IBM Requirements Quality Assistant uses IBM Watson to help developers accelerate requirements review process, remove risk and ambiguity in authoring phase, and improve overall product quality

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At a glance

IBM(R) Requirements Quality Assistant is designed to help:

- Improve overall product quality by reducing ambiguous, incomplete, and poorly structured requirements in the early requirements definition phase of a project before they result in costly defects downstream
- Accelerate the requirements review process by providing the requirements authors with the capability to score the quality of their requirements and fix them before a review meeting
- Reduce training costs for junior requirements authors by packaging a pretrained artificial intelligence (AI) model that is designed to be consistent with industry best practices for writing high quality requirements, such as INCOSE Guidelines for Writing Good Requirements

Overview

Requirements management is critical to the success of any engineering project. The cost of errors in defining requirements increases exponentially as the project moves through subsequent stages. Poor requirement definition results in project delays, cost overruns, and poor product quality.

Requirements Quality Assistant enhances the requirement management toolset of IBM DOORS Next Generation with IBM Watson AI, improving the requirements definition process by flagging poorly structured, incomplete, and ambiguous requirements and providing guidance to the requirements author on how to improve them. Watson AI uses natural language processing and understanding to analyze a requirement’s text, suggesting improvements that leverage industry best practices for writing high quality requirements, such as INCOSE Guidelines for Writing Good Requirements.

The Requirements Quality Assistant is embedded inside the DOORS(R) Next Generation requirements management tool. By integrating Requirements Quality Assistant into DOORS Next Generation, requirements authors can access Watson’s expertise and improve the quality of their requirements as they write them. With a built-in, pretrained AI, Requirements Quality Assistant provides 10 quality indicators.

Requirements Quality Assistant can be downloaded locally as a plug-in to the DOORS Next Generation requirements management tool. Requirements authors can interact with WatsonTM through this plug-in by selecting requirements for analysis.
The plug-in will score the quality of the requirement and present suggestions to the author on how to improve the requirement. Requirements reviewers in turn receive clear, consistent, and complete requirements from these authors, enabling them to review for technical intent instead of structural issues.

**Key prerequisites**

- Internet connection
- Browser

Information about key prerequisites is available in IBM Knowledge Center.

**Planned availability date**

January 31, 2019

**Section 508 of the US Rehabilitation Act**

IBM Requirements Quality Assistant is capable, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Accessibility Conformance Statement can be requested on the Product accessibility information website.

**Program number**

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<th>VRM</th>
<th>Program name</th>
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<tr>
<td>5900-A32</td>
<td>Cloud Service</td>
<td>IBM Requirements Quality Assistant</td>
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**Offering Information**

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage® and Passport Advantage Express® website.

**Publications**

No publications are shipped with these programs.

Documentation is published in IBM Knowledge Center.

**Services**

**Software Services**

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**Technical information**

**Specified operating environment**

**Hardware requirements**

None

**Software requirements**

- Internet connection
- Browser

**Planning information**

**Packaging**

This offering is delivered through the internet. There is no physical media.

**Ordering information**

For ordering information, consult your IBM representative or go to the [Passport Advantage](#) website.

This product is only available through Passport Advantage. It is not available as shrinkwrap.

Product Group: Software Change and Configuratn Mgt

Product: IBM Requirements Quality Assistant

Product Category: Software Change and Configuratn Mgt

**Passport Advantage**

IBM Requirements Quality Assistant (5900-A32)

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**Charge metric**

Definitions of the charge metrics for this cloud service can be found in the following Service Description document:

<table>
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<th>Program name</th>
<th>PID number</th>
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<tr>
<td>IBM Requirements Quality Assistant</td>
<td>5900-A32</td>
<td>7191-06</td>
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</table>

See the [Cloud Services terms](#) website to find the listed service description document number that corresponds to the date of this announcement. Select your language of choice and scroll down to the Charge Metrics section.

**Terms and conditions**
The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction for the acquisition of cloud services from IBM consist of either the IBM Cloud™ Services Agreement and the applicable offering Service Description or the IBM International Passport Advantage Agreement or the International Passport Advantage Express Agreement and the IBM Terms of Use -- General Terms for Cloud Offerings and the applicable offering Service Description.

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**Technical support**

Technical support is provided for cloud services and enabling software, as applicable, during the subscription period. Any enhancements, updates, and other materials provided by IBM as part of any such technical support are considered to be part of the cloud service, as applicable, and therefore governed by the applicable agreement as defined in client's quote or transaction document. Technical support is included with the cloud service and is not available as a separate offering.

Additional technical support information for this cloud service offering may be found in the IBM Support Handbook or in service-specific documentation.

**Terms of Use**

Cloud service offering-specific terms are available on the Cloud Service terms website.

**Limited warranty**

See the warranty defined in the applicable agreement governing client's acquisition for this offering.

**Money-back guarantee**

No

**Volume orders (IVO)**

No

**Passport Advantage applies**

Yes, information is available on the Passport Advantage and Passport Advantage Express website.

**Software Subscription and Support applies**

No

**Variable charges apply**

No

**Educational allowance available**

Not applicable.

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**Statement of good security practices**
IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

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Prices

Passport Advantage
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