

## RELEASE NOTES

# NI Requirements Gateway

## Version 1.1

These release notes contain NI Requirements Gateway 1.1 system requirements, installation instructions, information about new features, and other changes since Requirements Gateway 1.0.

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## Getting Started

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The best way to familiarize yourself with Requirements Gateway is to explore the *Guide to Requirements Gateway Documentation* topic in the *NI Requirements Gateway Help*, which contains links to all the Requirements Gateway documentation in electronic format. Select **Start»All Programs»National Instruments»Requirements Gateway x.x»Documentation»NI Requirements Gateway Help** or select **Help»Help Topics** in the Requirements Gateway main window to access the *NI Requirements Gateway Help*.

## Recommended System Requirements

National Instruments recommends the following minimum system requirements to run Requirements Gateway 1.1:

- Microsoft Windows 2000 Service Pack 3 or later, Windows XP Service Pack 2 or later, or Windows Vista (32- and 64-bit) Business, Enterprise, or Ultimate Service Pack 1
- Pentium 4/M or equivalent processor (Pentium III, Celeron 866 Mhz, or equivalent minimum)
- 256 MB of memory
- 70 MB of free hard disk space
- SVGA resolution or higher video adapter (800 × 600 minimum video resolution)
- Microsoft Internet Explorer 6.0 or later
- Microsoft-compatible mouse

Use the following National Instruments application development environments (ADEs) with Requirements Gateway 1.1:

- LabVIEW 7.1.1 or later
- LabWindows™/CVI™ 7.0 or later
- NI TestStand 3.1 or later
- MATRIXx 7.1.6, 7.1.7, or 7.1.8

Requirements Gateway 1.1 is compatible with the following third-party products:

- Telelogic DOORS 7.1 or later  
**(Windows Vista)** DOORS 9.0 or later
- IBM Rational RequisitePro 2003 or later

- Microsoft Word 2003 or later
- Microsoft Excel 2003 or later
- Microsoft Access 2003 or later
- Microsoft Visio 2003 or later



**Note** Requirements Gateway 1.1 was not tested for compatibility with other versions of these third-party products but should be compatible with other versions.

Requirements Gateway exposes an ActiveX interface, but the interface is intended for internal use only and is not supported. National Instruments reserves the right to remove or alter the interface without notice in the future.

Refer to the *Known Issues* section of the `Readme.html` file, located on the Requirements Gateway CD and in the `<Requirements Gateway>\Doc` directory, for possible solutions to any problems you might encounter while installing Requirements Gateway.

## Installation Instructions

Unless you specify another location during installation, the Requirements Gateway installation program copies files to `<Program Files>\National Instruments\Requirements Gateway x.x`.

National Instruments recommends exiting all programs before running the Requirements Gateway installer. Applications that run in the background, such as virus scanning utilities, might cause the installer to take longer than average to complete.



**Note** You must log in as a user with administrator privileges to install Requirements Gateway and when a reboot is requested.

Complete the following steps to install Requirements Gateway.

1. Insert the Requirements Gateway CD into the CD-ROM drive. If the CD startup screen is not visible, select **Start>Run** and run `setup.exe` from your CD.
2. Follow the instructions in the dialog boxes.

# Activating Requirements Gateway Licenses

After you install Requirements Gateway, you must use the NI Activation Wizard to activate the software.



**Note** When you activate Requirements Gateway 1.1, you need the product serial number and the name of the product for the serial number. You can find both of these items on the proof-of-ownership and registration card you received with the product.

Refer to the *Activating Your Software* topic in the *NI Requirements Gateway Help* for more information about how to activate Requirements Gateway.

If you do not activate a valid license, Requirements Gateway runs in Evaluation Mode and continues to prompt you to activate a license on each subsequent launch. In Evaluation Mode, you can use all the features of the product for 30 days. After the 30-day evaluation period expires, you must use the NI Activation Wizard to activate a valid license to continue using the software.



**Note** This section is designed to assist you in understanding the licensing policies for NI Requirements Gateway. This document does not replace the National Instruments Software License Agreement and should only be used as a reference.

## Upgrading

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When you upgrade to a new version of Requirements Gateway, you can install the new version on the same computer that already has an existing version of Requirements Gateway installed. Use the Requirements Gateway Install Utility to configure the active version of Requirements Gateway when you install or uninstall a particular version of Requirements Gateway.

## Installing Multiple Versions of Requirements Gateway on the Same Computer

You can install Requirements Gateway on a computer that contains a previous Requirements Gateway version, but you cannot install Requirements Gateway 1.1 over a previous Requirements Gateway version. You must first uninstall a previous Requirements Gateway version to install Requirements Gateway 1.1 in the same directory.

## Requirements Gateway Install Utility

Although you can install Requirements Gateway 1.1 on a computer that contains a previous Requirements Gateway version, only one version of Requirements Gateway can be active at a time. If you must install Requirements Gateway 1.1 on the same computer as a previous Requirements Gateway version, use the Requirements Gateway Install Utility to specify the active version of Requirements Gateway. Select **Start»All Programs»National Instruments»Requirements Gateway»Requirements Gateway x.x»Install Utility** to launch the Requirements Gateway Install Utility application, which is located at `C:\Program Files\National Instruments\Shared\NIRGUtility\NIRGUtility.exe`.

**(Windows Vista)** Windows Vista launches a User Account Control (UAC) elevation prompt for you to manually resolve when you launch the Requirements Gateway Install Utility.



**Note** You must always use the Requirements Gateway Install Utility to configure the version of Requirements Gateway you want to use after uninstalling a different version of Requirements Gateway. If you do not run the Requirements Gateway Install Utility after uninstalling a particular version of Requirements Gateway, the remaining version of Requirements Gateway no longer associates with the existing Requirements Gateway files.

## Directory Relocation

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To comply with Windows Vista restrictions on writing to the `Program Files` directory and to improve usability for Windows 2000/XP users who do not have permission to write to the `Program Files` directory, Requirements Gateway 1.1 installs some files in different locations from Requirements Gateway 1.0.

Table 1 lists the previous directory locations in Requirements Gateway 1.0 and the new locations in Requirements Gateway 1.1. The Requirements Gateway documentation and Table 1 refer to these directories in the following ways:

- **<Requirements Gateway>**—Located by default at `C:\Program Files\National Instruments\Requirements Gateway x.x` on Windows 2000/XP and Windows Vista (32-bit) and at `C:\Program Files (x86)\National Instruments\Requirements Gateway x.x` on Windows Vista (64-bit).

- **<Requirements Gateway Public>**—Located by default at C:\Documents and Settings\All Users\Documents\National Instruments\Requirements Gateway x.x on Windows 2000/XP and at C:\Users\Public\Documents\National Instruments\Requirements Gateway x.x on Windows Vista.

**Table 1.** Requirements Gateway Directory Relocation

Location in Requirements Gateway 1.0	Location in Requirements Gateway 1.1
<Requirements Gateway>\Examples	<Requirements Gateway Public>\Examples
<Requirements Gateway>\Tutorial	<Requirements Gateway Public>\Tutorial

The <Requirements Gateway Public> directory also contains a Config subdirectory. Refer to the <Requirements Gateway Public>\Config Directory section for information about the Config subdirectory.

## <Requirements Gateway Public>\Config Directory

In addition to the Examples and Tutorial subdirectories, the <Requirements Gateway Public> directory also contains a Config subdirectory that contains doc\_models, doc\_templates, images, and types subdirectories. These subdirectories are writable copies of the read-only subdirectories in the <Requirements Gateway>\config directory.

### doc\_models Subdirectory

When you use the Reports pane of the Configuration dialog box to create a custom report, Requirements Gateway stores the report in the same directory as the project. You can also place the report in the **Public Reports** folder in the Report List on the Reports pane. The Public Reports folder is accessible for all projects, and Requirements Gateway stores the report structures for the Public Reports folder in <Requirements Gateway Public>\Config\doc\_models\Public Reports.xml.

The <Requirements Gateway>\config\doc\_models\Library Reports.xml file contains the report structures for the built-in reports, which are read-only. Refer to Chapter 4, *Generating Reports*, of the *Getting Started with NI Requirements Gateway* manual and Chapter 4, *Customizing Reports*, of the *NI Requirements Gateway Customization Guide* for more information about customizing reports.

## doc\_templates Subdirectory

The <Requirements Gateway Public>\Config\doc\_templates directory contains the custom templates for report formats that you want to make available for all projects. The custom template becomes available from the Template ring control on the Reports pane of the Configuration dialog box and from the Save As dialog box when you generate a report. This directory is empty by default. Refer to the *NI Requirements Gateway Help* for more information about using and customizing report templates.

## images Subdirectory

The <Requirements Gateway Public>\Config\images directory contains custom bitmap files that you can use as icons for custom types or type elements. The bitmap file must be 16 x 16 pixels and you must include a corresponding mask icon. Requirements Gateway uses the icon files in this directory and the <Requirements Gateway>\config\images directory to populate the Select icon dialog box, which you can launch by clicking the **Icon** button on the Types pane of the Configuration dialog box for a custom type or type element. The <Requirements Gateway Public>\Config\images directory is empty by default. Refer to the *NI Requirements Gateway Help* for more information about the options on the Types pane and using icons for custom types.

## types Subdirectory

When you use the Types pane of the Configuration dialog box to create a custom type, Requirements Gateway stores the type information in the same directory as the project. You can also place the type in the **public** folder in the Types List on the Types pane. The public folder is accessible for all projects, and Requirements Gateway stores the type definitions for the public folder in <Requirements Gateway Public>\Config\types\public\public.types. The built-in types files in the <Requirements Gateway>\config\types directory are read-only, and you cannot edit the default type definitions on the Types pane of the Configuration dialog box. Refer to Chapter 5, *Customizing Types*, of the *Getting Started with NI Requirements Gateway* manual and Chapter 2, *Customizing Types and Type Elements*, of the *NI Requirements Gateway Customization Guide* for more information about creating custom types.

# What's New in Requirements Gateway 1.1

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New features in Requirements Gateway 1.1 include marks, the type for added elements, changes to existing types, the new Checksum type, compatibility with Windows Vista, and other enhancements since Requirements Gateway 1.0.

## Marks

In Requirements Gateway 1.0, each time you reload a project, orange icons indicate the differences detected since the last time you opened the project. Requirements Gateway displays the icons only the first time you reload after you make a change. The icons disappear if you reanalyze the project without modifying any documents.

In Requirements Gateway 1.1, you can apply permanent marks to elements so that you can continue to modify and reload a project several times and track the modified elements across several iterations of a project configuration. You can also apply marks to the results of a search that you perform when you select **Edit»Find** in the main window. All marks persist until you manually remove them.

Refer to the *NI Requirements Gateway Help* for more information about using marks in a project.

## Type for Added Elements

Types define the traceability information you can add to a document, such as references, attributes, links, and text. The type applied to a document defines the required syntax that must exist in a document or in an intermediate file for a document in order for Requirements Gateway to properly analyze traceability information.

You can create and use a type for added elements in a project to allow users to directly add traceability elements in Requirements Gateway without requiring you to edit an original document. You must configure a project document to use a modification document that uses a type for added elements. Requirements Gateway provides options in the context menus of the views in the main window for adding the elements to the document. Requirements Gateway stores added element information directly in the modification document.

You can use a type for added elements to modify one or more documents in a project without requiring you to customize default types or modify an original project document.

Just as with the default types, you can save the type for added elements in a public directory so you can reuse the type for all projects.

Refer to the *NI Requirements Gateway Help* for more information about creating and configuring a type for added elements, adding the type to a project, and using modification documents.



# Changes to Existing Types

Requirements Gateway 1.1 updates the LabVIEW, NI TestStand, Microsoft Word, Microsoft Excel, Microsoft Access, Telelogic DOORS, and Code C types.

## LabVIEW

If your project used LabVIEW documents or if you created snapshots of a project that used LabVIEW documents, you must reanalyze the project in Requirements Gateway 1.1. The structure of the XML in the intermediate file in Requirements Gateway 1.1 differs from the structure in Requirements Gateway 1.0, so when you reanalyze the project, existing elements appear as modified, deleted, or new.

The new XML structure supports new tags and attributes and removes or renames existing attributes and elements to support additional information from LabVIEW VIs, controls, and indicators. In addition, the XML structure includes only elements from the front panel and block diagram if the element specifies traceability information that matches the expression for a requirement or reference element of the type.

You can still load a LabVIEW intermediate file from Requirements Gateway 1.0 in Requirements Gateway 1.1, but you cannot perform additional analysis on the file. If you want to continue to track changes to the traceability information in a LabVIEW intermediate file from Requirements Gateway 1.0, create a snapshot of the project or leave Requirements Gateway 1.0 installed on your computer so you can continue to reanalyze the old file.

The LabVIEW type includes the following new features and changes:

- Requirements Gateway can optionally analyze VI block diagrams to identify traceability information specified in the descriptions and labels of block diagram structures, functions, and wires. Diagram analysis is disabled by default. Select the **Analyze Diagrams** variable from the **Variable** ring control and enable the option in the **Value** column for the LabVIEW document on the Document Details pane of the Project pane of the Configuration dialog box for a LabVIEW document to instruct Requirements Gateway to analyze the block diagrams of the VIs in the document.



**Note** Enabling the Analyze Diagrams variable for a document increases the time required for Requirements Gateway to analyze the document.

- The type supports analyzing LabVIEW project and library files. When you click the Add LabVIEW File button in the Select Files to Include in Document dialog box to add a LabVIEW file to include in the LabVIEW document in the Requirements Gateway project, you can now add `.lvproj` and `.lvlib` files.
- The Select Files to Include in Document dialog box includes a new Passwords button that launches the Add Password(s) dialog box, in which you can specify passwords that Requirements Gateway uses to access protected VIs. Requirements Gateway saves the passwords along with the document settings in the `.rqt.f` project file.

In Requirements Gateway 1.0, Requirements Gateway prompted you for a password when Requirements Gateway could not access a protected VI. Use the Add Password(s) dialog box in Requirements Gateway 1.1 to specify passwords before analyzing a LabVIEW document to help streamline the functionality of the LabVIEW type.

- In Requirements Gateway 1.0, you can navigate only to VIs. In Requirements Gateway 1.1, you can also navigate to control elements of front panels and node elements of block diagrams.
- In Requirements Gateway 1.0, when you right-click an upstream requirement that you want a downstream LabVIEW document to cover and select **Copy For** from the context menu, you can select only LabVIEW Reference to create the proper syntax for a reference in which a VI covers the upstream requirement.

In Requirements Gateway 1.1, you can select LabVIEW Description Reference or LabVIEW Text Reference to create the proper syntax for a reference in which the description or text of a LabVIEW control covers an upstream requirement. The syntax for a LabVIEW Description Reference and a LabVIEW Text Reference are identical, but the LabVIEW type formats the XML of the intermediate file in such a way that a LabVIEW control can have text and a description. You can create a custom LabVIEW type that specifies different syntax for description and text references.

## NI TestStand

The Select Files to Include in Document dialog box includes a new Passwords button that launches the Add Password(s) dialog box, in which you can specify passwords that Requirements Gateway uses to access protected TestStand files. Requirements Gateway saves the passwords along with the document settings in the `.rqt.f` project file.

In Requirements Gateway 1.0, this option did not exist, and Requirements Gateway did not load any password-protected TestStand files.

## Microsoft Word

In Requirements Gateway 1.0, the default Word type defined four levels of section elements to capture headings that used specific paragraph styles in Word, such as Heading 1, Heading 2, and so on.

In Requirements Gateway 1.1, the default Word type defines an integer value for the heading level that a specific paragraph style in Word specifies so that you can capture any level of section heading. For example, the Word type can capture a section element that uses a Heading 5 paragraph style, and the Word type recognizes the information as a fifth-level heading during analysis.

If you want to persist the behavior from Requirements Gateway 1.0 in Requirements Gateway 1.1, you can customize the default Word type in version 1.0 and reuse the custom type in version 1.1 instead of the default type. Copy the custom `.types` file from version 1.0 to the `<Requirements Gateway Public>\Config\types\public` directory in version 1.1 to reuse the custom type, which becomes available in the **public** folder in the Types List on the Types pane of the Configuration dialog box in version 1.1.

When you specify Word as the type for a project document, you can now select the following new variables from the **Variable** ring control on the Document Details pane of the Project pane of the Configuration dialog box. Enable the option in the **Value** column on the Document Details pane to activate the selected variable.

- **With Bookmarks**—Converts bookmark content to a form that Requirements Gateway can read and include in the analysis.
- **With Annotations**—Converts annotation content to a form that Requirements Gateway can read and include in the analysis.
- **One Cell Per Line**—Adds a carriage return between each column of a table.

The default Word type does not support Word 2007 (`.docx`) files, but you can use Word 2007 in compatibility mode to open Word 2003 or earlier (`.doc`) files. Requirements Gateway includes a new WordX type for capturing traceability information from a single Word 2007 file.



**Note** The WordX type does not support the With Annotations and One Cell Per Line document variables.

## Microsoft Excel

You can now specify the location in an Excel document in which Requirements Gateway inserts traceability information. The default location is cell A1.

When you specify Excel as the type for a project document, you can now select the following new variable from the **Variable** ring control on the Document Details pane of the Project pane of the Configuration dialog box:

- **Worksheet**—Specifies that you want to capture traceability information from one or more specific worksheets in an Excel document. Enter the names of the sheets, separated by commas, in the **Value** column.

The default Excel type does not support Excel 2007 (.xlsx) files, but you can use Excel 2007 in compatibility mode to open Excel 2003 or earlier (.xls) files. Requirements Gateway includes a new ExcelX type for capturing traceability information from a single Excel 2007 file.

## Microsoft Access

You can now specify that you want Requirements Gateway to analyze more than one table in an Access document. When you add an Access document to a project, the Table variable becomes available in the **Variable** column on the Document Details pane of the Project pane of the Configuration dialog box. Enter the names of the tables, separated by an exclamation point (!), in the **Value** column of the Document Details pane.

## Microsoft Visio

The Visio type can capture traceability information from the shape data of a Visio 2007 drawing. Shape data in Visio 2007 corresponds to custom properties in Visio 2003. Refer to the *Coupling Microsoft Visio with NI Requirements Gateway* document for more information about capturing traceability information from shape data in Visio 2007.

## Telelogic DOORS

Requirements Gateway 1.1 supports Telelogic DOORS 8.1, 8.2, 8.3, and 9.0 and includes a progress bar to indicate the status of exporting traceability information to DOORS modules.



**Note** Requirements Gateway supports only DOORS 9.0 on Windows Vista.

The Module name variable for the DOORS Basic and DOORS Advanced types is obsolete. The types now use the following new variables you can select from the **Variable** ring control on the Document Details pane of the Project pane of the Configuration dialog box:

- **Baseline**—Specifies the baseline you want to extract from the DOORS database. Enter the baseline in the **Value** column on the Document Details pane. You can also specify a baseline for a database in the **Baseline** control in the Select DOORS module dialog box.

- **Server**—Specifies the server you want to consider for the DOORS database. Enter the server name in the **Value** column. You can also specify a server for the database in the **Server** control in the Select DOORS module dialog box.
- **Extract objects from**—Specifies that you want to use a DOORS Extension Language (DXL) regular expression to extract objects from a DOORS module. Enter the DXL regular expression in the **Value** column. When a parent object satisfies requirements, all sub-objects are extracted. Refer to the *Coupling Telelogic DOORS with NI Requirements Gateway* document for more information about extracting objects from a DOORS module. Refer to DOORS documentation for more information about DXL expressions.

Refer to Chapter 10, *Using NI Requirements Gateway with Telelogic DOORS*, of the *Getting Started with NI Requirements Gateway* manual for more information about the Select DOORS module dialog box.

## Code C

In Requirements Gateway 1.0, if a C-style comment block (`/* . . . */`) contained a reference to a function but one or more lines, including other comment blocks, separated the function from the comment block, the Code C type associated the reference with the code file itself instead of the function.

In Requirements Gateway 1.1, the Code C type associates the reference with the function as long as no blank lines separate the comment block that contains the reference and the function. You can insert multiple comment blocks between the reference and the function, and the Code C type still associates the reference with the function. If any blank lines separate the reference from the function, or if the reference does not appear immediately above the function, the Code C type associates the reference with the file itself.

When you specify Code C as the type for a project document, you can now select the following new variable from the **Variable** ring control on the Document Details pane of the Project pane of the Configuration dialog box:

- **Includes function body**—Captures the text associated with functions in a C source file so that you can track changes to traceability information stored in the associated text. Enable the option in the **Value** column on the Document Details pane to activate this variable.

## Checksum Type



Requirements Gateway 1.1 includes a new Checksum type, which uses the icon shown at left. The Checksum type provides a high-level analysis of multiple directories and files, and does not capture any specific traceability information from the source files. Instead, the type stores the date and time of the file modifications and a Message-Digest algorithm 5 (MD5) signature for the file as attributes. Refer to the *Checksum* section of Appendix A, *Third-Party Types Overview*, of the *Getting Started with NI Requirements Gateway* manual for more information about the attributes of the Checksum type.

When you apply a Checksum type to a document, specify the files and directories for the Checksum document in the project and use the Graphical View to create internal coverage links to add traceability information to the document. Requirements Gateway creates modification documents for these links.

Refer to the *Coupling Checksum with NI Requirements Gateway* document for more information about using the Checksum type. You can also refer to `<Requirements Gateway Public>\Examples\Checksum\Checksum Example.rqt.f` for an example of using the Checksum type in a project.

## Requirements Gateway and Windows Vista

The User Account Control (UAC) security component in Windows Vista requires administrator privileges for some tasks, such as installing software, running certain applications, and changing system settings. If you are logged in as a standard user, Vista launches a UAC elevation prompt for prohibited tasks. You cannot resolve the UAC elevation prompts programmatically. Refer to Microsoft documentation for more information about UAC prompts.

## Other Requirements Gateway Enhancements

Requirements Gateway 1.1 includes the following additional enhancements:

- In the Graphical View, you can expand or collapse sections within a document.
- The *NI Requirements Gateway User's Manual* no longer exists, and the content has been moved to the *NI Requirements Gateway Help*.
- Select **Edit»Undo** or **Edit»Redo** in the main window or in the Configuration dialog box to undo or redo the creation of new elements in a project, including attributes, reference attributes, and coverage links. You can also use the keyboard shortcuts `<Ctrl-Z>` and `<Ctrl-Y>` to perform undo and redo operations, respectively.

- You can now generate reports in PDF and PostScript format. The `<Requirements Gateway>\config\doc_templates` directory contains `landscape.style` and `portrait.style` files that contain the format definitions for generating PDF and PostScript reports.
- The picture element can now support the PNG file format.
- Right-click a reference element in the Graphical View and select **Add a reference attribute** from the context menu to add a Boolean or Value reference attribute. The type that contains the reference element must support the reference attribute element for you to add reference attributes to the reference. Refer to the *NI Requirements Gateway Help* for more information about adding reference attributes and using the Graphical View.
- In the Requirement Details view, you can now resize and move columns, sort the requirements based on attribute values or requirement IDs, and copy and paste attribute values. When you add a type for added elements to a project, the Requirement Details view lists attributes you add for the type and contains an Added text tab on the Detailed Information pane so you can add text to the existing requirement text.
- On the Project pane of the Configuration dialog box, the Access column on the Document Details pane contains an **HTTP** option you can use to instruct Requirements Gateway to retrieve the source file from a website or FTP location using a direct HTTP connection. The Access column is available for types that select individual file-based documents. You might use the HTTP option for the Text type, Code C type, or a custom type that analyzes an XML file. When you select HTTP access, click the **File Browse** button in the File or Directory column and specify a complete URL for the file.  
  
The **Authenticated access** and **Proxy** variables also become available in the Variable column. Select the **Authenticated access** variable if a password is required to access the URL of a source file. When you select this variable, Requirements Gateway prompts the user to log in while attempting to analyze the project. You can also specify the password directly in a URL, such as `ftp://user:password@ftp.ni.com`. Select the **proxy** variable if you must use a proxy to access shared files. When you select this variable, you must specify the proxy address in the Value column.
- When you include two or more documents in a folder in the Traceability Description Zone on the Project pane of the Configuration dialog box, you can now create a coverage link between the documents just as you can between two documents not contained in a folder. Refer to the *NI Requirements Gateway Help* for more information about inserting coverage links between documents and folders.

- You can now zoom in and out on the Traceability Description Zone of the Project pane of the Configuration dialog box. Place the cursor in the Traceability Description Zone, press <Ctrl>, and scroll the mouse wheel up or down to zoom in or out, respectively.
- The Types List on the Types pane contains a public folder in which you can place types to make them available for all projects. Requirements Gateway saves the type definitions in the public folder in <Requirements Gateway Public>\Config\types\public\public.types.
- The Types pane of the Configuration dialog box now contains the following tabs, depending on the element you select in the Types List:
  - **Analysis Tab**—Options for capturing elements of the type you select in the Types List. The Analysis tab replaces the pane for standard type options.
  - **Advanced Options Tab**—Additional options for the type. This tab is available only when you select the root node of a type from the Types List. The Advanced Options tab replaces the Advanced Options dialog box.
  - **Attributes Tab**—Options for capturing attributes and specifying the acceptable values for the attributes. This tab is available only when you select the attribute element of a type in the Types List. The Attributes tab replaces the pane for attribute options.
- On the Snapshots pane of the Configuration dialog box, the Reports menu now contains a **Snapshots Impact Analysis** option for generating a report that summarizes the differences between the current state of the project and the selected reference snapshot, or between two reference snapshots, and lists the upstream and downstream impact of the changes.
- You can duplicate an existing filter to use as a template for a new filter. Right-click a filter in the Filters List on the Filters pane of the Configuration dialog box and select **Duplicate filter** from the context menu to create a duplicate filter.
- The Report List on the Reports pane contains a Public Reports folder in which you can place reports to make them available for all projects. Requirements Gateway saves the report models in the Public Reports folder in <Requirements Gateway Public>\config\doc\_models\Public Reports.xml.



- The Options pane of the Configuration dialog box now contains the following tabs:
  - **General Tab**—Options that apply to the entire Requirements Gateway application on your computer.
  - **Environment Tab**—Options for specifying environment variables that apply only to the currently opened project.
  - **Project Tab**—Options that apply only to the currently opened project.
- On the Options pane of the Configuration dialog box, the Misc section on the General tab now includes a **Default type for directory drag and drop** option so that you can specify a multiple-document type for a project directory that you drag from outside Requirements Gateway and drop into the Traceability Description Zone on the Project pane. You can specify Code, Large Code, Code C, or Multi Word as the type for the directory.

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