



Red Hat Application Migration Toolkit 4.3

Red Hat Application Migration Toolkit 4.3.0 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) 4.3.0 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) 4.3.0 release.

CHAPTER 2. NEW FEATURES

2.1. 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.

2.2. 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.

2.3. 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.

2.4. 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](#).

2.5. 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.

2.6. 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 4.3.0 known issues JIRA filter](#).

Table 3.1. Known Issues

ID	Component	Summary
WINDUP-2455	Web console	RHAMT 4.2.1 web based throws forbidden issue
WINDUP-2420	IDE Plugin	After analysis, clicking on the <i>short reports</i> link results in a <i>not found</i> page
WINDUP-2388	Rule execution - XML-based	Pattern matching regular expressions does not work properly
WINDUP-2371	Maven Plugin	RHAMT is showing HTTP Error 403 Forbidden error when accessing reports.
WINDUP-2333	OpenShift	Cannot access reports when RHAMT is installed on OCP
WINDUP-2304	IDE Plugin	Update run configuration to include JDK instead of JRE
WINDUP-2297	Maven Plugin	Dependency conflicts on org.apache.maven:maven-model:jar , causing unexpected code behavior
WINDUP-2264	IDE Plugin	The IDE plugin sometimes cannot connect to the RHAMT server it just spawned
WINDUP-2147	OpenShift	The liveness probe for the message 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 console	Incorrect time is displayed on analysis result page when there is an offset between server and client time.
WINDUP-2010	IDE Plugin	Issue Explorer not populating results after analysis
WINDUP-1972	Web Console	Issues in application view: Embedded Framework / library doesn't show file

ID	Component	Summary
WINDUP-2494	Reporting	RHAMT Reports - Hard Coded IP Address link to Source Report does not have the correct line in focus
WINDUP-2463	Web Console	RHAMT Web UI - Configuration - Warning about losing changes is displayed when no changes were made to the configuration.
WINDUP-2372	Web Console	RHAMT Web UI - Configuration - Warning about losing changes is displayed when no changes were made to the configuration.

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 4.3.0 known issues JIRA filter](#) .

Table 4.1. Resolved Issues

ID	Summary
WINDUP-2292	RHAMT on OpenShift: Change suggested RHAMT Web UI URL
WINDUP-2332	RHAMT on OpenShift: Application List Filtering/Labelling to support Target Runtime Selection
WINDUP-2492	RHAMT on OpenShift: Application List Report - Technology Tags
WINDUP-2487	RHAMT on OpenShift: Wrong label in "Included Package" when empty
WINDUP-2239	Web console User Experience: app upload: Change upload failure errors
WINDUP-2027	Web console User Experience: Export all-in-one CSV file from Web console
WINDUP-2408	RHAMT Web Console: Package Selection: Application Packages not checked for selection by default
WINDUP-2309	RHAMT Web Console: Upgrade Angular
WINDUP-2490	RHAMT Web Console: --userLabelsPath option appearing in Advanced options