

# Oracle Linux

## Product Life Cycle Information



F75988-31  
January 2026



Oracle Linux Product Life Cycle Information,

F75988-31

Copyright © 2023, 2026, Oracle and/or its affiliates.

Documentation License

The content in this document is licensed under the [Creative Commons Attribution–Share Alike 4.0](https://creativecommons.org/licenses/by-sa/4.0/) (CC-BY-SA) license. In accordance with CC-BY-SA, if you distribute this content or an adaptation of it, you must provide attribution to Oracle and retain the original copyright notices.

# Contents

## Preface

---

## 1 Oracle Linux

---

## 2 Application Stream Module Life Cycle

---

Oracle Linux 10 Application Streams	1
Oracle Linux 10 Full Life Application Streams	1
Oracle Linux 10 Standard Application Streams	2
Oracle Linux 10 Rolling Application Streams	2
Oracle Linux 9 Application Streams	3
Oracle Linux 9 Full Life Application Streams	3
Oracle Linux 9 Standard Application Streams	3
Oracle Linux 9 Rolling Application Streams	4
Oracle Linux 8 Application Streams	5
Oracle Linux 8 Full Life Application Streams	5
Oracle Linux 8 Standard Application Streams	6
Oracle Linux 8 Rolling Application Streams	8
Oracle Linux 8 Dependent Application Streams	8

## 3 Oracle Cloud Native Environment

---

## 4 Oracle Linux Automation Manager

---

## 5 Oracle Linux Virtualization Manager

---

# Preface

[Oracle Linux: Product Life Cycle Information](https://www.oracle.com/a/ocom/docs/elsp-lifetime-069338.pdf) provides information about product release life cycles that fall outside of the standard *Lifetime Support Policy: Coverage for Oracle Open Source Software* available at <https://www.oracle.com/a/ocom/docs/elsp-lifetime-069338.pdf>. Product life cycles describe the period for which Common Vulnerabilities and Exposures (CVEs) and bug fix updates are provided for different products that are available as part of the Oracle Linux offering.

# 1

## Oracle Linux

For supported Oracle Linux components not listed elsewhere in this document, support life cycle dates are listed at [Lifetime Support Policy: Coverage for Oracle Open Source Service Offerings](#).

# 2

## Application Stream Module Life Cycle

While the core operating system packages in the BaseOS repository for Oracle Linux 8, Oracle Linux 9, and Oracle Linux 10 retain a [standard Oracle Linux support life cycle](#), the separate AppStream packages have their own major version releases and might have shorter lifespans from 2 to 5 years.

Support for the AppStream packages is limited to package installation assistance only. Additional support for AppStream modules might be provided if references to these modules and their use are included in other official Oracle Linux documentation from Oracle. Critical security errata and select high-impact critical bug fixes are provided in the newer versions of AppStream packages.

For more information about Oracle Linux Application Streams, see [Oracle Linux: Managing Software on Oracle Linux](#).

## Oracle Linux 10 Application Streams

The following tables list AppStream packages available in Oracle Linux 10. As best practice, upgrade to the latest release of these packages as soon as possible. Oracle continues to provide support for modules in the AppStream channel until the specified retirement date, as listed in the tables provided.

### Note

Application Streams released on Oracle Linux 10 aren't released in modular format to simplify user experience. Therefore, when installing an initial Application Stream on Oracle Linux 10, you can use the `dnf install` command syntax without any need to reference a module.

## Oracle Linux 10 Full Life Application Streams

Where possible, if several shorter-lived Application Streams are available, a single stream that extends the duration of the underlying Oracle Linux release might be offered.

**Table 2-1 Oracle Linux 10 Full Life Application Streams Release Life Cycle**

Application Stream	Release Date	Release
Ansible Core 2.16	2025-06	10.0
Apache httpd 2.4	2025-06	10.0
NGINX 1.26	2025-06	10.0
Perl 5.40	2025-06	10.0
PHP 8.3	2025-06	10.0
PostgreSQL 16	2025-06	10.0
Python 3.12	2025-06	10.0

**Table 2-1 (Cont.) Oracle Linux 10 Full Life Application Streams Release Life Cycle**

Application Stream	Release Date	Release
Ruby 3.3	2025-06	10.0

## Oracle Linux 10 Standard Application Streams

During the Oracle Linux lifecycle, updated versions of most Application Streams are released as needed. Each stream's support lifecycle is aligned either with upstream support or specific product requirements. Several versions of an Application Stream might be available simultaneously, and their support periods might overlap.

### Note

Retirement dates apply at the end of the documented month.

**Table 2-2 Oracle Linux 10 Application Stream Life Cycle**

Application Stream	Release Date	Retirement Date	Release
.NET 8	2025-06	2026-11	10.0
.NET 9	2025-06	2026-05	10.0
.NET 10	2025-11	2028-11	10.1
IDM	2025-06	2027-05	10.0
OpenJDK 21	2025-06	2029-12	10.0
OpenJDK 25	2025-11	2030-12	10.1
gcc-toolset 15	2025-11	2029-11	10.1
MySQL 8.4	2025-06	2029-05	10.0
Node.js 22	2025-06	2027-04	10.0
Node.js 24	2025-11	2028-04	10.1
Apache Tomcat 9	2025-06	2026-05	10.0

## Oracle Linux 10 Rolling Application Streams

Rolling application streams are supported for the full life of the Oracle Linux 10 release. New versions of the streams replace existing versions in update releases. Rolling streams are only used when it's essential to have new versions of the stream. Users of rolling streams understand when and how the streams are updated and be prepared for newer versions.

Application Stream	Release Date	Version
container-tools	2025-06	1.14.0
Git	2025-06	2.47.1
Go	2025-09	1.25.0
LLVM	2025-06	20.1.8
Rust	2025-06	1.88.0

## Oracle Linux 9 Application Streams

The following tables list AppStream packages currently in Oracle Linux 9. As best practice, you should upgrade to the latest release of these packages as possible. Oracle continues to provide support for modules in the AppStream channel until the specified retirement date, as listed in the tables below.

### Note

Initial Application Streams released on Oracle Linux 9 are not released in modular format to simplify user experience. Therefore, when installing an initial Application Stream on Oracle Linux 9, you can use the `dnf install` command syntax without any need to reference a module.

Some Application Streams with shorter life cycles will be released in modular format with updated application stream versions in subsequent update releases.

## Oracle Linux 9 Full Life Application Streams

Where possible, if several shorter-lived Application Streams are available, a single stream that extends the duration of the underlying Oracle Linux release might be offered.

**Table 2-3 Oracle Linux 9 Full Life Application Streams Release Life Cycle**

Application Stream	Release Date	Release
Ansible Core 2.14	2022-06	9.0
Apache httpd 2.4	2022-06	9.0
NGINX 1.20	2022-06	9.0
Perl 5.32	2022-06	9.0
PHP 8.0	2022-06	9.0
PostgreSQL 13	2022-06	9.0
Python 3.9	2022-06	9.0
Ruby 3.0	2022-06	9.0

## Oracle Linux 9 Standard Application Streams

During the Oracle Linux lifecycle, updated versions of most Application Streams are released as needed. Each stream's support lifecycle is aligned either with upstream support or specific product requirements. Several versions of an Application Stream might be available simultaneously, and their support periods might overlap.

### Note

Retirement dates apply at the end of the documented month.

**Table 2-4 Oracle Linux 9 Application Stream Life Cycle**

Application Stream	Release Date	Retirement Date	Release
BIND 9.18	2024-11	2027-05	9.5
.NET 6	2022-06	2024-11	9.0
.NET 7	2022-11	2024-05	9.1
.NET 8	2023-11	2026-11	9.3
.NET 9	2024-11	2026-11	9.5
.NET 10	2025-11	2028-11	9.7
gcc-toolset 12	2022-11	2024-11	9.1
gcc-toolset 13	2023-11	2025-11	9.3
gcc-toolset 14	2024-11	2026-11	9.5
gcc-toolset 15	2025-11	2029-11	9.7
IDM	2022-06	2027-05	9.0
Maven 3.8	2022-11	2025-11	9.1
Maven 3.9	2025-05	2028-05	9.6
MySQL 8.0	2022-06	2026-04	9.0
MySQL 8.4	2025-05	2029-04	9.6
NGINX 1.22	2023-05	2025-11	9.2
NGINX 1.24	2024-05	2027-05	9.4
NGINX 1.26	2025-05	2028-05	9.6
Node.js 16	2022-06	2024-04	9.0
Node.js 18	2022-11	2025-04	9.1
Node.js 20	2023-11	2026-04	9.3
Node.js 22	2024-11	2027-04	9.5
Node.js 24	2025-11	2028-04	9.7
OpenJDK 1.8.0	2022-06	2026-05	9.0
OpenJDK 11	2022-06	2024-10	9.0
OpenJDK 17	2022-06	2027-12	9.0
OpenJDK 21	2023-11	2029-12	9.3
PHP 8.1	2022-11	2025-05	9.1
PHP 8.2	2024-05	2029-05	9.4
PHP 8.3	2025-05	2029-05	9.6
PostgreSQL 15	2023-05	2028-05	9.2
PostgreSQL 16	2024-05	2029-05	9.4
Python 3.11	2023-05	2026-05	9.2
Python 3.12	2024-05	2027-04	9.4
Redis 7	2023-11	2026-11	9.3
Ruby 3.1	2022-11	2025-03	9.1
Ruby 3.3	2024-05	2027-03	9.4
Tomcat mod_jk connector for Apache	2022-06	2027-05	9.0
Valkey 8	2025-11	2029-05	9.7

## Oracle Linux 9 Rolling Application Streams

Rolling application streams are supported for the full life of the Oracle Linux 9 release. New versions of the streams replace existing versions in update releases. Rolling streams are only

used when it's essential to have new versions of the stream. Users of rolling streams understand when and how the streams are updated and be prepared for newer versions.

Application Stream	Release Date	Version
container-tools	2023-05	o19
Git	2023-05	2.39.1
GNU Autoconf	2024-05	2.71
GNU Make	2024-11	4.4.1
Go	2025-08	1.24.6
Java Mission Control	2023-05	7.1.1
LLVM	2025-05	19.1.7
Rust	2025-05	1.84.1

## Oracle Linux 8 Application Streams

The following tables lists AppStream packages currently in Oracle Linux 8. As best practice, you should upgrade to the latest release of these packages as possible. Oracle continues to provide support for modules in the AppStream channel until the specified retirement date, as listed in the tables.

## Oracle Linux 8 Full Life Application Streams

Where possible, if several shorter-lived Application Streams are available, a single stream that extends the duration of the underlying Oracle Linux release might be offered.

**Table 2-5 Oracle Linux 8 Full Life Application Streams Release Life Cycle**

Application Stream	Release Date	Release
Ansible Core 2.16	2022-05	8.6
Apache Ant 1.10	2019-07	8.0
Apache Subversion 1.10	2019-07	8.0
FreeRADIUS 3.0	2019-07	8.0
Git 2	2019-07	8.0
Apache httpd 2.4	2019-07	8.0
Identity Management Client	2019-07	8.0
Maven 3.8	2022-11	8.7
mod_auth_openidc for Apache	2019-07	8.0
MySQL 8.4	2024-05	8.10
osinfo-db	2019-07	8.0
NGINX 1.24	2024-05	8.10
Perl 5.26	2019-07	8.0
Perl 5.32	2022-05	8.6
PHP 7.4	2020-11	8.3
PostgreSQL 12	2020-02	8.1
Python 3.6	2019-07	8.0
Python 3.12	2024-05	8.10
Redis 6	2021-05	8.4
Ruby 2.5	2019-07	8.0
Squid 4	2019-07	8.0

**Table 2-5 (Cont.) Oracle Linux 8 Full Life Application Streams Release Life Cycle**

Application Stream	Release Date	Release
Varnish 6	2019-07	8.0
virt ol	2019-07	8.0

## Oracle Linux 8 Standard Application Streams

During the Oracle Linux lifecycle, updated versions of most Application Streams are released as needed. Each stream's support lifecycle is aligned either with upstream support or specific product requirements. Several versions of an Application Stream might be available simultaneously, and their support periods might overlap.

### Note

Retirement dates apply at the end of the documented month.

**Table 2-6 Oracle Linux 8 Application Stream Life Cycle**

Application Stream	Release Date	Retirement Date	Release
Apache Subversion 1.14	2021-05	2024-05	8.4
authd 1.4.4	2019-07	2021-05	8.0
container-tools 1.0	2019-07	2021-05	8.0
container-tools 2.0	2020-05	2022-05	8.2
container-tools 3.0	2021-05	2023-05	8.4
container-tools 4.0	2022-05	2024-05	8.6
.NET 2.1	2019-07	2021-08	8.0
.NET 3.0	2019-11	2020-03	8.1
.NET 3.1	2020-02	2022-12	8.1
.NET 5.0	2020-11	2022-05	8.3
.NET 6.0	2021-11	2024-11	8.5
.NET 7.0	2022-11	2024-05	8.7
.NET 8.0	2023-11	2026-11	8.9
.NET 9.0	2024-05	2026-11	8.10
.NET 10.0	2024-05	2028-11	8.10
gcc-toolset 9	2019-11	2021-11	8.1
gcc-toolset 10	2020-11	2022-11	8.3
gcc-toolset 11	2021-11	2023-11	8.5
gcc-toolset 12	2022-11	2024-11	8.7
gcc-toolset 13	2023-11	2025-11	8.9
gcc-toolset 14	2024-05	2026-11	8.10
gcc-toolset 15	2024-05	2029-11	8.10
Mailman 2.1	2019-07	2024-06	8.0
Maven 3.5	2019-07	2022-05	8.0
Maven 3.6	2020-05	2023-04	8.2

**Table 2-6 (Cont.) Oracle Linux 8 Application Stream Life Cycle**

Application Stream	Release Date	Retirement Date	Release
Mercurial 4.8	2019-07	2022-11	8.0
Mercurial 6.2	2022-11	2025-11	8.7
MySQL 8	2019-07	2026-04	8.0
NGINX 1.14	2019-07	2021-05	8.0
NGINX 1.16	2019-11	2021-10	8.1
NGINX 1.18	2020-11	2022-11	8.3
NGINX 1.20	2021-11	2023-11	8.5
NGINX 1.22	2023-05	2025-11	8.8
NGINX 1.24	2024-05	2029-05	8.10
Node.js 10	2019-07	2021-04	8.0
Node.js 12	2019-11	2022-04	8.1
Node.js 14	2020-11	2023-04	8.3
Node.js 16	2021-11	2024-04	8.5
Node.js 18	2022-11	2025-04	8.7
Node.js 20	2023-11	2026-04	8.9
Node.js 22	2024-05	2027-04	8.10
Node.js 24	2024-05	2028-04	8.10
OpenJDK 8	2019-07	2026-05	8.0
OpenJDK 11	2019-07	2024-10	8.0
OpenJDK 17	2021-11	2027-12	8.5
OpenJDK 21	2023-11	2029-12	8.9
Perl 5.24	2019-07	2021-05	8.0
Perl 5.30	2020-11	2023-11	8.3
PHP 7.2	2019-07	2021-05	8.0
PHP 7.3	2019-11	2021-11	8.1
PHP 8.0	2022-05	2024-11	8.6
PHP 8.2	2024-05	2029-05	8.10
PostgreSQL 9.6	2019-07	2021-11	8.0
PostgreSQL 10	2019-07	2024-05	8.0
PostgreSQL 13	2021-05	2026-05	8.4
PostgreSQL 15	2023-05	2028-05	8.8
PostgreSQL 16	2024-05	2029-05	8.10
Python 2.7	2019-07	2024-06	8.0
Python 3.8	2020-05	2023-05	8.2
Python 3.9	2021-05	2025-11	8.4
Python 3.11	2023-05	2026-05	8.8
Redis 5	2019-07	2022-05	8.0
Ruby 2.6	2019-11	2022-03	8.1
Ruby 2.7	2020-11	2023-03	8.3
Ruby 3.0	2021-11	2024-03	8.5
Ruby 3.1	2022-11	2025-03	8.7
Ruby 3.3	2024-05	2027-03	8.10
Scala 2.10	2019-05	2023-05	8.0
SWIG 3	2019-07	2022-05	8.0

**Table 2-6 (Cont.) Oracle Linux 8 Application Stream Life Cycle**

Application Stream	Release Date	Retirement Date	Release
SWIG 4	2021-05	2024-05	8.4
SWIG 4.1	2023-05	2027-05	8.8

## Oracle Linux 8 Rolling Application Streams

Rolling application streams are supported for the full life of the Oracle Linux 8 release. New versions of the streams replace existing versions in update releases. Rolling streams are only used when it's essential to have new versions of the stream. Users of rolling streams understand when and how the streams are updated and be prepared for newer versions.

Application Stream	Release Date	Version
container-tools	2019-07	o18
Gnu Make (Last version)	2022-11	o18
Go	2025-04	1.23.6
Java Mission Control	2021-11	8.0.1
LLVM	2025-05	19.1.7
Rust	2025-05	1.84.1

## Oracle Linux 8 Dependent Application Streams

Dependent application streams are only supported while used by other "Full Life", "Rolling" or "Standard" application streams and not as standalone packages.

**Table 2-7 Dependent Application Streams**

Application Stream
389-ds 1.4
pki-core
pki-deps

# 3

## Oracle Cloud Native Environment

Oracle Cloud Native Environment releases are supported for CVE and bug fixes based on a time period following each release of the product. Support periods are based the major and minor release numbers (for example 1.9, 2.0), not on the patch releases (for example: 1.9.5 or 2.0.1, and so on).

For more information about Oracle Cloud Native Environment, see [Oracle Cloud Native Environment documentation](#).

**Table 3-1 Oracle Cloud Native Environment Support Schedules**

Description	Full Support (0-4 months)	Maintenance Support 1 (4-8 months)	Maintenance Support 2 (8-16 months)
Qualified Security Fixes Critical (C) and Important (I)	C, I	C, I	C
Bug fix by severity Critical (C) and Important (I)	C, I	C	No
Security Announcements	Yes	Yes	Yes
Bug Fix Errata Announcements	Yes	Yes	No

The following table lists the dates on which each major product release was made available. Any product releases not listed in this table are no longer supported.

**Table 3-2 Oracle Cloud Native Environment Release Dates**

Oracle Cloud Native Environment Release Number	Release Date	Kubernetes Release Number
2.3	January 2026	1.33
2.2	July 2025	1.32
2.1	February 2025	1.31
2.0	September 2024	1.30
1.9	June 2024	1.29
1.8	January 2024	1.28

# 4

## Oracle Linux Automation Manager

Oracle Linux Automation Manager releases are supported for CVE and bug fixes based on a time period following each release of the product. Support periods are based the major release numbers (for example 1 and 2), not on the minor or patch releases (for example: 1.0.1 or 2.1, and so on).

For more information about Oracle Linux Automation Manager, see [Oracle Linux Automation Manager documentation](#).

**Table 4-1 Oracle Linux Automation Manager Support Schedules**

Description	Full Support (0-6 months)	Maintenance Support 1 (6-12 months)	Maintenance Support 2 (12-18 months)
Qualified Security Fixes Critical (C) and Important (I)	C, I	C, I	C
Bug fix by severity Critical (C) and Important (I)	C, I	C	No
Security Announcements	Yes	Yes	Yes
Bug Fix Errata Announcements	Yes	Yes	No
Select Software Enhancements	Yes	No	No

# 5

## Oracle Linux Virtualization Manager

Oracle Linux Virtualization Manager receives CVE and bug fix updates for the current and the previous major and minor releases (N and N-1). A release that's at N-1 receives CVE and bug fix updates for a 6 month period following the N release date. Updates are based on the major and minor release numbers (for example 1.0 to 2.0 or 1.3 to 1.4, and so on), not on the patch releases (for example: 1.2.1 or 1.2.2, and so on).

For more information about Oracle Linux Virtualization Manager, see [Oracle Linux Virtualization Manager documentation](#).

**Table 5-1 Oracle Linux Virtualization Manager CVE and Bug Fix Updates**

Oracle Linux Virtualization Manager	Release Date	CVE and Bug Fix Updates
Release 4.5 (N)	December 2023	Yes
Release 4.4 (N-1)	April 2022	Available until July 2024
Release 4.3 (N-2)	April 2020	Ended October 2022