Red Hat Application Migration Toolkit 4.3

Red Hat Application Migration Toolkit 4.3.1 Release Notes

New features and changes in this release.

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Abstract

These release notes describe the new features and changes implemented for the Red Hat Application Migration Toolkit (RHAMT) 4.3.1 release.

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CHAPTER 1. INTRODUCTION

These release notes describe the new features and changes implemented for the Red Hat Application Migration Toolkit (RHAMT) 4.3.1 release.

CHAPTER 2. NEW FEATURES

2.1. NEW RULES FOR MIGRATING TO RED HAT JBOSS EAP 7.3

This release contains a new set of rules to support migration to the latest release of Red Hat JBoss Enterprise Application Platform.

2.2. NEW RULES FOR MIGRATING TO APACHE CAMEL 3

This release contains a comprehensive set of rules for migrating to Apache Camel 3 that cover all of the changes detailed in the Apache Camel 3 Migration Guide.

2.3. TARGET RUNTIME LABELS (INCLUDING CUSTOM TARGET RUNTIME LABELS)

The Target Runtime feature assesses all of the Technology Tags identified for each application for compatibility with specific runtimes. JBoss EAP and JWS are the two Target Runtime definitions that are included in the RHAMT distribution. Target Runtime definitions are extensible enabling you to use custom Target Runtimes in analysis executions.

2.4. RHAMT EXTENSION FOR VISUAL STUDIO CODE AND ECLIPSE CHE

This release introduces a Minimum Viable Product version of a RHAMT extension for Visual Studio Code and Eclipse Che. The extension contains all of the core features required to perform a RHAMT analysis in your development environment. For more information about the extension, visit the Visual Studio Marketplace. Note, that this release of the RHAMT extension for Visual Studio Code and Eclipse Che is a Minimum Viable Product release, and is still in development.

2.5. NEW RULES FOR MIGRATING SPRING BOOT TO RED HAT RUNTIMES

This release introduces a new set of rules for assessing the compatibility of applications against the versions of Spring Boot libraries supported by Red Hat Runtimes. These rules are executed when the **rhr** target is selected in the RHAMT analysis configuration.

2.6. NEW RULE CONDITION: <DEPENDENCY>

A new rule feature that can check the Group, Artifact and Version on all dependencies of an application. This feature was used to develop the new Spring Boot ruleset.

2.7. UPDATED WEB UI AND REPORTS

The Web application has been updated to version 7 of Angular resulting in a much more intuitive and modern user interface. The presentation of the RHAMT reports has been improved by upgrading them to Bootstrap version 3.4.1.

2.8. CUSTOM RULES WITH PROJECT AND GLOBAL SCOPE

Custom Rules, and Custom Target Runtime Labels, can be configured to have a project scope or a global scope. This means that you can activate them on one project or on all of your projects.

CHAPTER 3. KNOWN ISSUES

At the time of the release the following known issues have been identified as important issues worth highlighting. For a full list of all known issues and issues that have been identified since the release, see the 4.3.1 known issues JIRA filter .

Table 3.1. Known Issues

ID	Component	Summary
WINDUP-2593	Migration - Application	Rule **java-glassfish-groovy-01000** throws exception while testing the maven plugin for **weblogic-jms**
WINDUP-2420	Web UI	After analysis clicking on thee "short reports" link results in a "not found" page
WINDUP-2388	Rule Execution - XML-based	Pattern matching regexes not working properly
WINDUP-2371	Web UI	RHAMT is showing Forbidden error for results
WINDUP-2333	OpenShift Deployment	Cannot access reports when RHAMT installed on OpenShift Container Platform
WINDUP-2297	Windup Maven Plugin	Dependency conflicts on **org.apache.maven:maven-model:jar**, causing unexpected code behaviors
WINDUP-2264	IDE Plugin	Dependency conflicts on **org.apache.maven:maven-model:jar**, causing unexpected code behaviors
WINDUP-2147	OpenShift Deployment	Liveness probe for executor pod is tied to web console
WINDUP-2122	IDE Plugin	Better support for cleanly updating from one version of the plugin to another.
WINDUP-2025	Web UI & Windup-as-as-Service	Wrong time is displayed on analysis result page when there's an offset between server and client time
WINDUP-2010	IDE Plugin	**RHAMT_HOME** configuration should precede the setting of env variables in the IDE Plugin
WINDUP-2045	Web UI & Windup-as-a-Service	Analysis results table is not updated when analysis is in progress
WINDUP-2044	Web UI & Windup-as-a-Service	**windup-web** does not provide defaults for **standalone.conf.bat**

ID	Component	Summary
WINDUP-1972	Web UI & Windup-as-as-Service	Issues in application view: Embedded Framework / library does not show file
WINDUP-1976	Web UI & Windup-as-a-Service	Analysis Configuration wizard does not prompt for confirmation before losing unsaved data
WINDUP-1907	IDE Plugin	Jump to source location not working
WINDUP-2493	Reporting	RHAMT Project Level Dependency Graph - jar file erroneous linked to application archive
WINDUP-2463	Web UI	RHAMT Web UI - Configuration - dialog box asking user to save changes shows up even if no changes were made
WINDUP-2551	Technical Debt	Failure to run RHAMT on Zulu
WINDUP-2502	Web UI & Windup-as-a-Service	The Global Custom Rules can appear in the Project level select custom rules panel.
WINDUP-2591	Migration - Application	**exportCSV** does nor generate CSV file when the **skipReports** parameter is set
WINDUP-2546	Migration - Application	Analysis page does not show which app is being analyzed
WINDUP-2545	Migration - Application	Once an analysis configuration is created , editing the configuration and Saving it should show some notification
WINDUP-2519	Web UI & Windup-as-a-Service	Tables in Technology Bubble Map reports do not fit the screen on MacOS
WINDUP-2296	Migration - Application	RHAMT Analysis Fails due to lack of storage - Analysis appears to complete successfully
WINDUP-2251	Web UI & Windup-as-a-Service	Multiple instances of an **explodedApp** switch in a WebUI analysis configuration prevent dependency graph from correctly showing the exploded app
WINDUP-2247	Web UI & Windup-as-a-Service	Rules configuration page does not fit the screen in Internet Explorer 9
WINDUP-2246	Web UI & Windup-as-a-Service	Advanced Rules configuration options screen layout displayed incorrectly in Internet Explorer 9

ID	Component	Summary
WINDUP-2244	IDE Plugin	Every key stroke triggers a refresh when typing a Message in Markdown
WINDUP-2197	Web UI & Windup-as-a-Service	*Open* Button label is confusing when selecting source files for analysis
WINDUP-2163	OpenShift deployment, Web UI & Windup-as-a-Service	Active Analysis on OpenShift doesn't update until refresh
WINDUP-2121	IDE Plugin	**RHAMT_HOME** configuration should precede the setting of env variables in the IDE Plugin
WINDUP-2045	Web UI & Windup-as-a-Service	Analysis results table is not updated when analysis is in progress
WINDUP-2044	Web UI & Windup-as-a-Service	**windup-web** does not provide defaults for **standalone.conf.bat**
WINDUP-1976	Web UI & Windup-as-a-Service	Analysis Configuration wizard does not prompt for confirmation before losing unsaved data
WINDUP-1907	IDE Plugin	Jump to source location not working
WINDUP-2493	Reporting	RHAMT Project Level Dependency Graph - jar file erroneous linked to application archive
WINDUP-2313	IDE Plugin	Rules Wizard not respecting Rules schema order
WINDUP-2102	IDE Plugin	First Click on Issue Explorer item does not show Issue Details in the Browser window within an Eclipse

CHAPTER 4. RESOLVED ISSUES

At the time of the release the following resolved issues have been identified as important issues worth highlighting. For a full list of all issues resolved in this release, see the 4.3.1 resolved issues JIRA filter .

Table 4.1. Resolved Issues

ID	Summary
WINDUP-2372	Bubble report does not order by Stats columns
WINDUP-1966	Add multi-column sorting to the Technology reports screen
WINDUP-2525	**<where>** parameter in **<artifact>** condition does not work
WINDUP-2518	Misaligned labels and support information text not shown in the Application List
WINDUP-2517	Headings and bubbles in the UI are slightly misaligned
WINDUPRULE-459	Update docs link to the **move-to-microprofile-rest-client-1.3** rule section in the EAP 7.3 Migration Guide