to save checklists and templates, generate reports, update RayFlow, export to RayFlow, and check conditions.

Additionally, the Checklist Viewer offers a buttons to trigger result bypassing, running all plugins as a sequence, and resetting the current project status.

Resolved Issues

- **Get Started Page empty**

The CHM file is now opened by clicking this tile on the Home screen.

- **When plugin schema is missing the error messages are misleading**

Now, when a XSD file is missing, RayQC will not start, but write a logical error message in its log file.

- **No action after clicking on result tile on the bottom**

The mouse icon now changes to a hand when hovered over a tile. Clicking the tile causes the checklist to focus the first affected item within the checklist sequence.

- **Run All function executes invisible plugins**

The Run All function has been updated to execute only those plugins, that are integrated into available (visible) checklist items.

- **ByPass function is active when checklist is incomplete**

In previous versions of RayQC, the bypass function was active throughout the checklist's lifecycle, which caused the checklist to be automatically set to passed once completed if the bypass function was used when the checklist was in an incomplete state. The bypass function now becomes active only once the checklist is complete.

- **RayQC could not be closed properly from a minimized state**

When RayQC had been minimized, it could not be closed via the right-click "Close window" option available from the task bar. This issue has been fixed.

- **Confirm bar stretched over two active monitors**

When a user has two active monitors attached to a machine that runs a former version of RayQC, the confirmation bar car is stretched across both monitors under certain conditions. This issue has been fixed for RayQC 1.5

- **Default log file location required elevated rights**

Due to access right issues, the default location of the RayQC log file has been changed from the application root directory (e. g. `C:\Program Files (x86)\RayQC\`) to the standard Program Data directory.

Known Issues

- **Animation Switch Removed**

Relating to an issue with the interface, the Animation switch, which was previously available in the Settings snap-in has been removed. By default, animation will be the default behavior of the interface, with no option to deactivate it.

- **Export to PDF**

Due to a critical issue found with the export to PDF function, this feature has been disabled in this release. It will be re-enabled as soon as the internal issues of the third party library have been rectified by its authors.

System Requirements

The given requirements name prerequisites for devices running the RayQC application.

Hardware Requirements

Minimal

- CPU Pentium IV / Core2 processor
- 2 GB RAM
- 1 GB free hard disk
- 1280x1024 screen resolution

Recommended

- CPU Intel Core i5 or i7
- 8GB RAM
- 40 GB free hard disk (software library usage)

Supported OS

- Windows 8.1 x64
- Windows 8
- Windows 8 x64
- Windows 7
- Windows 7 x64
- Windows Vista
- Windows Vista x64
- Windows XP Professional SP3

Prerequisite Software

- .Net 4.0 Full (32bit or 64bit)

Additional Information

Once RayQC is installed on a machine, there are additional documents available from the applications root directory:

- The **Get Started Guide** provides a quick start guide to introduce RayQC core functionality.
- The **User Guide** contains the full set of product documentation for in-depth reference and assistance on advanced use cases.
- The **Operations Supplement** document is a bundle of license information regarding all third party libraries incorporated into RayQC.

Visit www.rayqc.de for further information regarding the product and current community incentives.

Raynet is looking forward to receiving your feedback from your RayQC experience. Please contact your Raynet service partner or write an e-mail to support@raynet.de to add your ideas or requirements to the RayQC development roadmap!

Need Help?

Request RayQC Support

Our Raynet support team gladly assists you on any question or issue you encounter regarding RayQC. Feel free to sign in and open incidents via our Raynet support panel, or by simply sending an email to support@raynet.de if you are an already registered Raynet customer.

Contact your Raynet Sales Representative

Our sales team is the right contact for any license or edition question you might encounter. You would like to benefit from a professional RayQC training? Ask for dates and locations to find the fitting training occasion. You are highly welcome to step in contact via sales@raynet.de.

Software Packaging Quality Control

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