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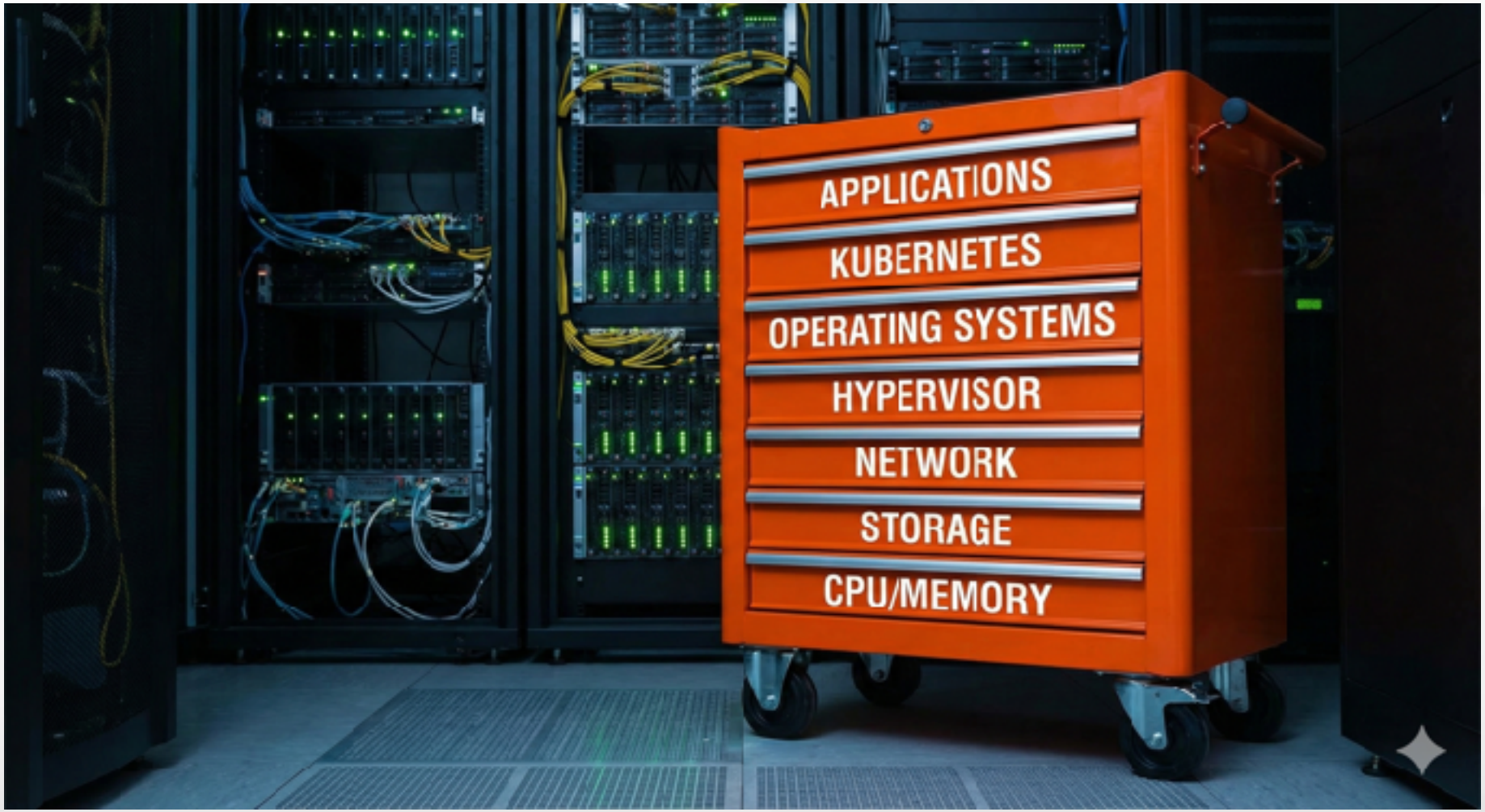
What does your toolbox look like?



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Rancher Government （SUSE RGS）

- Rancher Government is a 100% US-based entity dedicated to delivering Kubernetes and Cloud Native Technology solutions and support across the DoD, IC, and Federal community
- Rancher Government offers varying levels of service including US-State Side Support and cleared on-site support
- Rancher Government exists to enhance Rancher's capabilities to meet the ever evolving Federal mission requirements
  - **PKI Authentication**
  - **SELinux/FIPS Compliance**
  - **STIG/CIS Hardening**
  - **Enterprise Audit Functionality**
  - **Air-Gapped, C2S, SC2S, GovCloud Support**
  - **Automated Upstream Image Vulnerability Scanning**

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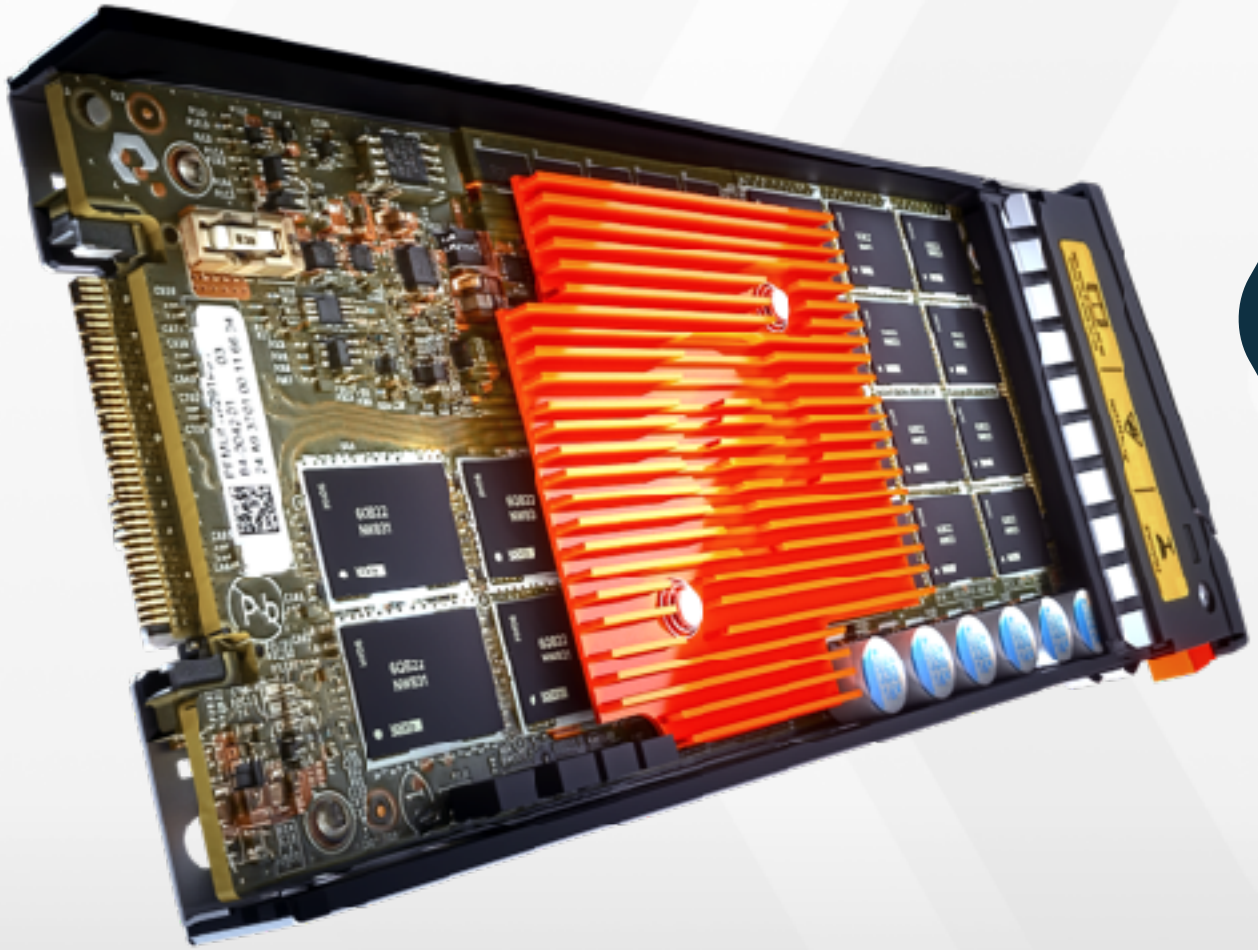
Direct Flash Module (DFM)

QLC & TLC



150TB

QLC and 72TB TLC DFMs

Future capacities!
QLC; **300TB** by 2026!
TLC; 144TB, /w NVRAM on DFMs

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Demo

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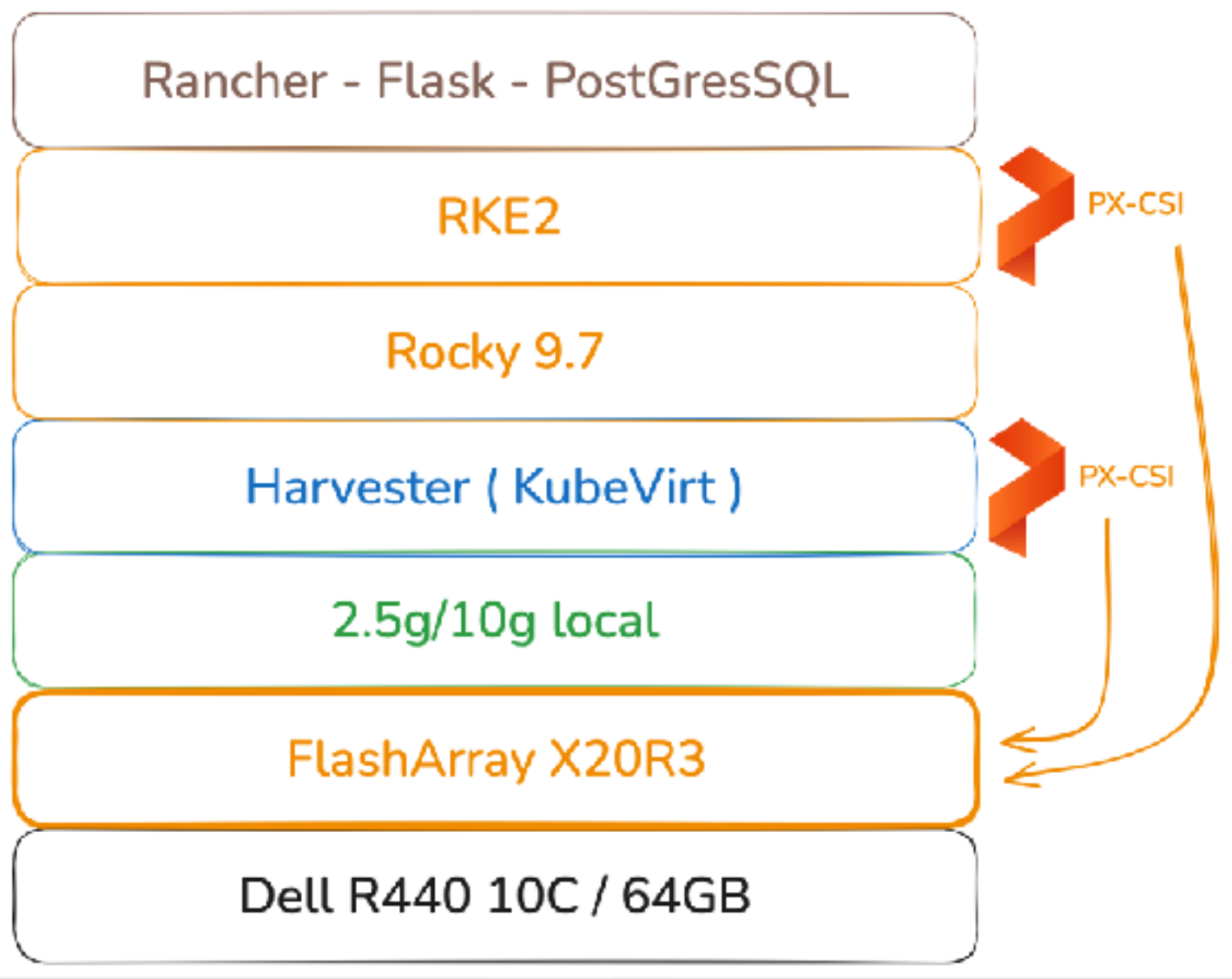
What did we see?



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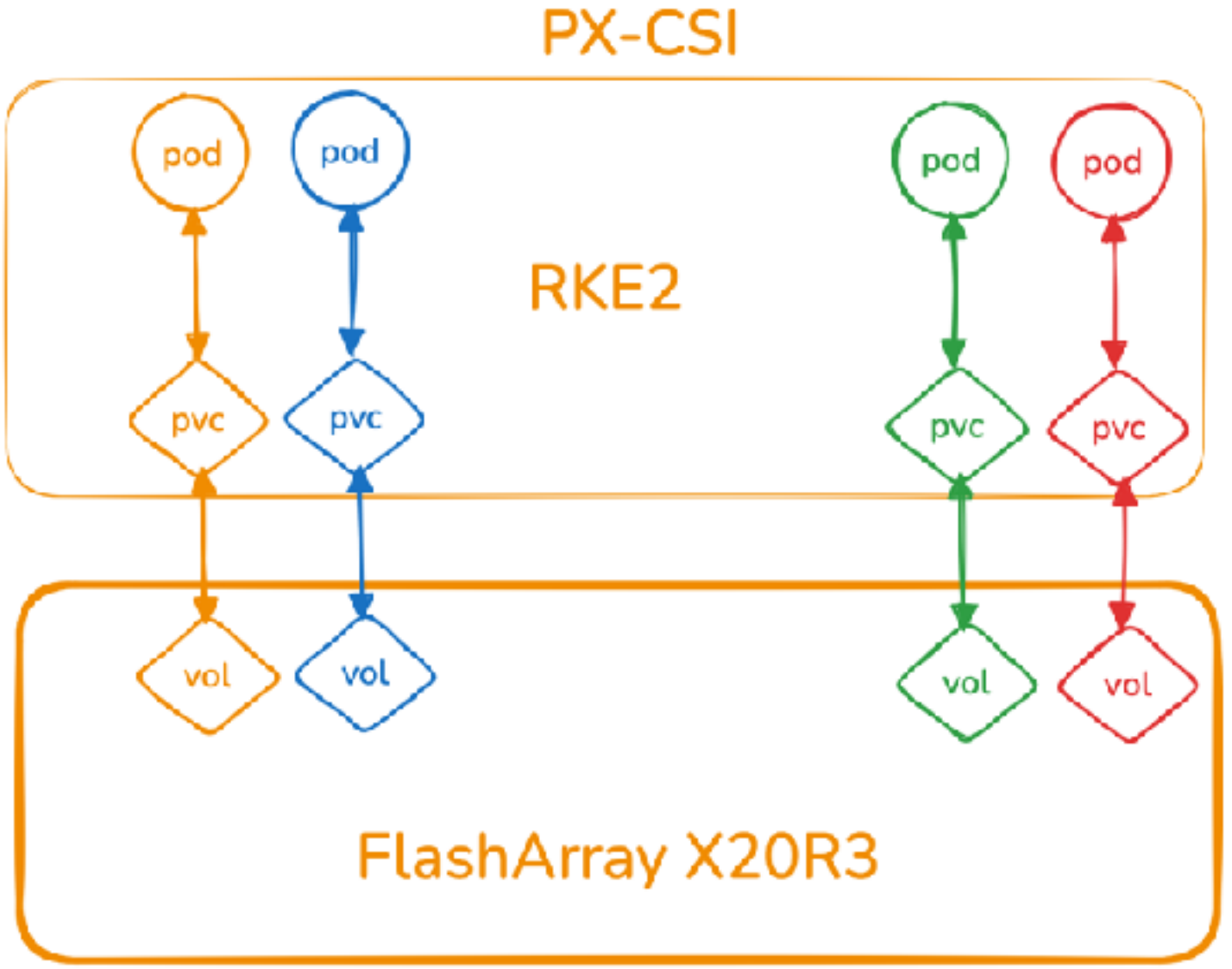
Logical View:



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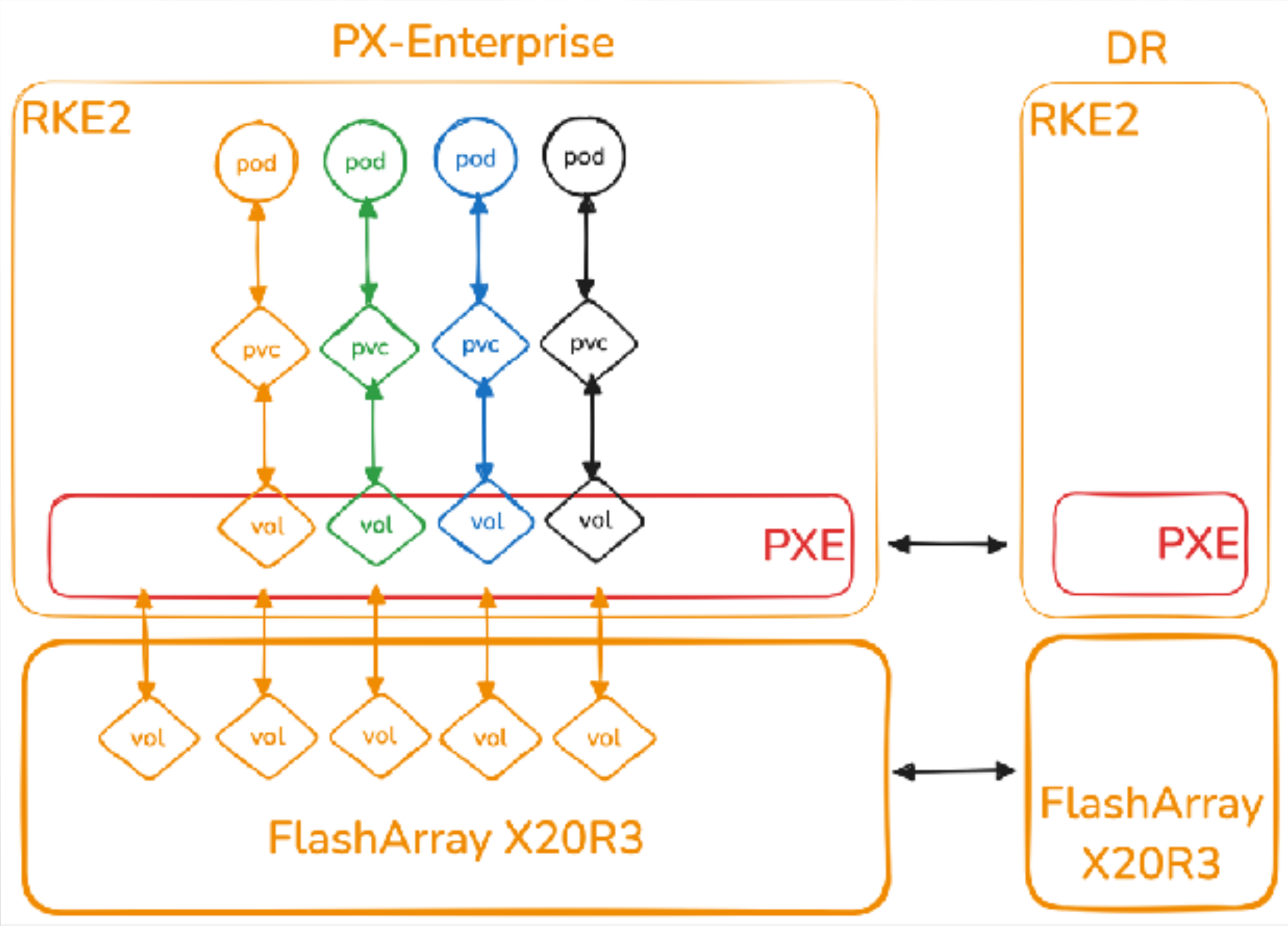
PX - Enterprise Logical View:



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PX Versions

Feature	Portworx Enterprise (PX-E)	Portworx CSI (PX-CSI)
Primary Use Case	Databases, Stateful Apps, AI/ML Workloads	Ultra-low-latency workloads
High Availability (HA)	✅ Built-in with replication across nodes	❌ Application must handle HA
Disaster Recovery (DR)	✅ Supports Sync & Async DR	❌ No built-in DR
Performance Optimization	✅ High performance with PX-Fast	✅ Optimized for ultra-low latency
Automated Scaling	✅ PX-Autopilot for dynamic scaling	❌ Requires manual intervention
Storage Management	✅ Automated with multi-cloud support	✅ Lightweight CSI implementation
Best For	Business-critical apps, multi-cloud, hybrid environments	Performance-first workloads with minimal redundancy

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What does the future hold?

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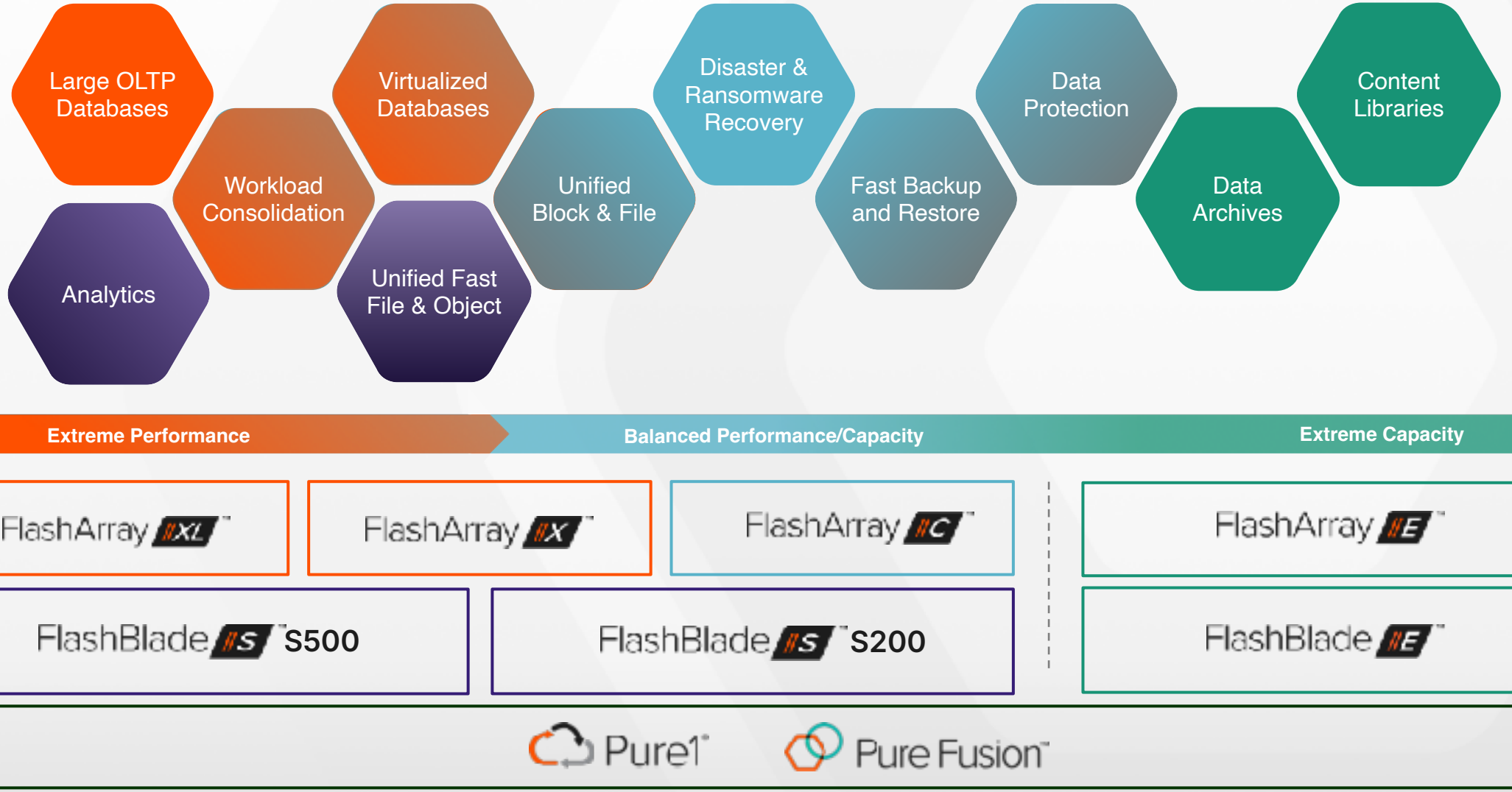
Building Your Enterprise Data Cloud



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