



Red Hat CodeReady Studio 12.21.3

Release Notes

Highlighted features in 12.21.3

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Abstract

The Release Notes provide a brief description of the improvements, additions that have been implemented in Red Hat CodeReady Studio 12.21.3, and document known problems in this release, as well as notable bug fixes, Technology Previews, deprecated functionality, and other details.

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MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see [our CTO Chris Wright's message](#).

CHAPTER 1. ABOUT THIS RELEASE

Red Hat CodeReady Studio 12.21.3 is an update of Red Hat CodeReady Studio 12.21.

The following chapters describe improvements and additions implemented in Red Hat CodeReady Studio 12.21.3 and documents known problems in this release, as well as notable bug fixes, Technology Previews, deprecated functionality, and other details.

CodeReady Studio 12.21.3 is available from a number of sources. For more information on how to set up CodeReady Studio, see the [Installation guide](#).

For more information about operating systems, chip architectures, and Java Development Kits (JDK) supported by this release, see the [Supported Configurations and Components](#) page.

CHAPTER 2. ENHANCEMENTS

- CodeReady Studio now works with Red Hat JBoss Wildfly 26.
For more information, see the [WildFly Homepage](#).
- [JBIDE-28080](#): JBoss tools can now run on top of a Java 17 virtual machine.
- CodeReady Studio now supports JBoss Enterprise Application Platform 7.4.
- [JBIDE-27970](#): CodeReady Studio now supports Tycho 2.5.0.
- [JBIDE-28294](#), [JBIDE-28205](#): You can now download the latest CRC and Wildfly Server 26 runtimes.
- [JBIDE-28254](#) CodeReady Studio now embeds Apache Log4j 2.17.1.
- [JBIDE-28254](#), [JBIDE-28241](#), [JBIDE-28219](#): CVE-2021-44228, CVE-2021-45046, CVE-2021-45105, CVE-2021-44832 have been fixed.
- [JBIDE-27973](#): The **New Quarkus project** wizard now contains a field for stream selection.
- [JBIDE-28098](#): Quarkus now collects telemetry data, if you agree.
- Hibernate enhancements in CodeReady Studio:

[Hibernate runtime provider|Hibernate|Hibernate tools|Release Notes ** The Hibernate 6.0 (Preview) runtime provider contains Hibernate 6.0.0Beta2 and Hibernate Tools 6.0.0Beta2.

+ For further information, see the [Hibernate ORM 6.0.0.Beta2 Release Notes](#).

- The Hibernate 5.6 runtime provider now contains Hibernate Core version 5.6.3.Final and Hibernate Tools version 5.6.3.Final.
For further information, see the [Hibernate ORM 5.6.3.Final Release Notes](#).
- The Hibernate 5.5 runtime provider now contains Hibernate Core version 5.5.9.Final and Hibernate Tools version 5.5.9.Final.
For further information, see the [Hibernate ORM 5.5.9.Final Release Notes](#).
- The Hibernate 5.4 runtime provider now contains Hibernate Core version 5.4.33.Final and Hibernate Tools version 5.4.33.Final.
For further information, see the [Hibernate ORM 5.4.33.Final Release Notes](#).
- The Hibernate 5.3 runtime provider now contains Hibernate Core version 5.3.25.Final and Hibernate Tools version 5.3.25.Final.
For further information, see the [Hibernate ORM 5.3.25.Final Release Notes](#).
- The Hibernate 5.3 runtime provider now contains Hibernate Core version 5.2.13.Final and Hibernate Tools version 5.2.13.Final.
For further information, see the [Hibernate ORM 5.2.13.Final Release Notes](#).
- The Hibernate 5.3 runtime provider now contains Hibernate Core version 5.1.12.Final and Hibernate Tools version 5.1.12.Final.
For further information, see the [Hibernate ORM 5.1.12.Final Release Notes](#).
- The Hibernate 5.0 runtime provider now contains Hibernate Core version 5.0.7.Final and Hibernate Tools version 5.0.7.Final.

For further information, see the [Hibernate ORM 5.0.7.Final Release Notes](#).

- OpenShift Enhancements in CodeReady Studio:
 - [JBIDE-28177](#): OpenShift tools are now based on **odo 2.4.2**.

CHAPTER 3. BUG FIXES

- To view information about resolved issues in this release of CodeReady Studio, see [Resolved Issues](#).

CHAPTER 4. DEPRECATED FUNCTIONALITY

- [JBIDE-28247](#): Red Hat Container Development Kit (CDK) has been deprecated.
- [JBIDE-27650](#): The S2i feature has been deprecated from OpenShift Application Explorer.

CHAPTER 5. KNOWN ISSUES

To view information about known issues in this release of CodeReady Studio, see [Known Issues](#).

The following known issues are highlighted:

- Quarkus known issues in CodeReady Studio:
 - [JBIDE-28203](#): Code generation phase fails when running a Quarkus project.
- Red Hat Central known issues in CodeReady Studio:
 - [JBIDE-28244](#): In early access mode CodeReady Studio fails to install Red Hat Application Migration Toolkit (AMT) while installing all components from Red Hat Central.
- JDK known issues in CodeReady Studio:
 - [JBDS-5042](#): Java 17 installer can result in error message **WARNING: Illegal reflective access by com.izforge.izpack.installer.InstallerFrame to field sun.awt.X11.XToolkit.awtAppClassName**.
To work around this issue, run the **--add-opens** option during the installation:


```
java --add-opens java.desktop/sun.awt.X11=ALL-UNNAMED -jar codereadystudio-latest-installer-standalone.jar
```
- Server/JMX tools known issues in CodeReady Studio:
 - [JBIDE-28282](#): The JMX navigator fails to recognize local processes.
 - [JBIDE-28251](#): Remote server fails to start on Linux systems connected via local remote system.
 - [JBIDE-28216](#): Server cannot be stopped by stop context menu item.
- Target platform, installer, and other known issues in CodeReady Studio:
 - [JBIDE-27605](#): Conflicting dependency when updating from bring your own Eclipse (BYOE) 2020-09 with JBT 4.17.0.Final to JBT 4.18.0.Final.
To work around this issue, click **Help** → **Install New Software**, select the **Jbosstools stable update** site, and select both **Jakarta RESTful Web Services** and **Jakarta Enterprise Web Services**. Both features will be updated.

Alternatively, select **Preferences** → **Install/Update** → **Available Software** and disable the latest Eclipse release. As a result, Eclipse 2020.12 is installed.
 - [JBDS-5060](#): Bring your own Eclipse (BYOE) 2020-09 with JBT 4.21.0.Final can't be updated to JBT 4.21.1.Final.
 - [JBDS-4818](#): The CRS installer is not signed for MacOS.
 - [JBIDE-26118](#): Unable to create Jakarta Server Faces composite component from current selected source.
- OpenShift known issues in CodeReady Studio:
 - [JBIDE-28288](#): OpenShift application explorer results in **Error: cannot attach the debugger: timeout** message when debugging NodeJS applications.

- [JBIDE-28224](#): Creating an OpenShift application component for a rest-http Java application results in a NullPointerException.
- [JBIDE-27741](#): CRC does not start properly and results in error message **Unable to execute request to request url https://api.crc.testing:6443/.well-known/oauth-authorization-server**.
- Webservices known issues in CodeReady Studio:
 - [JBIDE-27743](#): Unable to create Web Service client from **wsdl** definition using Wildfly 22 and Apache CXF 3.3.5+.
To work around this issue, use Apache Axis or JBossWS instead of CXF runtime to continue your service client definition.
Alternatively, update and export the order of your source folder so that your source folder appears first. To do so, use the following path: **Dyn. Web Project** → **Properties** → **Java Build Path** → **Order**.
 - [JBIDE-27744](#): WS Tester does not allow POST request due to low size of DH key.
 - [JBIDE-27781](#): NPE occurs during deletion of Dynamic Web Project with generated **web.xml** descriptor.
 - [JBIDE-27842](#): WS Tester Jakarta Enterprise Web Services invocation for local **wsdl** results in error message **Provider org.apache.axis2.jaxws.spi.Provider not found**.
- Fuse Integration Project known issues in CodeReady Studio:
 - [FUSETOOLS-3337](#): Unable to deploy Fuse project with DataTransformation to Fuse on Karaf 7.x runtime.
 - [FUSETOOLS-3373](#): Fuse Integration Project created with an error for Camel Fuse 7.2 and 7.1.
To work around this issue, add the following lines to the **jakarta.xml.bind-api** file to define the jakarta version:

```
<dependency>  
<groupId>jakarta.xml.bind</groupId>  
<artifactId>jakarta.xml.bind-api</artifactId>  
<version>2.3.3</version>  
</dependency>
```

The latest available version is 2.3.3. For further information on the latest version, see [Maven Repository: Jakarta XML Binding API](#).