ORACLE Linux

Oracle Linux for Oracle Cloud Infrastructure

Oracle Linux is a proven operating environment that is optimized for performance, scalability, reliability and security. It powers Oracle Cloud and Oracle Engineered Systems, is used extensively by tens of thousands of customers globally, and is certified to run software from thousands of independent software vendors. Oracle's Autonomous Linux, along with Oracle OS Management Service, is the first and only autonomous operating environment that helps greatly reduce complexity and human error to deliver increased cost savings, security, and availability.

Oracle Linux Premier Support is included with Oracle Cloud Infrastructure subscriptions at no additional cost. It provides access to award-winning Oracle support resources and Linux support specialists, zero-downtime updates using Oracle Ksplice, and cloud developer and management tools. Oracle Linux offers the most cost-effective and integrated operating environment for Oracle Cloud, with the best platform experience for Oracle and non-Oracle applications alike.

Key Features

- Oracle Cloud Infrastructure subscriptions include Oracle Linux Premier Support at no additional cost
- Automated patching and package management capabilities with Oracle Autonomous Linux and Oracle OS Management Service keep systems highly secure and reliable
- Access to frequent Oracle Linux image updates with the latest bug fixes and security errata
- Faster downloads from local region Oracle Container Registry and Oracle Linux yum server within Oracle Cloud Infrastructure, without incurring network charges
- Ksplice pre-installed in Oracle Cloud Infrastructure is ready to update the Linux kernel and user space with zero-downtime
- Comprehensive containers and container management support

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A PROVEN FOUNDATION

Oracle is the only cloud service provider that offers a complete Linux-optimized services stack from a single vendor - applications, middleware, database, management tools, and infrastructure. Oracle Linux is used extensively by Oracle Cloud customers worldwide. Thousands of Independent Software Vendors (ISVs) certify their software on Oracle Linux. With Oracle Linux in Oracle Cloud Infrastructure, applications run on a proven foundation in the cloud.

CLOUD-READY INTEGRATED SERVICES

Oracle Linux for Oracle Cloud Infrastructure offers autonomous Linux operation, access to the latest packages and updates for Oracle Linux, 24x7 expert Linux support, the My Oracle Support portal with an extensive Linux knowledge base, Oracle Ksplice zero-downtime updates, and the use of Oracle Enterprise Manager Cloud Control to manage and monitor Oracle Linux instances, at no additional cost. In addition, customers have a single point of contact for cloud infrastructure, operating environment, and other Oracle software support.

Oracle extensively tests and validates Oracle Linux on Oracle Cloud Infrastructure, and continually delivers innovative new features to enhance the experience in Oracle Cloud. In addition to the features and tools provided with Oracle Linux Premier Support, Oracle Cloud Infrastructure subscriptions include the following Oracle Linux benefits:

- **Autonomous Linux operation**. Oracle Autonomous Linux, available in Oracle Cloud Infrastructure, automatically handles common management tasks including patching with zero downtime, and helps keep systems highly secure, saving labor costs, and achieving higher availability.
- **Automated operating system management.** Oracle OS Management Service is an Oracle Cloud Infrastructure integrated solution that helps users manage which of their servers to automate or control manually. It enables users to automate capabilities that will execute common management tasks for Linux systems, including patch and package management, security and compliance reporting, and configuration management. Further automation can be achieved using other Oracle Cloud Infrastructure services like autoscaling, as workloads need to grow or shrink to meet elastic demand.
- **Ksplice zero-downtime updates.** Oracle Ksplice is installed and enabled by default for Oracle Linux instances in Oracle Cloud Infrastructure. The Oracle Linux kernel and user space are kept up to date with all the latest critical fixes, without incurring operational costs or planned downtime.
- **Faster downloads.** Oracle Container Registry and Oracle Linux yum server are mirrored inside Oracle Cloud Infrastructure regions to enable faster downloads for Docker container images for Oracle software and the latest Oracle Linux bug fixes and security errata. Because all network traffic stays within the Oracle Cloud data centers, no Internet traffic bandwidth is consumed, and no network charges are incurred.
- **Frequent Oracle Linux image updates.** Oracle Linux images available on Oracle Cloud Infrastructure are frequently updated to help ensure access to the latest software.
- **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.

Key Business Benefits

- Autonomous and automatic management capabilities increase operational efficiency and cut costs
- Provides a highly cost-effective operating environment in Oracle Cloud Infrastructure
- Offers a highly reliable, secure, and high performance operating environment for Linux workloads
- Delivers a proven, validated, and cloud-ready operating environment for Oracle Cloud Infrastructure
- Helps developers easily and quickly onboard to Oracle Cloud
- Integrated, enhanced cloud developer platform, optimized to run in Oracle Cloud
- Provides centralized support for cloud infrastructure, operating environment, and Oracle software

Related Services

- Oracle Linux Support
- Oracle Autonomous Linux for Oracle Cloud
- Oracle Cloud Infrastructure

- **Enhanced developer experience.** Oracle Cloud developer tools such as Terraform infrastructure orchestration software, Software Development Kits (SDK), and Oracle Cloud Command Line Interfaces (CLI) are deployed faster and easier through Oracle-provided yum server RPM's, available locally in Oracle Cloud.
- **Optimized Linux development platform.** Easy access to Linux developer and preview software channels is available in the Oracle Linux yum server. Thousands of EPEL packages available under the EPEL channel are built and signed by Oracle for security and compliance. In addition, Software Collection Library support enables developers to install recent versions of Python, PHP, NodeJS, nginx, and more, without risk of disrupting applications running on different versions of these components.
- **Quick and easy launch of developer instances.** The Oracle Cloud Developer Image is an Oracle Linux 7 based, ready-to-run image that provides an out-of-the-box development platform on Oracle Cloud Infrastructure. It pre-installs and launches a comprehensive cloud development environment that includes the latest tools, a choice of popular development languages, Oracle Cloud Infrastructure SDKs, CLIs, and Oracle Database connectors.
- **Simplified cloud deployment and configuration.** Pre-installed Oracle Cloud Infrastructure utilities simplify and accelerate the deployment and configuration of Oracle Linux and KVM instances on Oracle Cloud Infrastructure.
- **NFS and Samba file system server with Oracle Linux Storage Appliance.** Quickly and easily build NFS and Samba shared storage using NVMe devices or block volumes attached to Oracle Cloud Infrastructure compute instances by using the Oracle Linux Storage Appliance.
- **Rapid deployment from Oracle Cloud Marketplace and Partner Image Catalog.** With a few clicks, it is easy to install Oracle Linux images, Oracle Linux KVM, Oracle Linux Storage Appliance, Oracle Cloud Developer Image, and other Oracle and partner software directly from the Oracle Cloud Marketplace and Partner Image Catalog from within Oracle Cloud Infrastructure.
- **Open standards, microservices-based application development.** Oracle Linux Cloud Native Environment provides tools that are fully compliant with the Cloud Native Computing Foundation (CNCF) standard and enable the development of microservices-based applications that can be deployed in environments that support open, container native specifications..
- **Extended support for Oracle Linux 5.** Oracle Linux 5 Extended Support is included in Oracle Cloud Infrastructure. Legacy Red Hat Enterprise Linux Release 5 systems can be covered under Oracle Linux 5 Extended Support until June 2020.

HIGHLY SECURE AND RELIABLE

Oracle Autonomous Linux, along with the Oracle OS Management Service, makes Oracle Linux the first and only autonomous operating environment. Autonomous management capabilities greatly reduce complexity, human error, and manual management, and help keep the operating system highly secure and reliable.

MOST COST-EFFECTIVE CLOUD OPERATING ENVIRONMENT

Oracle Linux for Oracle Cloud Infrastructure delivers the most cost-effective cloud operating environment. With a subscription to Oracle Cloud Infrastructure, Oracle Linux Support, including Oracle’s Autonomous Linux and Oracle OS Management Service, is provided at no additional cost. Oracle Linux is free to download, use, and distribute. Customers can take advantage of its best-in-

class support services and tools, and use Oracle Linux as part of a fully tested cloud infrastructure stack – all without the need to budget for operating system (OS) support fees.

Oracle Linux is 100% application binary compatible with Red Hat Enterprise Linux. This means that applications certified to run on Red Hat Enterprise Linux can run on Oracle Linux unmodified and without reinstallation. Oracle Linux binaries are provided for updating Red Hat Enterprise Linux installations. No additional support costs for Oracle Linux in Oracle Cloud Infrastructure, means that if Red Hat Enterprise Linux installations are supported with Oracle Linux updates, instant savings can be enjoyed and IBM Red Hat bills can be cut to zero.

FOR MORE INFORMATION

To learn more about Oracle Linux and Oracle Cloud Infrastructure, visit the following links:

Oracle Linux: https://www.oracle.com/linux/index.html

Oracle Autonomous Linux for Oracle Cloud:
https://www.oracle.com/cloud/compute/autonomouslinux.html

Oracle Cloud Infrastructure: https://cloud.oracle.com/cloud-infrastructure

Experience Oracle Linux today on Oracle Cloud Infrastructure with free Oracle Cloud credits:
https://cloud.oracle.com/tryit.

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Integrated Cloud Applications & Platform Services

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