

# Linux Virtual Machine



## Overview

JioCloud Linux Virtual Machine provides a secure, high-performance platform for your Linux-based workloads, delivering flexibility, and enterprise-grade assurance for diverse use cases. Choose your distribution, provision in minutes, and run secure, scalable apps - backed by long-term support and compliance-ready controls. Whether you are building microservices, hosting secure databases, or running AI/ML operations, our Linux VMs help you do more with less work and more control.

## Key Features

- Your choice of distribution**  
Run Ubuntu (fully open-source) or Red Hat Enterprise Linux (RHEL) with enterprise support - based on your needs.
- Built-in security**  
Includes SELinux or AppArmor, host firewalls, and regular security patches for a hardened runtime environment.
- Long-term support**  
Get predictable updates and multi-year support lifecycles, including LTS releases for Ubuntu and extended support with RHEL.
- Optimized for cloud**  
Pre-built cloud images for quick launch, ready to scale across virtual machines, containers, and orchestration platforms.
- Compliance-ready**  
Ubuntu images are hardened to CIS benchmarks and aligned with best practices for regulated industries.

# Benefits

- **Enterprise-grade security**

Protect your workloads with hardened images, built-in controls, and vulnerability management aligned with compliance needs.

- **Stability without lock-in**

Run your Linux apps with predictable long-term support - with the freedom to switch between open-source and subscription models.

- **DevOps-ready flexibility**

Use the same OS across development, staging, and production - optimized for automation, CI/CD, and container platforms.

- **Cost control, your way**

Scale resources as needed, while choosing between free or subscription models based on your budget and support needs.

- **Works across use cases**

From data pipelines to internal apps, from edge compute to AI training - your Linux stack runs reliably and securely.

## Use Cases

- **Secure web and database hosting**

Run apps on Apache/Nginx with PostgreSQL or MySQL - encrypted, stable, and scalable.

- **Cloud-native development**

Spin up container hosts and DevOps toolchains - from Docker to Kubernetes - on your Linux VM.

- **Data science and ML**

Deploy AI/ML workflows using open-source frameworks on powerful Linux machines.

- **High-performance app servers**

Serve enterprise APIs, ERP systems, or streaming platforms with Linux VMs tuned for throughput.