



Black Box and Wind River Solution Brief

Modernizing Distributed Compute with Black Box and Wind River: Private Cloud for Core-to-Edge Infrastructure as a VMware Alternative

VMware licensing changes and rising operational complexity are forcing enterprises to reconsider distributed infrastructure, particularly where IT manages legacy virtual machines and container workloads across locations. Black Box® and Wind River deliver a migration path to private cloud that reduces VMware dependence, standardizes operations from core to edge, and positions infrastructure for next-generation applications.

Why This Matters Now

Enterprises must modernize infrastructure while containing costs, avoiding lock-in, and meeting higher demands for uptime, security, and compliance across distributed operations. The pressure is greatest at organizations with large site footprints, strict SLAs, and mixed IT/OT environments, where the public cloud cannot satisfy data residency, latency, or local autonomy requirements.

IT leaders need a migration path that lets them deploy private cloud along with the existing VMware environments and transition workloads on their own schedule, without another disruptive rip-and-replace.

The Joint Solution: Private Cloud for Core-to-Edge Infrastructure

Wind River — Provides the foundation for modern private cloud and intelligent edge environments. Wind River Cloud Platform enables highly available, mission-critical infrastructure that supports containerized, virtualized, cloud-native, and AI workloads across core data centers and distributed edge locations.



Black Box — Delivers end-to-end design, integration, deployment, and lifecycle services to bring private cloud environments to life. With expertise spanning networking, cybersecurity, IT/OT convergence, and digital infrastructure, Black Box helps organizations deploy, manage, and optimize distributed environments backed by 24x7 global managed services.

Together

- Modernize distributed infrastructure with confidence
- Extend private cloud from core data centers to the edge
- Simplify multi-site deployment and lifecycle management
- Support existing and cloud-native applications side by side
- Improve resilience, security, and regulatory compliance

Serving
organizations
across



Manufacturing



Transportation



Healthcare



Retail



Financial Services

Customer Challenges

Enterprises facing VMware transitions and distributed growth encounter:

- VMware licensing and support costs that erode infrastructure economics.
- Vendor lock-in that limits flexibility for modern architectures and hybrid strategies.
- Operational complexity across distributed sites, branches, plants, stores, or edge locations.
- Inconsistent management of VM-based and container-based workloads across a unified operating model.
- Pressure to improve resiliency, security, compliance, and lifecycle management without expanding operational overhead.

VMware Alternative: A Strategic Modernization Path

Wind River Cloud Platform reduces VMware licensing burden, simplifies management, and preserves vendor flexibility across vendors and locations. The solution fits best where organizations require a reduced footprint, deployment flexibility, and a platform consistent across core data centers and edge environments — while also supporting data-intensive and latency-sensitive workloads.

This becomes a modernization path that enables customers to:

- Deploy private cloud infrastructure with existing VMware environments.
- Migrate VMs and services to Wind River-based infrastructure as priorities evolve.
- Maintain performance, reliability, and operational control throughout transition.

Private Cloud for Distributed Environments

The joint Black Box and Wind River solution provides an on-premises platform optimized for cost efficiency, predictable performance, high availability, and multi-site scalability. A unified operating model supports containers and virtual machines, enabling phased modernization aligned with application roadmaps.

This approach becomes relevant when:

- Data must stay local to meet residency or sovereignty requirements.
- Latency-sensitive workloads require processing close to the data source.
- Uptime, safety, and compliance requirements favor distributed private cloud.
- A consistent cloud operating model is needed across core and edge environments.

Better Together: Business Outcomes You Can Expect

With the Black Box and Wind River partnership, customers can gain value across four key areas.

- ✓ **Lower total cost of ownership**
Replacing VMware dependency with Wind River infrastructure reduces licensing and support costs while improving resource utilization across distributed sites.
- ✓ **Higher operational consistency**
A unified platform from core to edge enables centralized management of VM and container workloads, with standardized operations across sites.
- ✓ **Trusted, faster deployment and lower risk**
Black Box solution design, integration, and managed services compress rollout timelines and reduce transition risk in complex, multi-site environments.
- ✓ **Mission-critical performance and compliance**
Wind River Cloud Platform is engineered for high availability, resiliency, and compliance across IT and OT environments.

Schedule a VMware Modernization Assessment

Evaluate your virtualization environment, identify modernization opportunities, and receive a phased roadmap for private cloud adoption.

Black Box® delivers high-performance infrastructure that keeps enterprises connected, secure, and prepared for what's next. From data centers to global networks and modern workplaces, we build the foundation for perpetual innovation.