Everpure

The Data Foundation for Modern Infrastructure

Cristian Stan
Cloud Native Architect

Priorities Driving CIO Agendas



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Enterprises Don’t Want Separate Platforms



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Market trends shaping Kubernetes adoption.

The platform is ready. The data layer is not.

Plan to modernize and/or migrate VMs to Kubernetes

74%

Run databases on Kubernetes, the #1 workload four years running

66%

Now run AI/ML workloads on Kubernetes, up sharply

44%

Cite storage as their #1 AI cost concern, ahead of GPUs

50%

Now view Data on Kubernetes as foundational or a competitive advantage

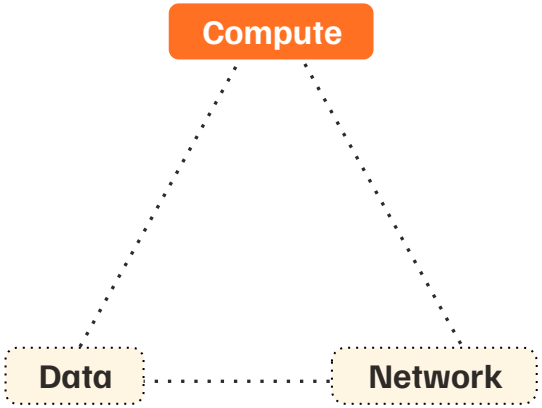
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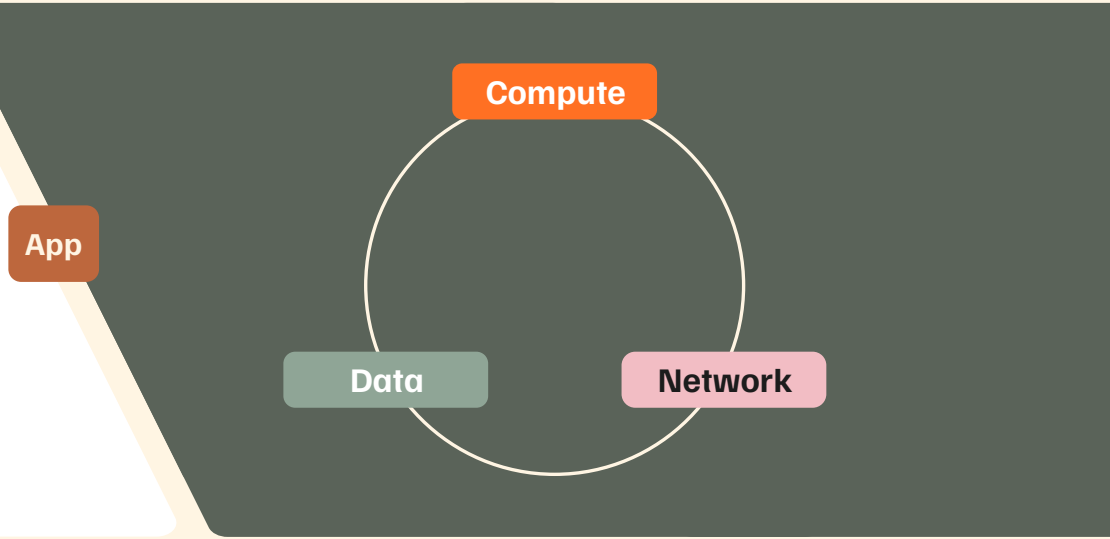
Red Hat as likely K8s platform for VMs

81%

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Customers think they're *only* making a compute decision





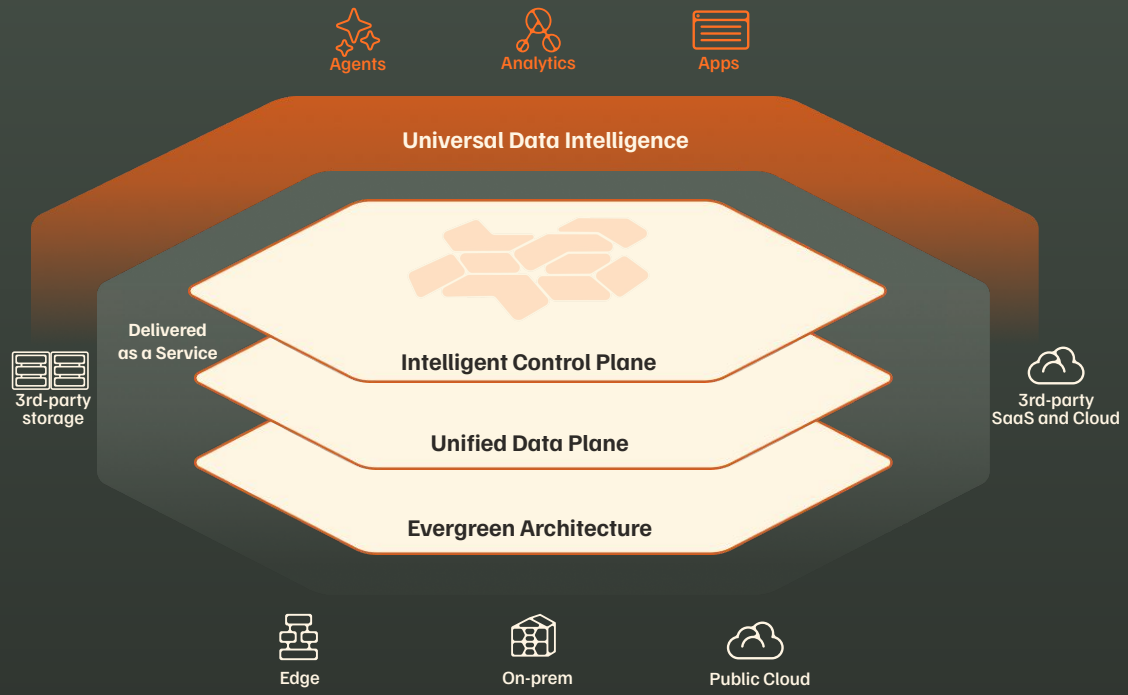
In practice, they *also* need to make a data architecture decision

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Modern applications & AI are orchestrated flows of data.

The durable design decision is not the compute layer alone. **It is the data architecture beneath it.**

Portworx Extends the Everpure Enterprise Data Cloud to Kubernetes



- Fusion Automation
- Portworx and FlashArray Integration
- Unified Storage Infrastructure
- Integrated Kubernetes-native Data Management

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Delivering the full enterprise stack on Red Hat OpenShift



Modern Virtualization

Virtual machine alternative with Red Hat OpenShift Virtualization

Everpure and Portworx bring critical storage capabilities for enterprise virtualization solutions with Red Hat.



Application Modernization

Self-service access to storage for apps running on Red Hat OpenShift

Portworx and OpenShift deliver a solution to automate, protect, and unify Kubernetes applications and data.



Artificial Intelligence (AI)

AI Data Management and Performance aligned with Red Hat OpenShift and Red Hat AI

Everpure and Portworx pave the way to enterprise AI on OpenShift

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CSI plug-ins start the journey, but don’t finish it…

> CSI drivers haven’t kept up with the innovations in the Kubernetes space and they're definitely **pinning the customers to the hardware** implementations.
>
> *— Blue Cross Blue Shield of Alabama*

Create Data Silos and Fragmentation



Require Manual Ops with Inconsistent Capabilities



Lead to Complex Security & Compliance



Cause Upgrade & Migration Disruption



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Present this or slide 9 (not both)

Common Architecture Shortfalls for CSI

The Shortfall	The Challenge	Triggers	Warning Signs	The Mitigation Plan
Treating all CSI drivers as equal	Feature sets (block vs file, snapshot semantics, topology, cloning, plugin maturity) vary	Most enterprises are, or become mixed storage environments over time	Missing snapshot support, failed live-migration, unexplained volume attach errors	Create a short vendor/ driver checklist and TEST
Ignoring performance tests	Real workloads (VMs, DBs) have different I/O patterns — synthetic defaults can wildly under/over-estimate results	Workloads change or new teams and apps get added to platforms	High tail latency under load, noisy-neighbor IO spikes, CPU stalls in VMs	Run benchmarks, measure throughput, IOPS, and 99th/99.9th percentile latency. Test at expected scale
No backup/ failover plan	Replication isn't a backup; edge cases (corruption, accidental deletion) need point-in-time recovery. VMs need consistent backups/app-level quiesce	Consistent DR services needed across hybrid/ multi-cloud infra	No tested restore procedure, unclear RTO/ RPO, manual recovery steps, inability to restore VM to a prior point	Define RTO/RPO, implement tested snapshot + off-cluster backup workflow, automate restores, practice runbooks regularly
Running outdated drivers	Older drivers miss fixes for attach/mount races, security patches, compatibility with newer K8s versions, leading to instability and data risk	Common Day 2 ops like update and upgrade cycles	Driver crashes, CSI sidecar restarts, incompatibility warnings during K8s upgrades, open CVEs	Adopt a driver lifecycle policy: pin versions in manifests, run a canary cluster for upgrades, subscribe to vendor/security advisories, automate upgrades where feasible after smoke tests

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Extending advanced capabilities beyond CSI spec

Enterprise-grade kubernetes data management capabilities and support

Portworx Enterprise

- App Aware, Granular Backup & Restore
- Namespace scoped Security
- App Aware Disaster Recovery
- Live Workload & Storage Mobility
- Hybrid and Multi Cloud
- Heterogeneous Storage
- Edge Device

Portworx CSI

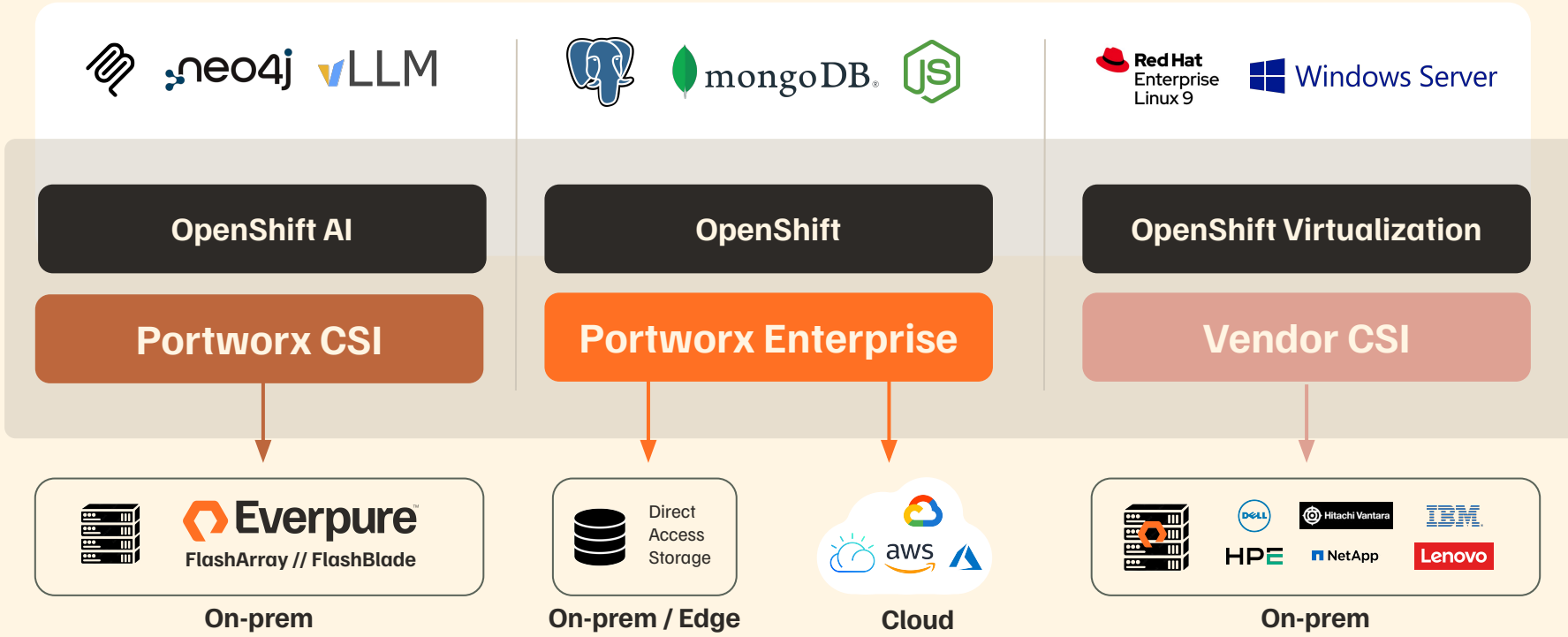
- One CSI for all Everpure storage
- FA/FB Direct Access
- Unified block + file
- Array-native snapshots and clones

Everpure Storage Platform

- FlashArray
- FlashBlade
- Everpure Cloud

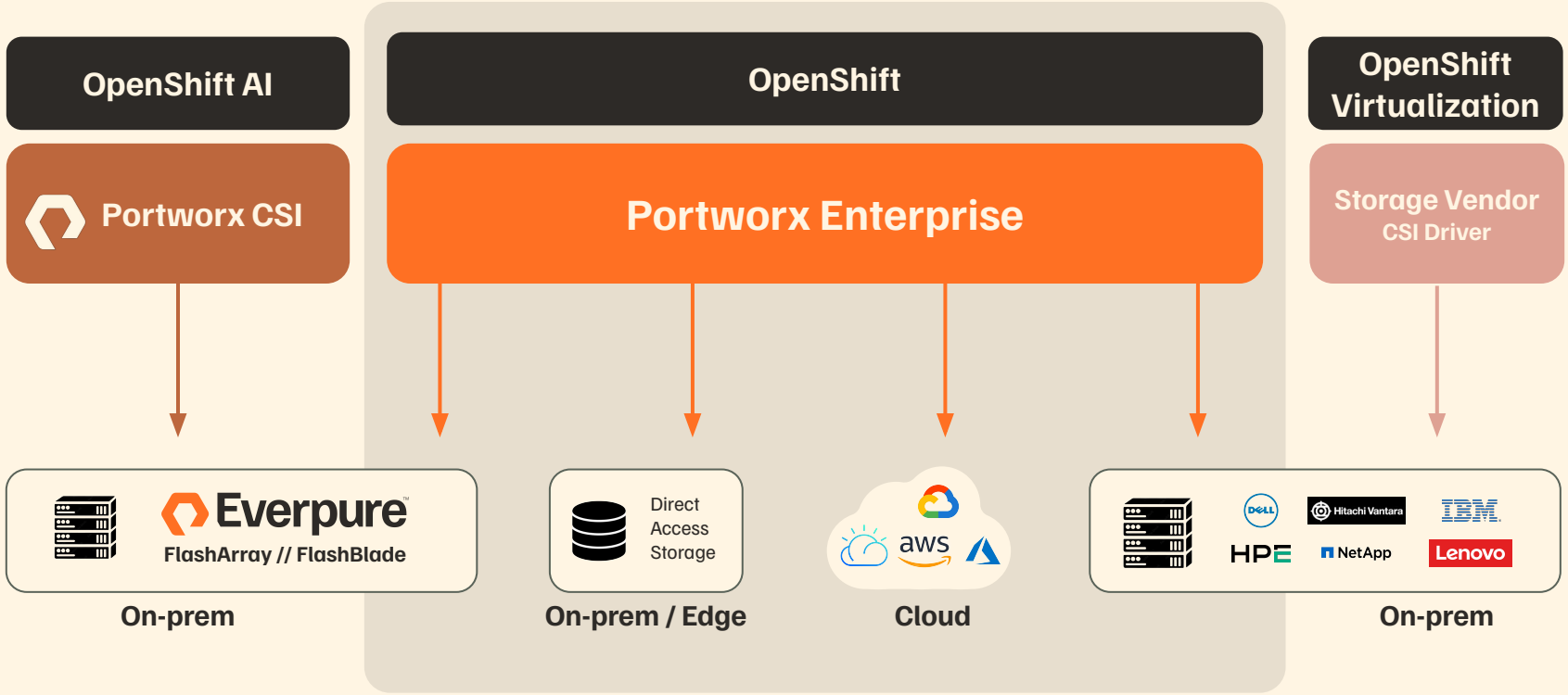
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Most enterprises are not single vendor environments



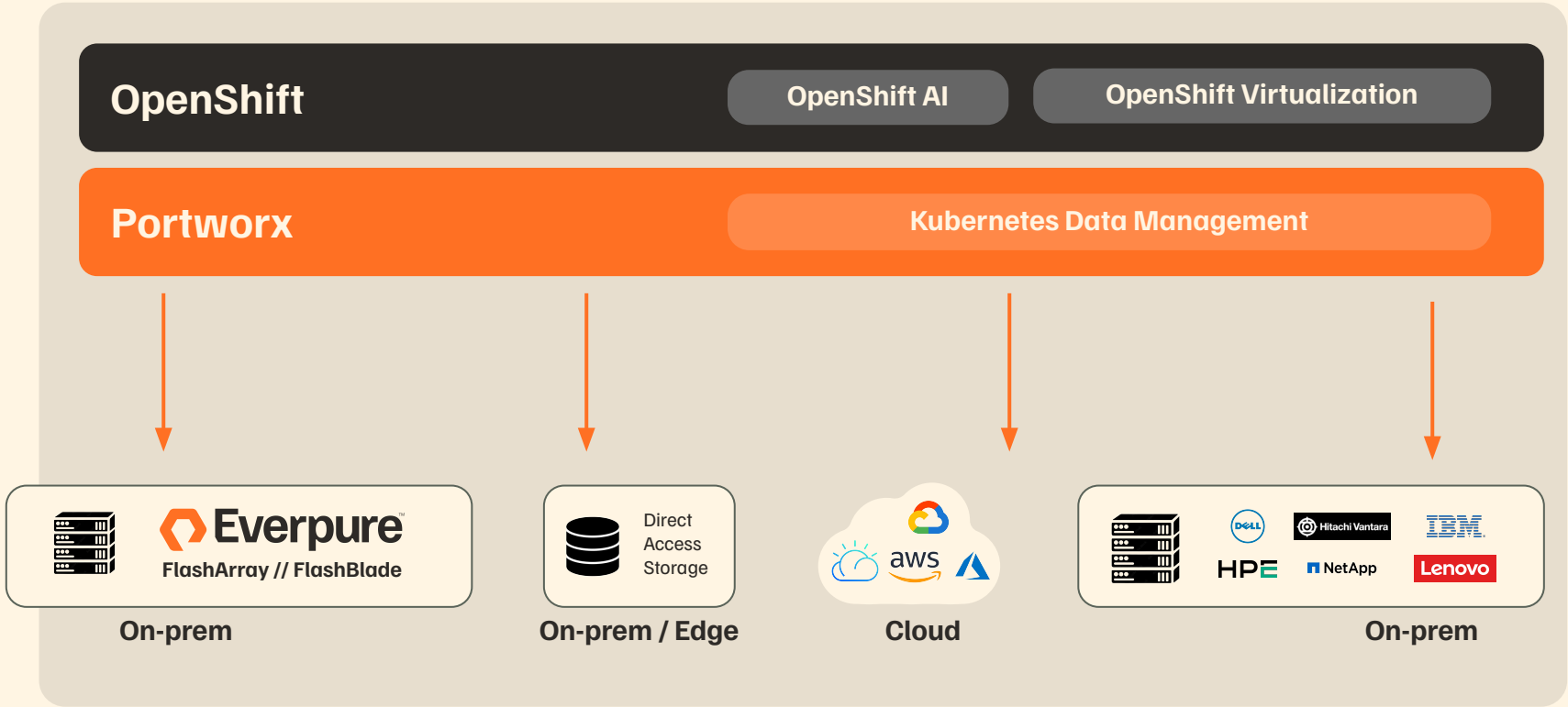
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You need a single data control plane across your entire application estate



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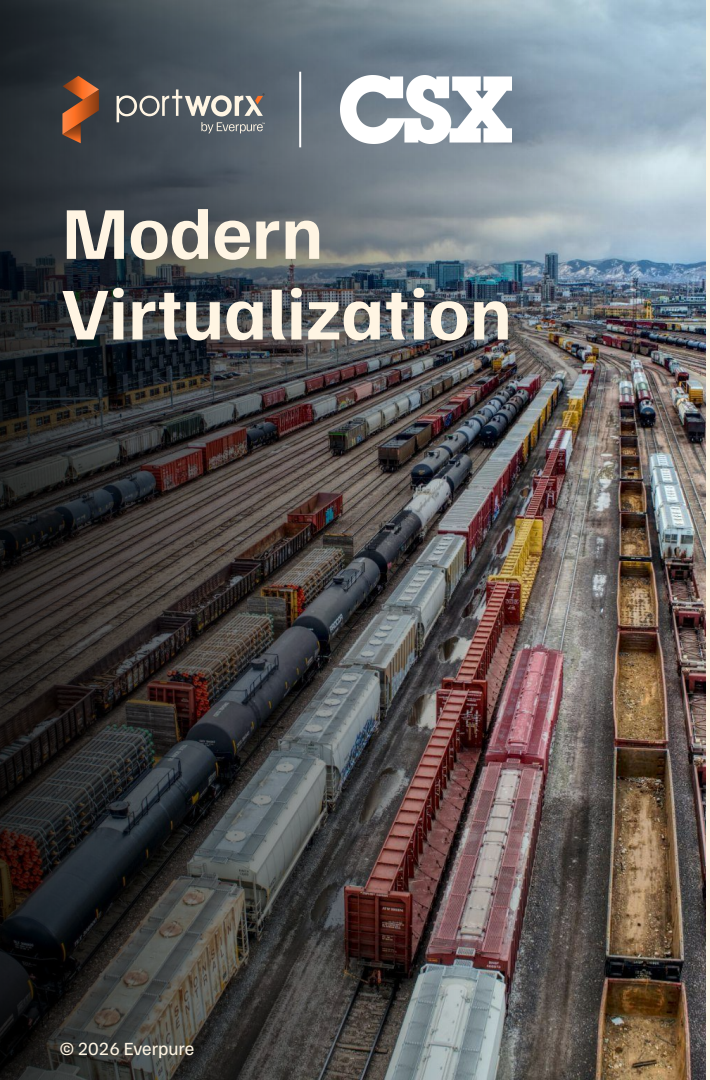
Portworx & Red Hat OpenShift deliver an integrated platform for managing VMs, containerized apps, & AI workloads



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portworx by Everpure | CSX

Modern Virtualization



Customer Challenge

Tier 0 rail, where failure is not an option. CSX moved VMs to OpenShift to avoid lock-in, but needed resilient, high-performance data services across hybrid environments.

Portworx & Red Hat Solution

VMs and containers on OpenShift, across data center and cloud. Portworx adds the data layer beneath, with the resilience and speed Tier 0 demands.

Customer Outcomes

A two-person team runs the data behind 400+ apps on one platform. CSX modernizes on its own timeline, VMs to containers, without adding tools or teams.

> **We did a proof of concept to prove we could quickly build a VM from scratch and migrate a live VM from host to host... We chose [Everpure] and Portworx because it was the fastest."**

Eric Grabill
Lead Senior Product Manager of IT, CSX

Red Hat OpenShift

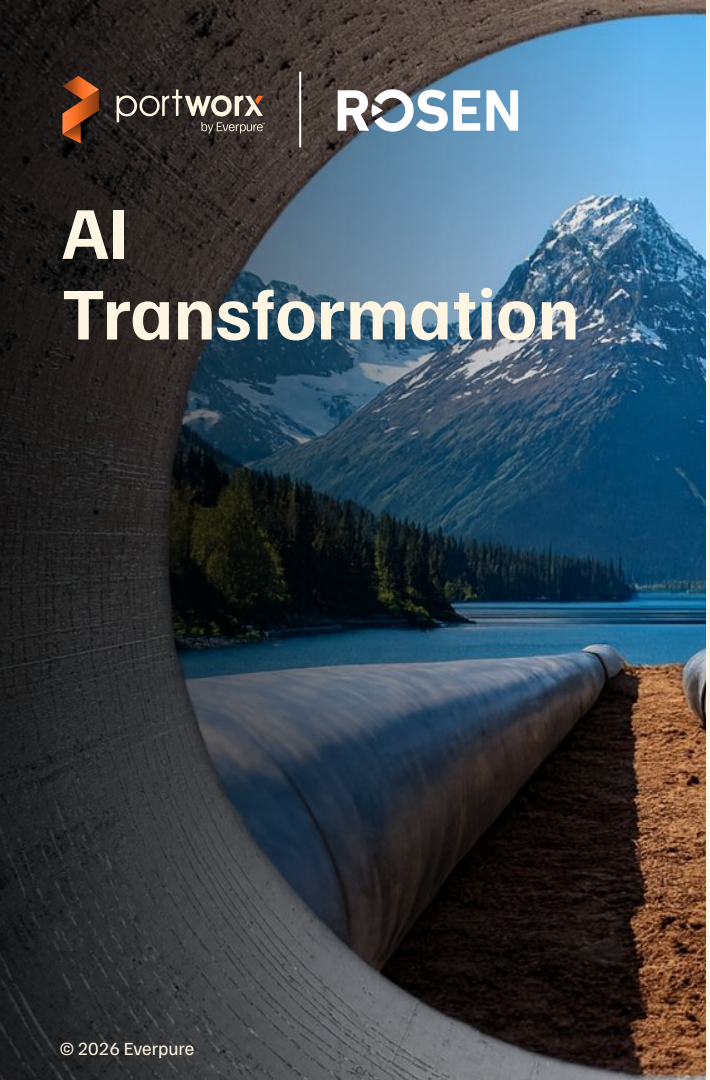
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portworx by Everpure | ROSEN

AI Transformation



Customer Challenge

ROSEN inspects the world's pipelines: 10+ PB of data, growing 1 PB a year. Manual review of 1,000+ variables per inspection couldn't scale. They needed an AI-ready platform.

Portworx & Red Hat Solution

An AI and ML platform on OpenShift with Kubeflow. Portworx delivers the automated data layer beneath, feeding models petabyte-scale data across clouds.

Customer Outcomes

99% runs as automated code, cutting analysis time 70%. ML narrows 1,000 variables to 100, letting customers safely run pipelines up to 5 years longer.

With our AI platform, powered by Pure Storage, we've achieved a 70% reduction in the time it takes to deliver analyses to customers. This helps our customers make quicker data-driven decisions, while allowing us to complete more pipeline inspections each year."

Thorsten de Vos
IT Service Architect
ROSEN Group

Red Hat OpenShift

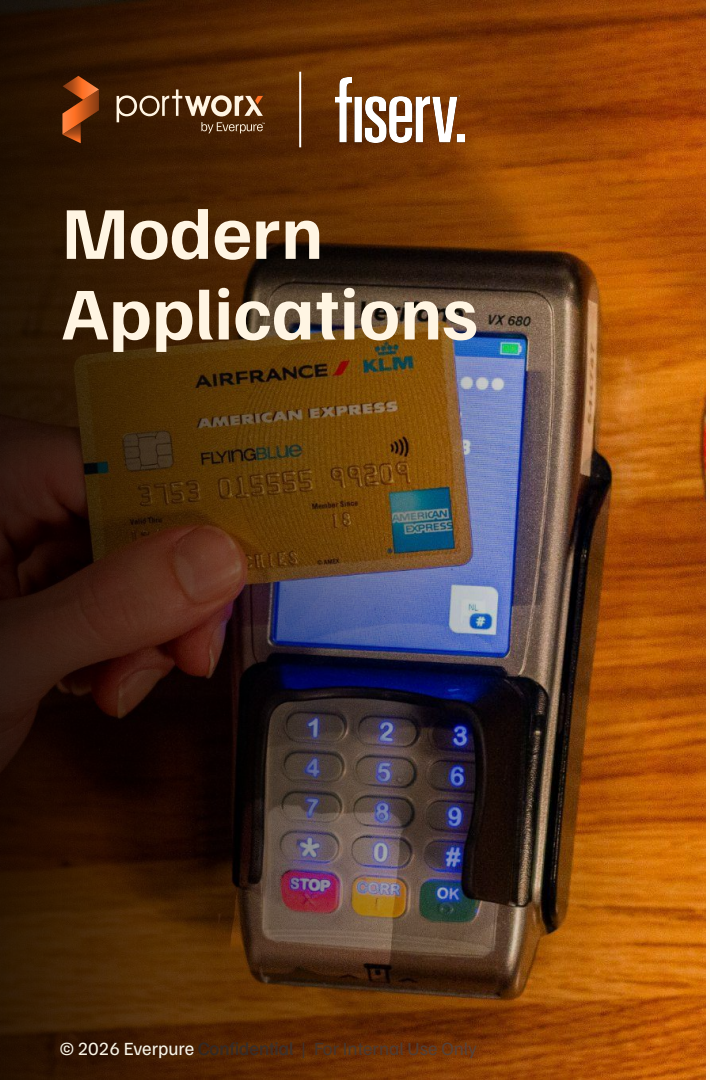
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portworx by Everpure | fiserv.

Modern Applications



Customer Challenge

Fiserv powers real-time payments for thousands of financial institutions. Legacy infrastructure bottlenecked and couldn't scale under strict regulation, pushing Fiserv to modernize.

Portworx & Red Hat Solution

Modern apps on OpenShift with Portworx by Everpure as the Kubernetes-native data layer: automation, high availability, disaster recovery, and self-service across on-prem and cloud.

Customer Outcomes

Developers self-serve their own data, shipping multiple deployments a week. Fiserv runs a resilient payments platform scaling from 1,000 to 2,000 nodes across hybrid and multi-cloud.

> **The impacts of the business are clearly reliable software deployments,where we're deploying more features...this allows developers to get towards multiple deployments perhaps per month, per week."**

John Durko
Director of IT - Container Services
Fiserv

Red Hat OpenShift

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Placeholder headline

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(then send to back)

Please use this template if you want to create a local / GEO specific reference (public or anonymized)

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Portworx & Red Hat Solution

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Customer Outcomes

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Quote goes here”

Name
Title

Red Hat OpenShift

ARO | AKS

Better Together: Everpure + Red Hat Delivering Customer Results

350+

Joint customers running, VMs, Containerized Apps, & AI Workloads

38%

Lower total cost of ownership across the virtualization estate*

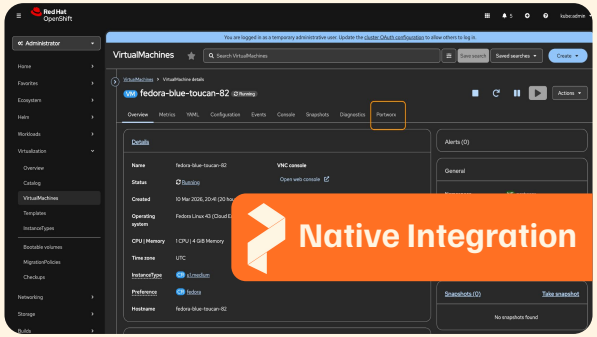
90%

Faster provisioning: From 5–10 days to under 2 hours*

68%

Faster application delivery Container & VM workloads on one platform*





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*Representative customer outcome

Everpure

Thank you.