

Solution Overview

Accelerating Private Cloud Deployments

Key Benefits

- Scale Container environments to new levels
- Increase operational flexibility
- Improve Performance of Containerized Applications
- Deliver more container density per rack
- Reduce costs by transforming infrastructure

Pavilion Overview

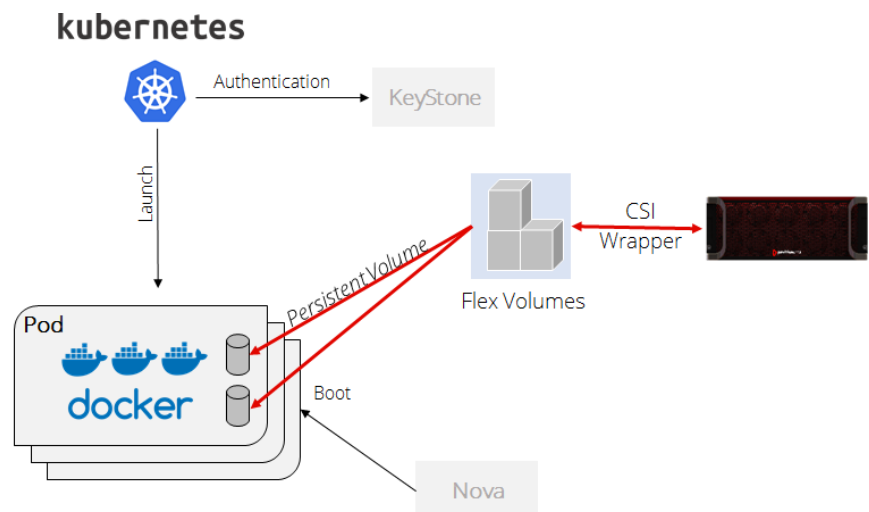
- Fastest block storage for flexible private cloud deployments
- Latency of direct-attached SSDs
- Up to 920 TB in 4U
- Frictionless deployment
- Data resiliency & high availability
- Space-efficient instant snapshots and clones
- Thin provisioning
- Pay-As-You Grow scalability
- Expand for capacity or performance, independently
- Increase storage utilization up to 10X or more

Leverage Pavilion Storage to Deliver a Scalable Containers-as-a-Service (CaaS) Platform

- Improve the performance of a wide range of containerized applications, such as micro-services, containerized databases, payment services, etc.
- Independently scale compute and storage using a Pavilion array as centralized rack scale storage for Kubernetes Clusters
- Deploy more containers per rack with flexible and dynamic storage volume assignment
- Flexible, pluggable, high-performance storage platform that easily integrates into the DevOps management and operational environment
- Data Management services allow for new levels of operational efficiency
- Speed up go-to-market by enabling rapid development and QA cycles

Simple Integration

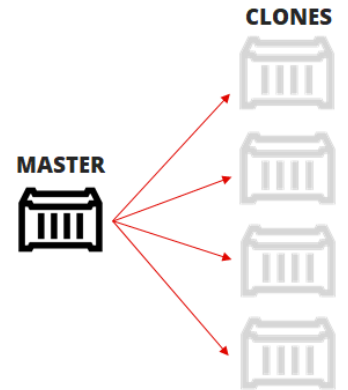
- Easily integrate into Infrastructure-as-Code deployments
- Enable DevOps Container Infrastructure and Deployment (CI/CD) using REST APIs
- Rapid provisioning of Persistent Volumes to your Kubernetes infrastructure



Pavilion Native Integration into Kubernetes Environments

Operational Benefits

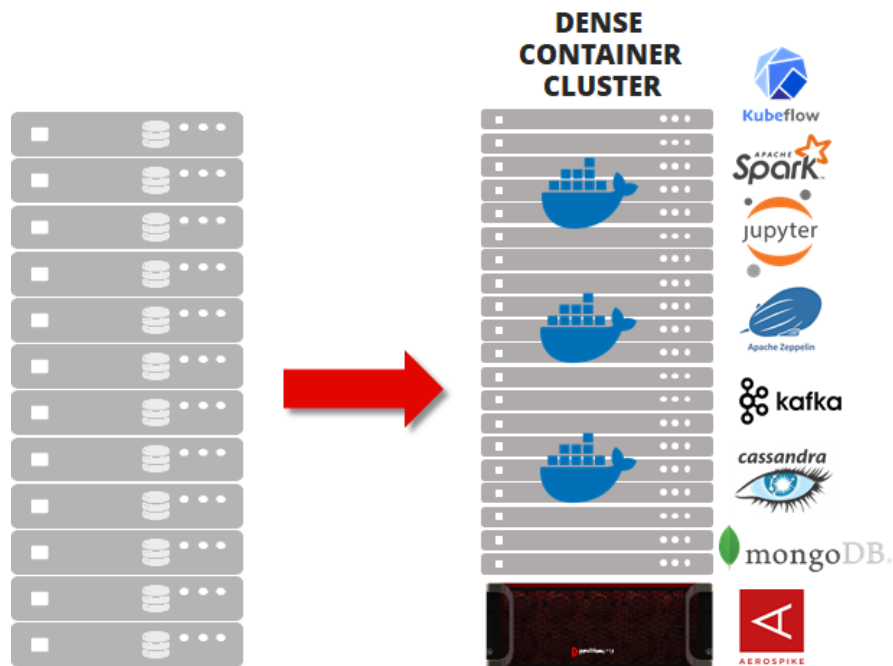
- Pavilion instant, full-speed, zero-space Snapshots and Clones can be used to create additional containers
- Accelerate go-to-market by rapidly deploying copies of containers to QA and other stakeholders
- Snapshots and Clones can be presented to any connected host and are not restricted to where the master volume is being used
- Reduce management complexity by moving storage to a shared appliance where the storage pool can be centrally managed.
- Isolate data backup and snapshot management. Create zero-space instant backups of entire volumes
- Manage the Pavilion Array through a UI interface, and/or supported by REST API, including an OpenStack plugin.



Create Instant High-Speed Copies of Container Volumes

Infrastructure Benefits

- Simplify the environment by leveraging a single, high-speed storage platform for delivering Containers-as-a-Service (CaaS)
- Deploy 'storage-less' 1U servers to deliver more container density per rack
- Save cost in several areas including hardware acquisition, rack space, power and cooling
- Pavilion's Thin Provisioning support allows for less raw flash capacity to be installed
- Transition to Infrastructure 3.0



Deliver Containers-As-A-Service using Less Footprint and Move to Infrastructure 3.0