

Oracle Linux for Distributed and Multicloud Environments

Built for infrastructure security and agility



Proven operations at cloud scale

Oracle Linux, the most popular Linux for running customer applications on Oracle Cloud, is the same operating system (OS) used to run the entire [Oracle Cloud Infrastructure \(OCI\)](#). Whatever scale of operations you plan in the cloud, Oracle Linux is ready, letting you focus on your applications and your business.



Designed for security, uptime, and automation

All operating systems require frequent patching to stay secure, but many users delay patching to avoid scheduled downtime, resulting in less secure systems. [Oracle Ksplice](#) performs zero-downtime patching, delivering greater reliability, the latest security, and lower administrative effort. For fully automated patching and tuning, use [Oracle Autonomous Linux](#) on OCI to stay secure without human intervention. For more control over the OS lifecycle, use the [Oracle OS Management Hub](#) service to manage and monitor a fleet across distributed and multicloud environments.

Ksplice is included with an OCI Compute subscription or [Oracle Linux Premier Support](#). OS Management Hub is included with an OCI Compute subscription, [Oracle Linux Basic Support](#), or [Oracle Linux Premier Support](#). Autonomous Linux is available on OCI and is included with an OCI subscription.



Enhanced performance for the most important applications

[Oracle Linux is specifically designed to power Oracle Database](#), enterprise applications, and critical infrastructure, like OCI and Exadata. Building on its long history and maturity, Oracle Linux keeps delivering innovations to support the newest and most demanding use cases. Oracle engineers know what it takes to build a high-performance application stack from bottom to top—why use anything else? Additionally, Oracle and SAP have certified [SAP NetWeaver-based applications using Oracle Database to run in the cloud](#). Oracle Linux is the only supported Linux OS for these environments.



Built by and for the people who use it

Most application vendors and infrastructure operators don't build operating systems, and most OS vendors don't build infrastructure and applications. Oracle builds, operates, and supports all three, so our OS engineers not only have a strong interest in delivering a high-performance OS, they also have a direct pipeline to the most important use cases. Oracle Linux is the result of that aligned expertise and is available in OCI, other clouds such as Amazon Web Services, Microsoft Azure, and Google Cloud, and on brand name x86-64 and Arm servers for use on-premises.

Meet the demand for a secure environment

96% of cybersecurity personnel surveyed believe they need to improve their knowledge of the security threat landscape



With Ksplice, customers reduced their patching window from a full day to a few minutes and gained the ability to make urgent security patches at a moment's notice—with no downtime.

29K Common Vulnerabilities and Exposures reported in 2023, an increase of 16% from the previous year



Oracle Linux takes advantage of synergies built into OCI and Oracle engineered systems, and lets customers benefit from a "one Linux" strategy.

3X increase of vulnerabilities exploited in 2023 from the previous year



Customers can run Oracle Linux on-premises and on hyperscaler clouds to build distributed and multicloud systems with technical consistency and fewer OS vendors required.

55 number of days to remediate 50% of critical vulnerabilities once a patch is released

Oracle Linux: **Open** | **Secure** | **Compatible**

Why Oracle Linux



Ksplice zero-downtime updates

Most organizations take an average of 134 days to apply security patches to all systems. Oracle [Ksplice can apply critical patches without rebooting](#) (and roll them back), allowing administrators to patch much faster and enabling them to keep their systems much more available and secure.



Modern high performance Linux kernel

The [Unbreakable Enterprise Kernel](#) for Oracle Linux is a long-term, stable kernel with the latest upstream features for better performance and reliability. Alternatively, users can choose the Red Hat Compatible Kernel. Both options are 100% application binary compatible with applications certified for Red Hat Enterprise Linux (RHEL).



Cloud optimized and cloud ready

Oracle Linux instances deployed from within OCI are preconfigured to work with [OS Management Hub for out-of-the-box fleet patching, monitoring, and management](#). Pre-installed OCI utilities simplify and accelerate the deployment and configuration of Oracle Linux instances. [Pre-configured developer images](#) provide a comprehensive cloud development environment with tools, languages, OCI SDKs, and database connectors.



Lowest cost operations

With no license cost and [Premier Support](#) included at no additional cost, every instance of Oracle Linux on OCI saves you money. Combined with [OCI's excellent price / performance](#), you get a highly integrated technology stack at significantly lower operating costs. For distributed and multicloud operations, Oracle Linux continues to deliver great economics with [open source licensing](#) and flexible [support options](#).



Self-patching autonomous OS

Keep your [instances fully patched and automatically tuned by selecting Autonomous Linux](#). You keep the same low operating cost, save administrative time, and avoid expensive mistakes or security risks due to unapplied patches or misconfigurations.



89%

of organizations report to have a multicloud strategy

Make the Switch...



Switch from IBM / Red Hat Enterprise Linux

Get 100% application binary compatibility, higher uptime, and Oracle Linux Premier Support included with your OCI Compute subscription.



Switch to a common operating environment

Simplify the development and deployment of your applications across distributed and multicloud environments with a commercially supported OS available on all major cloud providers, as well as on-premises.



Switch from CentOS Linux

Deploy Oracle Linux as the best alternative to CentOS Linux. Oracle Linux software is freely available, including all updates and patches. And it's 100% application binary compatible with RHEL. Migrate and upgrade from CentOS Linux to Oracle Linux in a few simple steps.



Switch for higher service levels and lower costs

Oracle Linux is supported on-premises, on OCI, and on Amazon Web Services, Microsoft Azure, and Google Cloud. Choose to run Oracle Linux on OCI to simplify your technology vendors in your application and help increase service levels. An all-Oracle stack can include on-premises hardware and OCI, OS, database, middleware, and application. Oracle Linux is free to license, and Premier Support is included with your OCI Compute subscription.

[Get Started with Oracle Linux on OCI >](#)

