

# Oracle Linux for Oracle Cloud Infrastructure

Oracle Linux is a secure and high performance operating environment that is used extensively by thousands of customers worldwide in the cloud and on-premises. It powers Oracle Cloud and Oracle Engineered Systems. Oracle Linux Premier Support is included with Oracle Cloud Infrastructure (OCI) subscriptions at no additional cost. It provides access to award-winning Oracle support resources and Linux support specialists, zero-downtime updates using Oracle Ksplice, cloud developer and management tools, and more. Oracle Linux offers the most cost-effective and integrated operating environment for OCI, with the best platform experience for Oracle and non-Oracle applications alike.

## A proven foundation

Oracle Linux is tuned for diverse and demanding workloads at cloud scale. Oracle is the only vendor that offers a complete, Linux-based solution stack—applications, middleware, database, management tools, operating system (OS), virtualization, hardware, engineered systems, and cloud—with a single point of contact for support. Customers can choose to run the same Oracle Linux on-premises or in the cloud, simplifying the process of moving workloads between environments, which provides a consistent and reliable operating system (OS) experience. Oracle Linux is used extensively by customers in their data centers, on OCI, and on other clouds worldwide. Many [Independent Software Vendors \(ISVs\)](#) support their software on Oracle Linux and work closely with Oracle to provide collaborative support to customers.

## Cloud-ready integrated features and benefits

Customers running Oracle Linux instances on OCI have access to 24/7 expert Linux support, the My Oracle Support portal with an extensive Linux knowledge base, and operating environment tools and services, providing an enhanced developer experience in the cloud. All this is available at no additional cost, making Oracle Linux a highly, cost-effective choice on OCI.

OCI subscriptions include the following Oracle Linux operating environment features and benefits:

Fast and easy deployment

- **Frequent Oracle Linux image updates.** Oracle Linux OS platform images can be quickly and easily deployed on a choice of Intel and AMD (x86\_64), and Ampere Arm (aarch64) virtual machine and bare metal OCI shapes. Oracle Linux images available on OCI are frequently updated to help ensure access to the latest software.
- **Faster downloads.** [Oracle Linux yum server](#) and [Oracle Container Registry](#) are mirrored inside OCI regions to enable faster downloads for container images for Oracle software and the latest Oracle Linux bug fixes and security errata. Because all network traffic stays within OCI data centers, no Internet traffic bandwidth is consumed, and no additional network egress charges are incurred.
- **Simplified cloud deployment and configuration.** Pre-installed [OCI utilities](#) simplify and accelerate the deployment and configuration of Oracle Linux instances on OCI.

1 Oracle Linux for Oracle Cloud Infrastructure data sheet

### Enhanced security and compliance

- **Ksplice zero-downtime updates.** [Oracle Ksplice](#) is installed and enabled by default for Oracle Linux OS platform images deployed on OCI. It helps keep the Oracle Linux kernel and select user space libraries up to date with the latest critical fixes without incurring additional operational costs or requiring planned downtime.

### Management tools and services

- **Autonomous Linux operation.** [Oracle Autonomous Linux](#) is based on Oracle Linux and available in OCI. It automatically handles management tasks, including zero-downtime patching without human intervention, and monitors for critical events. It helps keep Oracle Linux systems highly secure and available and helps reduce manual labor and operational costs.
- **Simplified and automated operating system management.** [Oracle OS Management Hub](#) simplifies the management and monitoring of Oracle Linux updates on-premises and in the cloud, through a centralized management console in OCI. This service automates common management tasks, including patch and package management, job scheduling, promotion of updates across user-defined stages of a lifecycle environment, and security compliance reporting.
- **Comprehensive containers and container management support.** Oracle Container Registry serves as a trusted source for patched Oracle software container images. Support is included for Oracle Container Runtime for Docker and Oracle Linux Container Services for use with Kubernetes.

### Enhanced developer experience

- **OCI developer tools.** OCI Software Development Kits (SDKs) and Oracle Cloud Command Line Interfaces (CLIs) are deployed faster and easier through Oracle-provided yum server RPM's, available locally in OCI.
- **Optimized Linux development platform.** Easy access to Linux developer and preview software channels is available in each OCI region's Oracle Linux yum server. Thousands of EPEL packages, available under the EPEL channel, are built and signed by Oracle for security and compliance.
- **Quick and easy launch of developer instances.** The [Oracle Linux Cloud Developer image](#) is an Oracle Linux-based, ready-to-run image that provides an out-of-the-box development platform. It is available for deployment on x86\_64 and Arm shapes in OCI. The image pre-installs and launches a comprehensive cloud development environment that includes Java SE, Oracle GraalVM, a choice of popular development languages and tools, OCI SDKs, CLIs, and Oracle Database connectors.

### Comprehensive support

- **Extended support for Oracle Linux.** In addition to Oracle Linux Premier level support, [Oracle Linux Extended Support](#) is available beyond normal production support and included with an OCI subscription.

## Supported hardware in OCI

Oracle Linux is supported on the following hardware architectures in OCI

- 64-bit Intel and AMD (x86\_64)
- 64-bit [Arm](#) (aarch64)

## Free and comprehensive training resources

- In addition to documentation, Oracle offers [free and comprehensive training resources](#) such as learning paths, tutorials, hands-on labs, and videos to help users develop applications on Oracle Linux and get the best value from their Oracle Linux deployments in OCI.

## Additional resources

Test drive Oracle Linux today on Oracle Cloud Free Tier by [signing up](#) for an OCI account. To learn more about Oracle Linux and OCI, visit the following links:

- Learn more at [oracle.com/linux](https://oracle.com/linux)
- [Oracle Linux datasheet](#)
- [Oracle Cloud Infrastructure](#)
- [Oracle Linux Support](#)
- [Oracle Linux documentation and training](#)
- [Oracle Linux for OCI resources and training](#)
- [Oracle Linux ISV catalog](#)

## Connect with us

Call +1.800.ORACLE1 or visit [oracle.com/linux](https://oracle.com/linux). Outside North America, find your local office at: [oracle.com/contact](https://oracle.com/contact).

 [blogs.oracle.com/linux](https://blogs.oracle.com/linux)  [facebook.com/oraclelinux](https://facebook.com/oraclelinux)  [twitter.com/oraclelinux](https://twitter.com/oraclelinux)

Copyright © 2024, Oracle and/or its affiliates. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.