Oracle Linux
Product Life Cycle Information

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Preface

Oracle Linux: Product Life Cycle Information provides information about product release life cycles that fall outside of the standard Oracle Linux and Oracle VM Lifetime Support Policy 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.

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Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

1
Application Stream Module Life Cycle

While the core operating system packages in the BaseOS repository for Oracle Linux 8 and Oracle Linux 9 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 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 there are multiple shorter-lived Application Streams offered, a single stream that extends the duration of the underlying Oracle Linux release may be offered.

Table 1-1   Oracle Linux 9 Full Life Application Streams Release Life Cycle

Module	Stream	Release Date	Retirement Date	Release
N/A	httpd 2.4	June 2022	June 2032	9.0
N/A	perl 5.32	June 2022	June 2032	9.0
N/A	php 8.0	June 2022	June 2032	9.0

Table 1-1   (Cont.) Oracle Linux 9 Full Life Application Streams Release Life Cycle

Module	Stream	Release Date	Retirement Date	Release
N/A	`postgresql 13`	June 2022	June 2032	9.0
N/A	`python 3.9`	June 2022	June 2032	9.0
N/A	`ruby 3.0`	June 2022	June 2032	9.0

Oracle Linux 9 Standard Application Streams

New versions of most Application Streams become available, as needed, during the Oracle Linux life cycle. Life cycles align to the upstream support life or to product needs as required. Multiple versions of the same Application Stream may be available at the same time with overlapping support durations.

Table 1-2   Oracle Linux 9 Application Stream Life Cycle

Module	Stream	Release Date	Retirement Date	Release
N/A	`ansible-core`	June 2022	November 2023	9.0
N/A	`dotnet 6`	June 2022	November 2024	9.0
	`dotnet 7`	November 2022	May 2024	9.1
	`dotnet 8`	November 2023	November 2026	9.3
N/A	`gcc-toolset 12`	November 2022	November 2024	9.1
	`gcc-toolset 13`	November 2023	November 2025	9.3
N/A	`IDM`	June 2022	May 2027	9.0
maven	`maven 3.8`	November 2022	November 2025	9.1
N/A	`MySQL 8.0`	June 2022	April 2026	9.0
nginx	`nginx 1.22`	May 2023	November 2025	9.2
nodejs	`nodejs 16`	June 2022	April 2024	9.0
	`nodejs 18`	November 2022	April 2025	9.1
	`nodejs 20`	November 2023	April 2026	9.3
N/A	`openjdk 1.8.0`	June 2022	May 2026	9.0
	`openjdk 11`	June 2022	October 2024	9.0
	`openjdk 17`	June 2022	December 2027	9.0
	`openjdk 21`	November 2023	December 2029	9.3
php	`php 8.1`	November 2022	May 2025	9.1
postgresql	`postgresql 15`	May 2023	May 2028	9.2
N/A	`python 3.11`	May 2023	May 2026	9.2
redis	`redis 7`	November 2023	November 2026	9.3
ruby	`ruby 3.1`	November 2022	March 2025	9.1

Table 1-2   (Cont.) Oracle Linux 9 Application Stream Life Cycle

Module	Stream	Release Date	Retirement Date	Release
N/A	`Tomcat mod_jk connector for Apache`	May 2022	May 2027	9.0

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 having new versions of the stream is very important. Users of rolling streams should understand when and how the streams are updated and be prepared for newer versions.

Rolling Application Stream	Release Date	Version
`container-tools`	June 2022	ol9
`Rust`	June 2022	1.66.1
`LLVM`	June 2022	15.0.7
`Go`	June 2022	1.19.6
`Git`	June 2022	2.39.1
`Java Mission Control`	June 2022	7.1.1

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 offered, a single stream that extends the duration of the underlying Oracle Linux release might also be offered.

Table 1-3   Oracle Linux 8 Full Life Application Streams Release Life Cycle

Module	Stream	Release Date	Retirement Date	Release
ant	`ant 1.10`	July 2019	July 2029	8.0
Apache Subversion	`subversion 1.10`	July 2019	July 2029	8.4
git	`git 2`	July 2019	July 2029	8.0
httpd	`httpd 2.4`	July 2019	July 2029	8.0
Identity Management	`Identity Management Client`	July 2019	July 2029	8.0

Table 1-3   (Cont.) Oracle Linux 8 Full Life Application Streams Release Life Cycle

Module	Stream	Release Date	Retirement Date	Release
perl	`perl 5.26`	July 2019	July 2029	8.0
php	`php 7.4`	November 2020	July 2029	8.3
postgresql	`postgresql 12`	February 2020	July 2029	8.1
python	`python 3.6`	July 2019	July 2029	8.0
redis	`redis 6`	May 2021	July 2029	8.4
ruby	`ruby 2.5`	July 2019	July 2029	8.0
squid	`squid 4`	July 2019	July 2029	8.0
virt	`ol`	July 2019	July 2029	8.0

Oracle Linux 8 Standard Application Streams

New versions of most Application Streams become available, as needed, during the Oracle Linux life cycle. Life cycles align to the upstream support life or to product needs as required. Several versions of the same Application Stream might be available at the same time with overlapping support durations.

Table 1-4   Oracle Linux 8 Application Stream Life Cycle

Module	Stream	Release Date	Retirement Date	Release
N/A	`ansible-core`	May 2022	November 2023	8.6
Apache Subversion	`subversion 1.14`	May 2021	May 2024	8.4
authd	`authd 1.4.4`	July 2019	May 2021	8.0
container-tools	`container-tools 1.0`	July 2019	May 2021	8.0
	`container-tools 2.0`	May 2020	May 2022	8.2
	`container-tools 3.0`	May 2021	May 2023	8.4
	`container-tools 4.0`	May 2022	May 2024	8.6
dotnet	`dotnet 2.1`	July 2019	August 2021	8.0
	`dotnet 3.0`	November 2019	March 2020	8.1
	`dotnet 3.1`	February 2020	December 2022	8.1
	`dotnet 5.0`	December 2020	May 2022	8.3
	`dotnet 6.0`	November 2021	November 2024	8.5
	`dotnet 7.0`	November 2022	May 2024	8.7
	`dotnet 8.0`	November 2023	May 2026	8.9
freeradius	`freeradius 3.0`	July 2019	May 2024	8.0
gcc-toolset	`gcc-toolset 9`	November 2019	November 2021	8.1

Table 1-4   (Cont.) Oracle Linux 8 Application Stream Life Cycle

Module	Stream	Release Date	Retirement Date	Release
	`gcc-toolset 10`	November 2020	November 2022	8.3
	`gcc-toolset 11`	November 2021	November 2023	8.5
	`gcc-toolset 12`	November 2022	November 2024	8.7
	`gcc-toolset 13`	November 2023	November 2025	8.9
glusterFS	`glusterFS 6`	March 2020	May 2022	8.1
	`glusterFS 8`	November 2021	July 2024	8.5
mailman	`mailman 2.1`	July 2019	June 2024	8.0
maven	`maven 3.5`	July 2019	May 2022	8.0
	`maven 3.6`	May 2020	April 2023	8.2
	`maven 3.8`	November 2022	November 2025	8.7
mercurial	`mercurial 4.8`	July 2019	November 2022	8.0
	`mercurial 6.2`	November 2022	November 2025	8.7
mysql	`mysql 8`	July 2019	April 2026	8.0
nginx	`nginx 1.14`	July 2019	May 2021	8.0
	`nginx 1.16`	November 2019	October 2021	8.1
	`nginx 1.18`	November 2020	November 2022	8.3
	`nginx 1.20`	November 2021	November 2023	8.5
	`nginx 1.22`	May 2023	November 2025	8.8
nodejs	`nodejs 10`	July 2019	April 2021	8.0
	`nodejs 12`	November 2019	April 2022	8.1
	`nodejs 14`	November 2020	April 2023	8.3
	`nodejs 16`	November 2021	April 2024	8.5
	`nodejs 18`	November 2022	April 2025	8.7
	`nodejs 20`	November 2023	April 2026	8.9
openjdk	`openjdk 1.8.0`	July 2019	May 2026	8.0
	`openjdk 11`	July 2019	October 2024	8.0
	`openjdk 17`	November 2021	December 2027	8.5
perl	`perl 5.24`	July 2019	May 2021	8.0
	`perl 5.30`	November 2020	November 2023	8.3
	`perl 5.32`	May 2022	April 2025	8.6
php	`php 7.2`	July 2019	May 2021	8.0
	`php 7.3`	November 2019	November 2021	8.1
	`php 8.0`	May 2022	November 2024	8.6
postgresql	`postgresql 9.6`	July 2019	November 2021	8.0

Table 1-4   (Cont.) Oracle Linux 8 Application Stream Life Cycle

Module	Stream	Release Date	Retirement Date	Release
	postgresql 10	July 2019	May 2024	8.0
	postgresql 13	May 2021	May 2026	8.4
	postgresql 15	May 2023	May 2028	8.8
python	python 2.7	July 2019	June 2024	8.0
	python 3.8	May 2020	May 2023	8.2
	python 3.9	May 2021	May 2024	8.4
	python 3.11	May 2023	May 2026	8.8
redis	redis 5	July 2019	May 2022	8.0
ruby	ruby 2.6	November 2019	March 2022	8.1
	ruby 2.7	November 2020	March 2023	8.3
	ruby 3.0	November 2021	March 2024	8.5
	ruby 3.1	November 2022	March 2025	8.7
scala	scala 2.1	July 2019	May 2023	8.0
swig	swig 3	July 2019	May 2022	8.0
	swig 4	May 2021	May 2024	8.4
	swig 4.1	May 2023	May 2027	8.8
varnish	varnish 6	July 2019	June 2024	8.0
virt	kvm_utils	June 2021	June 2023	8.3
	kvm_utils2	May 2022	May 2024	8.5
	kvm_utils3	May 2023	May 2025	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 having new versions of the stream is very important. Users of rolling streams should understand when and how the streams are updated and be prepared for newer versions.

Rolling Application Stream	Release Date	Version
LLVM	May 2021	13.0.1
Gnu Make (Last version)	November 2022	ol8
Go	May 2021	1.17
Java Mission Control	November 2021	8.0.1
Rust	May 2021	1.58.1

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 1-5   Dependent Application Streams

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

2

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 1.7, 2.0), not on the patch releases (for example: 1.7.5 or 2.0.1, and so on).

For more information about Oracle Cloud Native Environment, see Oracle Cloud Native Environment documentation.

Table 2-1   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

3

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 3-1   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

4
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 4-1   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