



Why Choose Wind River Cloud Platform?

BUILT FOR TODAY'S INFRASTRUCTURE CHALLENGES

Enterprise IT teams are rethinking how they operate workloads across private, hybrid, and edge environments. Rising cloud costs, rigid licensing, operational complexity, and vendor lock-in are prompting organizations to seek more flexible, efficient, and scalable solutions.

Wind River® Cloud Platform provides a better way. It's an enterprise-grade, commercially supported solution based on open source technologies such as StarlingX, OpenStack, and Kubernetes — and it's proven in some of the world's largest and most mission-critical cloud deployments.

KEY ADVANTAGES

Lower Total Cost of Ownership

- Simplified node-based licensing — there's no complex virtual machine (VM) or core count pricing.
- A compact footprint reduces hardware requirements and capital expenditures (CapEx).
- Efficient platform core usage (1–2 CPU cores/node) increases workload density and lowers energy consumption.

Unified Workload Management

- Manage VMs and containers on a single platform.
- Support any workload — legacy, cloud-native, or mixed — with high performance and scalability.
- Discover an ideal solution for private, hybrid, and edge environments.

Streamlined Operations and Automated Lifecycle Management

- Automated Day 0–Day 2 operations with built-in orchestration tools
- Self-healing capabilities for networking and infrastructure
- Remote deployment and management via a centralized controller
- Fewer manual steps and reduced human error for lower operating expenses (OpEx)

Freedom from Vendor Lock-In

- Built on open source technology, fully supported by Wind River
- Commercial-grade support without the limitations of proprietary stacks
- The flexibility to develop your infrastructure on your terms

Mission-Critical Reliability at Scale

- Delivers up to six-nines (99.9999%) uptime, equating to less than 32 seconds of downtime per year
- Proven in large-scale deployments (for example, 50,000+ nodes with zero outages)
- Real-time performance and carrier-grade features including SR-IOV, DPDK, and TSN

Built-in Security and Compliance

- End-to-end security: Secure boot, RBAC, encrypted communications, and vulnerability management
- Designed to meet stringent compliance standards, including NEBS and PCI DSS

DEPLOY WIND RIVER CLOUD PLATFORM FOR:



ANY WORKLOAD



ANY SITE



ANY SCALE

WIND RIVER CLOUD PLATFORM HELPS YOU

1.

Reduce costs and complexity

2.

Avoid vendor lock-in

3.

Manage both VMs and containers

4.

Operate reliably at the edge

5.

Scale across your enterprise infrastructure

WHAT OUR CUSTOMERS ACHIEVE

50%+ lower operational costs through automation and lifecycle integration

Significant reduction in energy and hardware costs due to efficient platform overhead

Zero-outage operations at edge and data center scale

Future-proof architecture ready for AI/ML, automation, and evolving workloads

READY TO MODERNIZE?

Wind River is helping enterprises, telcos, and global operators redefine what's possible in private cloud and distributed infrastructure.

PLATFORM COMPONENTS

Cloud Platform Fabric
Runs core services on commercial hardware

Container Manager
Provides full Kubernetes orchestration

OpenStack Manager
Manages VMs

Lifecycle Automation
Centralizes automation and management of nodes and workloads

Distributed Analytics Engine
Provides real-time insights across all nodes and sites



Learn More About Wind River Cloud Platform

windriver.com/studio/edge-cloud/distributed-edge-cloud

Wind River is a global leader of software for mission-critical intelligent systems. For 40 years, the company has been an innovator and pioneer, powering billions of devices and systems that require the highest levels of security, safety, and reliability. Wind River offers a comprehensive portfolio of software and expertise that are accelerating digital transformation across industries.

© 2025 Wind River Systems, Inc. The Wind River logo is a trademark of Wind River Systems, Inc., and Wind River and VxWorks are registered trademarks of Wind River Systems, Inc. Rev. 06/2025