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# Amazon Corretto

## Corretto 11 User Guide



## Amazon Corretto: Corretto 11 User Guide

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# What Is Amazon Corretto 11?

Amazon Corretto is a no-cost, multiplatform, production-ready distribution of the Open Java Development Kit (OpenJDK). Corretto comes with long-term support that includes performance enhancements and security fixes. Corretto is certified as compatible with the Java SE standard and is used internally at Amazon for many production services. With Corretto, you can develop and run Java applications on operating systems such as Amazon Linux 2, Windows, and macOS.

This guide includes a list of patches applied to the OpenJDK for this release of Amazon Corretto 11, and installation instructions for the platforms supported by this version.

## Related Information

In addition to this guide, see the following resources for developers:

- [Amazon Corretto 11 Overview](#)
- GitHub:
  - [Documentation source](#)
  - [JDK Source](#)

## Contributing to the SDK

Developers can contribute feedback in the following ways:

- Submit issues on GitHub:
  - [Submit documentation issues](#)
  - [Report a bug or request a feature](#)
- Submit pull requests in the documentation or JDK source GitHub repositories to contribute to the JDK development

# List of Patches for Amazon Corretto 11

This section lists all the patches applied to OpenJDK for Amazon Corretto 11. We also provide links to the issues in the OpenJDK project.

**Back port from OpenJDK 12, fixing [JDK-8202353](#): "os::readdir should use readdir instead of readdir\_r".**

Enables compilation on Amazon Linux 2, as readdir\_r has been deprecated in glibc >= 2.24. Additionally, this also fixes [JDK-8202835](#): "jfr/event/os/TestSystemProcess.java fails on missing events".

**Back port from OpenJDK 12, fixing [JDK-8202794](#): "Native Unix code should use readdir rather than readdir\_r".**

Enables compilation on Amazon Linux 2, as readdir\_r has been deprecated in glibc >= 2.24.

**Back port from OpenJDK 12, fixing [JDK-8207340](#): "UnixNativeDispatcher close and readdir usages should be fixed".**

Enables compilation on Amazon Linux 2, as readdir\_r has been deprecated in glibc >= 2.24.

**Back port from OpenJDK 12, fixing [JDK-8207748](#): "Fix for 8202794 breaks tier1 builds".**

Enables compilation on Amazon Linux 2, as readdir\_r has been deprecated in glibc >= 2.24.

**Updates to vendor-related metadata.**

Identifies Amazon as the vendor of this OpenJDK distribution and adds hyperlinks for reporting issues.

# Amazon Corretto 11 Guide for Linux

The topics in this section describe installation instructions for Amazon Corretto 11 on Linux platforms.

## Topics

- [Amazon Corretto 11 Installation Instructions for Debian-Based and RPM-Based Linux Distributions \(p. 3\)](#)
- [Amazon Corretto 11 Installation Instructions for Amazon Linux 2 \(p. 5\)](#)

## Amazon Corretto 11 Installation Instructions for Debian-Based and RPM-Based Linux Distributions

This topic describes how to install Amazon Corretto 11 on Debian-based and RPM-based Linux distributions.

### Install Amazon Corretto 11 on Debian-Based Linux

This section describes how to install and uninstall Amazon Corretto 11 on a host or container running a Debian-based operating system.

#### Download and Install the Debian Package Manually

1. Before you install the JDK, install the `java-common` package.

##### Example

```
sudo apt-get update && sudo apt-get install java-common
```

2. Download the Linux `.deb` file from the [Downloads \(p. 10\)](#) page.
3. Install the `.deb` file by using `sudo dpkg --install`.

##### Example

```
sudo dpkg --install
```

#### Verify Your Installation

In the terminal, run the following command to verify the installation.

##### Example

```
java -version
```

Expected output for 11.0.4:

```
openjdk version "11.0.4" 2019-07-16 LTS
OpenJDK Runtime Environment Corretto-11.0.4.11.1 (build 11.0.4+11-LTS)
OpenJDK 64-Bit Server VM Corretto-11.0.4.11.1 (build 11.0.4+11-LTS, mixed mode)
```

If you see a version string that doesn't mention Corretto, run the following command to change the default java or javac providers.

### Example

```
sudo update-alternatives --config java
```

If you're using the JDK, you should also run the following.

```
sudo update-alternatives --config javac
```

## Uninstall Amazon Corretto 11

You can uninstall Amazon Corretto 11 by using the following command.

### Example

```
sudo dpkg --remove java-11-amazon-corretto-jdk
```

## Install Amazon Corretto 11 on RPM-Based Linux

### Download and install RPM package manually

1. Download the Linux .rpm file from the [Downloads \(p. 10\)](#) page.
2. Install the downloaded .rpm file using `yum localinstall`.

### Example

```
sudo yum localinstall
```

## Verify Your Installation

In the terminal, run the following command to verify the installation.

### Example

```
java -version
```

This is the expected output for 11.0.4:

```
openjdk version "11.0.4" 2019-07-16 LTS
OpenJDK Runtime Environment Corretto-11.0.4.11.1 (build 11.0.4+11-LTS)
OpenJDK 64-Bit Server VM Corretto-11.0.4.11.1 (build 11.0.4+11-LTS, mixed mode)
```

If you see a version string that doesn't mention Corretto, run the following command to change the default java or javac providers.

### Example

```
sudo alternatives --config java
```

If you're using the JDK, you should also run the following.

```
sudo alternatives --config javac
```

## Uninstall Amazon Corretto 11

You can uninstall Amazon Corretto 11 by using the following

### Example

```
sudo yum remove java-11-amazon-corretto-devel
```

# Amazon Corretto 11 Installation Instructions for Amazon Linux 2

This topic describes how to install and uninstall Amazon Corretto 11 on a host or container running the Amazon Linux 2 operating system.

## Install using the yum Package Manager on Amazon Linux

Amazon Corretto 11 has a 'headless' variant available. This variant omits runtime dependencies that are typically associated with GUI applications such as X11 and ALSA and is worth considering for server-oriented workloads.

Option 1: Install headless Amazon Corretto 11:

### Example

```
sudo yum install java-11-amazon-corretto-headless
```

Option 2: Install the full Amazon Corretto 11:

### Example

```
sudo yum install java-11-amazon-corretto
```

The installation location is `/usr/lib/jvm/java-11-amazon-corretto.<cpu_arch>`.

## Verify Your Installation

To verify the installation, run `java -version` in a console. If the version string doesn't mention Corretto, run the following command to change the default java provider.



**Example**

```
sudo alternatives --config java
```

## Uninstall Amazon Corretto 11

You can uninstall Amazon Corretto 11 with the following commands.

Uninstall headless:

**Example**

```
sudo yum remove java-11-amazon-corretto-headless
```

Uninstall full:

**Example**

```
sudo yum remove java-11-amazon-corretto
```

# Amazon Corretto 11 Guide on Windows

The topics in this section describe installation instructions for Amazon Corretto 11 on the Windows operating system. Windows builds are supported on versions 7, 10, Server 2008, Server 2012, and Server 2016.

## Topics

- [Amazon Corretto 11 Installation Instructions for Windows 7 or Later \(p. 7\)](#)

## Amazon Corretto 11 Installation Instructions for Windows 7 or Later

This topic describes how to install and uninstall Amazon Corretto 11 on a host or container running the Windows 7 or later operating system.

### Install Amazon Corretto 11

1. Download a Windows `.msi` file from the [Downloads \(p. 10\)](#) page.
2. Double-click the `.msi` file to start the installation wizard.
3. Follow the steps in the wizard.

You have the option of setting a custom installation path. By default, Amazon Corretto 11 is installed at `C:\Program Files\Amazon Corretto\`. If you set a custom path, make a note of it for the next step.

4. Once the install wizard is finished, set the `JAVA_HOME` and `PATH` environment variables.

Set `JAVA_HOME` to the installation location, noting that the directory contains the currently-installed version. For example, if the default directory is used for 11.0.4, then set `JAVA_HOME` as `C:\Program Files\Amazon Corretto\jdk11.0.4_11`.

Add `%JAVA_HOME%\bin` to the current `PATH` variable.

5. Verify the installation by running `java -version` in a command prompt. You should see the following output.

#### Example

```
openjdk version "11.0.4" 2019-07-16 LTS
OpenJDK Runtime Environment Corretto-11.0.4.11.1 (build 11.0.4+11-LTS)
OpenJDK 64-Bit Server VM Corretto-11.0.4.11.1 (build 11.0.4+11-LTS, mixed mode)
```

### Uninstall Amazon Corretto 11

You can uninstall Amazon Corretto 11 by following the standard steps to uninstall an application from Windows.

1. Open **Programs and Features**.
2. Search for **Amazon Corretto 11** and then select it.
3. Choose **uninstall**.

# Amazon Corretto 11 Guide for macOS

The topics in this section describe installation instructions for Amazon Corretto 11 on macOS.

## Topics

- [Amazon Corretto 11 Installation Instructions for macOS 10.13 or later \(p. 9\)](#)

## Amazon Corretto 11 Installation Instructions for macOS 10.13 or later

This topic describes how to install and uninstall Amazon Corretto 11 on a host running the Mac OS version 10.13 or later. You must have administrator permissions to install and uninstall Amazon Corretto 11.

### Install Amazon Corretto 11

1. Download the Mac .pkg file from the [Downloads \(p. 10\)](#) page.
2. Double-click the downloaded file to begin the installation wizard and follow the steps in the wizard.
3. Once the wizard completes, Amazon Corretto 11 is installed in `/Library/Java/JavaVirtualMachines/`.

You can run the following command in a terminal to get the complete installation path.

#### Example

```
/usr/libexec/java_home --verbose
```

4. Run the following command in the terminal to set the `JAVA_HOME` variable to the Amazon Corretto 11 version of the JDK. If this was set to another version previously, it is overridden.

#### Example

```
export JAVA_HOME=/Library/Java/JavaVirtualMachines/amazon-corretto-11.jdk/Contents/Home
```

### Uninstall Amazon Corretto 11

You can uninstall Amazon Corretto 11 by running the following commands in a terminal.

#### Example

```
cd /Library/Java/JavaVirtualMachines/  
sudo rm -rf amazon-corretto-11.jdk
```

# Downloads for Amazon Corretto 11

This topic lists all the downloads available for Amazon Corretto 11. Use the link for the appropriate platform of your environment.

## Corretto 11

Platform	Type	Download Link	Checksum (MD5)	Sig File
<a href="#">Linux x64 (p. 3)</a>	JDK	<a href="#">java-11-amazon-corretto-jdk_11.0.4.11-1_amd64.deb</a>	74f792ec02a67ba528e12d418a8f0476	
		<a href="#">java-11-amazon-corretto-devel-11.0.4.11-1.x86_64.rpm</a>	658bf7eefb64ba6a8712c86f6f249228	
		<a href="#">amazon-corretto-11.0.4.11.1-linux-x64.tar.gz</a>	4bbcd5e6d721fef5646b3af8631c1c	<a href="#">Download</a>
<a href="#">Linux aarch64 (p. 3)</a>	JDK	<a href="#">java-11-amazon-corretto-jdk_11.0.4.11-1_arm64.deb</a>	65c1c78e9a7550e6dd268688a7dacbe8	
		<a href="#">java-11-amazon-corretto-devel-11.0.4.11-1.aarch64.rpm</a>	df2e1aa63cc677c412312a876604614e	
		<a href="#">amazon-corretto-11.0.4.11.1-linux-aarch64.tar.gz</a>	3f8bada23039db595b0d11ac2f683de	<a href="#">Download</a>
<a href="#">Windows x64 (p. 7)</a>	JDK	<a href="#">amazon-corretto-11.0.4.11.1-windows-x64.msi</a>	d2a24544d5db3250b8feb44656d45be2	
		<a href="#">amazon-corretto-11.0.4.11.1-windows-x64.zip</a>	707c839c3f56645454b808d31f255161	<a href="#">Download</a>
<a href="#">macOS x64 (p. 9)</a>	JDK	<a href="#">amazon-corretto-11.0.4.11.1-macosx-x64.pkg</a>	8dc8353417627ad34a39bc4e8d6365b1	
		<a href="#">amazon-corretto-11.0.4.11.1-macosx-x64.tar.gz</a>	44bb1e1e6368e1b0f994f5a899b0adc9	<a href="#">Download</a>

## Signature Verification

The public key to verify the SIGNATURE file can be downloaded [here](#).

## Release History

For earlier versions, see [Corretto-11 Releases](#) on GitHub.

# Release History for Amazon Corretto 11

This topic lists all the downloads available for Amazon Corretto 11. Choose the appropriate link for your environment's platform:

For the latest version, see [Downloads](#) (p. 10).

## version.11.0.3.7.1 released 2019-04-16

Platform	Type	Download Link	Checksum (MD5)	Sig File
<a href="#">Linux x64 (p. 3)</a>	JDK	<a href="#">java-11-amazon-corretto-jdk_11.0.3.7-1_amd64.deb</a>	3cd63c9f1669e16e513755356ac0cf91	
		<a href="#">java-11-amazon-corretto-devel-11.0.3.7-1.x86_64.rpm</a>	4dbb06aaf8880e0bdf3bae9392dc9754	
		<a href="#">amazon-corretto-11.0.3.7.1-linux-x64.tar.gz</a>	08a0cea184824c5470a62ca6a6a0fb0b	<a href="#">Downloads</a>
<a href="#">Windows x64 (p. 7)</a>	JDK	<a href="#">amazon-corretto-11.0.3.7.1-windows-x64.msi</a>	04e369e41f4faf594eb5c0ba00c7d69f	
		<a href="#">amazon-corretto-11.0.3.7.1-windows-x64.zip</a>	fb6f82a835928f6df8e8c98a2c1824d	<a href="#">Downloads</a>
<a href="#">macOS x64 (p. 9)</a>	JDK	<a href="#">amazon-corretto-11.0.3.7.1-macosx-x64.pkg</a>	0af42c2fcb5d0081a2ec29d516b0bcc4	
		<a href="#">amazon-corretto-11.0.3.7.1-macosx-x64.tar.gz</a>	9e9ab3140587be4462a9105f38e4538	<a href="#">Downloads</a>

### Signature Verification

Public keys are available and are specific to each release: [11.0.3.7.1 \(x86\\_64\)](#) and [11.0.3.7.1 \(aarch64\)](#).

In the terminal, run the following command to verify the installation.

### Example

```
java -version
```

This is the expected output for 11.0.3:

```
openjdk version "11.0.3" 2019-04-16 LTS
OpenJDK Runtime Environment Corretto-11.0.3.7.1 (build 11.0.3+7-LTS)
OpenJDK 64-Bit Server VM Corretto-11.0.3.7.1 (build 11.0.3+7-LTS, mixed mode)
```

If you see a version string that doesn't mention Corretto, run the following command to change the default java or javac providers.

## version.11.0.2.9.3 released 2019-03-19

Platform	Type	Download Link	Checksum (MD5)	Sig File
Linux x64 (p. 3)	JDK	<a href="#">java-11-amazon-corretto-jdk_11.0.2.9-3_amd64.deb</a>	d3a3912154f317f7688a4c7ea35e00b2	
		<a href="#">java-11-amazon-corretto-devel-11.0.2.9-3.x86_64.rpm</a>	5fca3f5a43dce893e16cc1b50ea6d08c	
		<a href="#">amazon-corretto-11.0.2.9.3-linux-x64.tar.gz</a>	69afd4bba0831fd5520390a1cf3e17ed	<a href="#">amazon-corretto-11.0.2.9.3-linux-x64.tar.gz.asc</a>
Windows x64 (p. 7)	JDK	<a href="#">amazon-corretto-11.0.2.9.3-windows-x64.msi</a>	5bf53eaf415ac9f456083fe82ae9298d	
		<a href="#">amazon-corretto-11.0.2.9.3-windows-x64.zip</a>	b6805e34ce21953f50b7f48220c64902	<a href="#">amazon-corretto-11.0.2.9.3-windows-x64.zip.asc</a>
macOS x64 (p. 9)	JDK	<a href="#">amazon-corretto-11.0.2.9.3-macosx-x64.pkg</a>	5afe85896d5f80a35f48080294032b4b	
		<a href="#">amazon-corretto-11.0.2.9.3-macosx-x64.tar.gz</a>	8ebe054d15fd208b20fad4b2a37d07f1	<a href="#">amazon-corretto-11.0.2.9.3-macosx-x64.tar.gz.asc</a>

### Signature Verification

Public keys are available and are specific to each release: [11.0.2.9.3 \(Linux, Windows\)](#) and [11.0.2.9.3 \(macOS\)](#).

In the terminal, run the following command to verify the installation.

### Example

```
java -version
```

This is the expected output for 11.0.2:

```
openjdk version "11.0.2" 2019-01-15 LTS
```



```
OpenJDK Runtime Environment Corretto-11.0.2.9.3 (build 11.0.2+9-LTS)
OpenJDK 64-Bit Server VM Corretto-11.0.2.9.3 (build 11.0.2+9-LTS, mixed mode)
```

If you see a version string that doesn't mention Corretto, run the following command to change the default java or javac providers.

# Change Log for Amazon Corretto 11

The following sections describe the changes for each release of Amazon Corretto 11.

## GA release: 11.0.4.11.1: Amazon Corretto 11

Release Date: Sept 17, 2019

The following platforms are updated in this release.

### Target Platforms

- RPM-based Linux using glibc 2.17 or later, aarch64
- Debian-based Linux using glibc 2.17 or later, aarch64

The following issues and enhancements are addressed in 11.0.4.11.1.

Issue Name	Platform	Description	Link
Update Corretto 11.0.4.11.1 RC to 11.0.4.11.1 GA.	aarch64	Amazon Corretto 11.0.4.11.1 for aarch64 is now GA.	

## July 2019 critical patch update: Corretto version 11.0.4.11.1

Release Date: Jul 16, 2019

The following platforms are updated in this release.

### Target Platforms

- RPM-based Linux using glibc 2.12 or later, x86\_64
- Debian-based Linux using glibc 2.12 or later, x86\_64
- RPM-based Linux using glibc 2.17 or later, aarch64
- Debian-based Linux using glibc 2.17 or later, aarch64
- Windows 7 or later, x86\_64
- macOS 10.13 and later, x86\_64

The following issues and enhancements are addressed in 11.0.4.11.1.

Issue Name	Platform	Description	Link
Update Corretto to 11.0.4.11.1.	All	Update Corretto 11 patch set to 11.0.4.11.1.	

Issue Name	Platform	Description	Link
Include OpenJDK cacerts and Amazon specific cacerts in Corretto11.	All	Update cacerts in Corretto11 to include both OpenJDK cacerts and Amazon cacerts.	
Debian jinfo file.	Linux	Provide jinfo file to make update-java-alternatives command works with Corretto11 on Debian.	<a href="#">corretto-11#25</a>
Fix the Windows Installer does not set file association for jar files.	Windows	Jar files can now be double clicked in Windows to open them like they can be with Oracle's JRE.	<a href="#">corretto-11#21</a>
Fix JAVA_HOME remains on uninstall of MSI package.	Windows	Fix the issue of the system variable JAVA_HOME remains in the path when uninstalling the MSI package on Windows.	<a href="#">corretto-11#17</a>

The following CVEs are addressed in 11.0.4.11.1.

CVE #	Component Affected
CVE-2019-7317	AWT (libpng)
CVE-2019-2821	JSSE
CVE-2019-2766	Networking
CVE-2019-2816	Networking
CVE-2019-2745	Security
CVE-2019-2786	Security
CVE-2019-2818	Security
CVE-2019-2762	Utilities
CVE-2019-2769	Utilities

## Corretto aarch64 preview: version 11.0.3.7.1

Release Date: June 28, 2019

The following platforms are updated in this release.

### Target Platforms

- RPM-based Linux using glibc 2.17 or later, aarch64

- Debian-based Linux using glibc 2.17 or later, aarch64

The following issues and enhancements are addressed in 11.0.3.7.1.

Issue Name	Platform	Description	Link
Corretto 11 aarch64 preview	Linux aarch64	add Corretto 11 builds for aarch64.	

## April 2019 critical patch update: Corretto version 11.0.3.7.1

Release Date: Apr 16, 2019

The following platforms are updated in this release.

### Target Platforms

- RPM-based Linux using glibc 2.12 or later, x86\_64
- Debian-based Linux using glibc 2.12 or later, x86\_64
- Windows 7 or later, x86\_64
- macOS 10.13 and later, x86\_64

The following issues and enhancements are addressed in 11.0.3.7.1.

Issue Name	Platform	Description	Link
Update Corretto to 11.0.3.7.1.	All	Update Corretto 11 patch set to 11.0.3.7.1.	

## 11.0.2.9.3: Amazon Corretto 11

Release Date: Mar 19, 2019

The following platforms are updated in this release.

### Target Platforms

- macOS 10.13 and later, x86\_64

The following issues and enhancements are addressed in 11.0.2.9.3.

Issue Name	Platform	Description	Link
MacOS package installer shows as Corretto 8 instead of Corretto 11.	macOS	The message in the introduction session of the mac installer is incorrect.	<a href="#">corretto-11#10</a>

Issue Name	Platform	Description	Link
MacOS package installer unable to detect Corretto as a JDK package after installation.	macOS	After installing Corretto-11.0.2.3, /usr/libexec/java_home is unable to detect it as a JDK package.	<a href="#">corretto-11#12</a>

## GA release: 11.0.2.9.3: Amazon Corretto 11

Release Date: Mar 14, 2019

The following platforms are updated in this release.

### Target Platforms

- RPM-based Linux using glibc 2.12 or later, x86\_64
- Debian-based Linux using glibc 2.12 or later, x86\_64
- Windows 7 or later, x86\_64
- macOS 10.13 and later, x86\_64

The following issues and enhancements are addressed in 11.0.2.9.3.

Issue Name	Platform	Description	Link
Bump up version string to 11.0.2.9.3 for GA release.	All	Corretto 11 GA release.	

## 11.0.2.9.2: Amazon Corretto 11

Release Date: Mar 4, 2019

The following platforms are updated in this release.

### Target Platforms

- RPM-based Linux using glibc 2.12 or later, x86\_64
- Debian-based Linux using glibc 2.12 or later, x86\_64

Added LTS as version-opt to the version string.

The following issues and enhancements are addressed in 11.0.2.9.2.

Issue Name	Platform	Description	Link
Added LTS as version-opt to the version string.	RPM-based Linux , Debian-based Linux	Include LTS in the Java version string.	

## Initial release: Version Corretto-11.0.2.9.1

Release Date: Feb 12, 2019

The following platforms are compatible with this release.

### Target Platforms

- RPM-based Linux using glibc 2.12 or later, x86\_64
- Debian-based Linux using glibc 2.12 or later, x86\_64
- Windows 7 or later, x86\_64
- macOS 10.13 and later, x86\_64

The following are the changes for this release.

Patch	Description	Release Date
Back port from OpenJDK 12, fixing JDK-8202353: "os::readdir should use readdir instead of readdir_r".	Enables compilation on Amazon Linux 2, as readdir_r has been deprecated in glibc >= 2.24. Additionally, this also fixes JDK-8202835: "jfr/event/os/TestSystemProcess.java fails on missing events".	2019-02-12
Back port from OpenJDK 12, fixing JDK-8202794: "Native Unix code should use readdir rather than readdir_r".	Enables compilation on Amazon Linux 2, as readdir_r has been deprecated in glibc >= 2.24.	2019-02-12
Back port from OpenJDK 12, fixing JDK-8207340: "UnixNativeDispatcher close and readdir usages should be fixed".	Enables compilation on Amazon Linux 2, as readdir_r has been deprecated in glibc >= 2.24.	2019-02-12
Back port from OpenJDK 12, fixing JDK-8207748: "Fix for 8202794 breaks tier1 builds".	Enables compilation on Amazon Linux 2, as readdir_r has been deprecated in glibc >= 2.24.	2019-02-12

# Document History for User Guide

The following table describes the documentation for this release of Amazon Corretto 11. To be notified of new releases, please subscribe to this RSS feed.

update-history-change	update-history-description	update-history-date
<a href="#">Quarterly Corretto update (11.0.4.11.1). (p. 20)</a>	July 2019 update of security fixes for Amazon Corretto 11.	July 16, 2019
<a href="#">Aarch64 preview release (p. 20)</a>	Amazon Corretto 11 is preview on Aarch64. Documentation has been updated to include installation instructions.	June 28, 2019
<a href="#">Support for Amazon Linux 2. (p. 20)</a>	Amazon Corretto 11 is now available in Amazon Linux 2. Documentation has been updated to include installation instructions.	June 19, 2019
<a href="#">Quarterly Corretto update (11.0.3.7.1). (p. 20)</a>	April 2019 update of security fixes for Amazon Corretto 11.	April 16, 2019
<a href="#">Provide new Corretto 11 (11.0.2.9.3) MacOS installer. (p. 20)</a>	Fix issues in Corretto 11 MacOS installer.	March 19, 2019
<a href="#">Amazon Corretto 11 (11.0.2.9.3) is now in GA. (p. 20)</a>	No changes have been made from the RC.	March 14, 2019
<a href="#">RC Release (11.0.2.9.2) (p. 20)</a>	Release of Amazon Corretto 11 Release Candidate.	March 4, 2019
<a href="#">Initial Release (11.0.2.9.1) (p. 20)</a>	Initial release of Amazon Corretto 11 Developer Preview.	February 12, 2019