Oracle Linux for Cloud and Hybrid Environments

“If you’re concerned with infrastructure security and agility while maintaining complex hybrid environments, you’re not alone. These are today’s top IT goals.” —Mark Peters, ESG Practice Director

Proven operations at cloud scale

Oracle Cloud Infrastructure (OCI) is built on Oracle Linux, the same distribution used by the largest share of customer workloads. Whatever scale of operations you plan in the cloud, Oracle Linux is ready for more, letting you focus your expertise on your application 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 longer delays between patching and less secure systems. Oracle Linux includes Ksplice for no-downtime patching, delivering the highest uptime, most current security, and lowest administrative effort. For fully automated patching and tuning, use Autonomous Linux to stay secure without human intervention. For more control, use the OS Management service to manage a fleet – all included with an OCI subscription.

Enhanced performance for the most important applications

Oracle Linux is specifically designed to power Oracle’s 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?

Built by and for the people who use it

Most application vendors and infrastructure operators don’t build operating systems, and most operating system 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 the cloud and on-premises.

Meet the demand for a secure hybrid environment

- 135% growth rate of Oracle Linux on OCI
- 3x Oracle Linux is 3x as popular as the next leading distribution on OCI
- 75% of customers say dealing with fewer vendors would result in fewer person-hours

- 71% of organizations surveyed say security is top of mind
- 60% of organizations agree that a major company in their industry will go bankrupt in the next 24 months due to a security incident
- 69% of organizations expect to use 3+ public cloud providers by end of 2021
- 86% of organizations with a uniform patching policy take > 1 month to apply patches

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.

Oracle Linux leverages synergies built into Oracle Cloud Infrastructure and Oracle engineered systems, and lets customers practice a “one Linux” strategy.

Customers can run Oracle Linux on-premises and on every major cloud to build hybrid systems with technical consistency and fewer vendors.

Oracle Linux on OCI: Compatible | Secure | Agile
Oracle Linux continues to deliver great economics with open source licensing and flexible support options.

**World’s only 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.

**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 RHEL.

**Cloud optimized and cloud ready**
Every instance is pre-configured to work with the OS Management service for out-of-the-box fleet patching, monitoring, and management. Pre-installed OCI utilities simplify and accelerate the deployment and configuration of Oracle Linux and KVM instances. Available pre-configured developer instances provide a comprehensive cloud development environment with tools, languages, OCI SDKs, and database connectors.

**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 with no reboot (and roll them back), allowing administrators to patch much faster and keep their systems much more secure.

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**Why Oracle Linux on OCI**

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**Lowest cost operations**
With no license cost, and Premier Support included for free, 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 best-in-the-business low operating costs. For the on-premises part of hybrid operations, Oracle Linux continues to deliver great economics with open source licensing and flexible support options.

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**89% of organizations expect to operate hybrid systems by 2025**

**Make the switch...**

**Switch from IBM / Red Hat Enterprise Linux**
Get 100% application binary compatibility, higher uptime, and Premier Support included in your OCI subscription.

**Switch from CentOS**
Deploy Oracle Linux as the best alternative to CentOS and avoid a last-minute scramble at the end of that distribution’s shipping life.

**Switch to a common operating environment**
Simplify the development and deployment of your hybrid architectures with the only commercially supported Linux distribution suitable for development and production, and available on all major cloud providers, as well as on-premises.

**Switch for higher service levels and lower costs**
Dramatically reduce your time to troubleshoot outages by reducing the number of IT vendors supporting your application. An all-Oracle supported tech stack can include on-premises and cloud hardware, OS, database, middleware, and applications, meaning a single vendor to help you achieve your best availability. Oracle Linux is free to license, and Premier Support is included with your OCI subscription.

**Switch without disruption**
Switching to Oracle Linux is so easy, in many cases you don’t even need a reboot. New deployments roll out quickly and easily with no changes.

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2. Enterprise Strategy Group 2020 Survey: Today’s Top 3 IT Challenges with Modern Application Environments