



Red Hat build of OpenJDK 17

Release notes for Eclipse Temurin 17.0.7

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Abstract

The release notes for Eclipse Temurin 17.0.7 provide an overview of new features in OpenJDK 17 and a list of potential known issues and possible workarounds.

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PREFACE

Open Java Development Kit (OpenJDK) is a free and open-source implementation of the Java Platform, Standard Edition (Java SE). Eclipse Temurin is available in three LTS versions: OpenJDK 8u, OpenJDK 11u, and OpenJDK 17u.

Binary files for Eclipse Temurin are available for macOS, Microsoft Windows, and multiple Linux x86 Operating Systems including Red Hat Enterprise Linux and Ubuntu.

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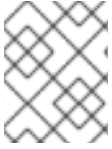
MAKING OPEN SOURCE MORE INCLUSIVE

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. SUPPORT POLICY FOR ECLIPSE TEMURIN

Red Hat will support select major versions of Eclipse Temurin in its products. For consistency, these versions remain similar to Oracle JDK versions that Oracle designates as long-term support (LTS).

A major version of Eclipse Temurin will be supported for a minimum of six years from the time that version is first introduced. For more information, see the [Eclipse Temurin Life Cycle and Support Policy](#).



NOTE

RHEL 6 reached the end of life in November 2020. Because of this, Eclipse Temurin does not support RHEL 6 as a supported configuration.

CHAPTER 2. ECLIPSE TEMURIN FEATURES

Eclipse Temurin does not contain structural changes from the upstream distribution of OpenJDK.

For the list of changes and security fixes that the latest OpenJDK 17 release of Eclipse Temurin includes, see [OpenJDK 17.0.7 Released](#).

OpenJDK enhancements

OpenJDK 17 provides enhancements to features originally created in previous releases of OpenJDK.

Certigna (Dhimyotis) root certificate authority (CA) certificate added

In release OpenJDK 17.0.7, the **cacerts** truststore includes the Certigna (Dhimyotis) root certificate:

- Name: Certigna (Dhimyotis)
- Alias name: certignarootca
- Distinguished name: CN=Certigna, O=Dhimyotis, C=FR

See [JDK-8245654 \(JDK Bug System\)](#).

New Java Flight Recorder (JFR) event **jdk.InitialSecurityProperty**

With OpenJDK 17.0.7, the initial security properties that the **java.security.Security** class loads are now accessible in the new JFR event, **jdk.InitialSecurityProperty**.

The **jdk.InitialSecurityProperty** event contains the following two fields:

- Key: The security property key.
- Value: The corresponding security property value.

By using this new event and the existing **jdk.SecurityPropertyModification** event, you can now monitor security properties throughout their lifecycle.

In this release, you can also print initial security properties to the standard error output stream when the **-Djava.security.debug=properties** property is passed to the Java virtual machine.

See [JDK-8292177 \(JDK Bug System\)](#).

Error thrown if **java.security** file fails to load

In previous releases, if OpenJDK could not load the **java.security** file, a hard-coded set of security properties was used. This set of properties was not fully maintained and it was unclear to the user when they were being used.

Now, with OpenJDK 17.0.7, if OpenJDK cannot load the **java.security** file, OpenJDK displays an **InternalError** error message.

See [JDK-8155246 \(JDK Bug System\)](#).

listRoots method returns all available drives on Windows

In previous releases, the **java.io.File.listRoots()** method on Windows systems filtered out any disk drives that were not accessible or did not have media loaded. However, this filtering led to observable performance issues.

With release OpenJDK 17.0.7, the **listRoots** method returns all available disk drives unfiltered.

See [JDK-8208077 \(JDK Bug System\)](#).

Enhanced Swing platform support

In earlier releases of OpenJDK, HTML object tags rendered embedded in Swing HTML components. With release OpenJDK 17.0.7, rendering only occurs if you set the new system property **swing.html.object** to true. By default, the **swing.html.object** property is set to false.

JDK bug system reference ID: JDK-8296832.

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