

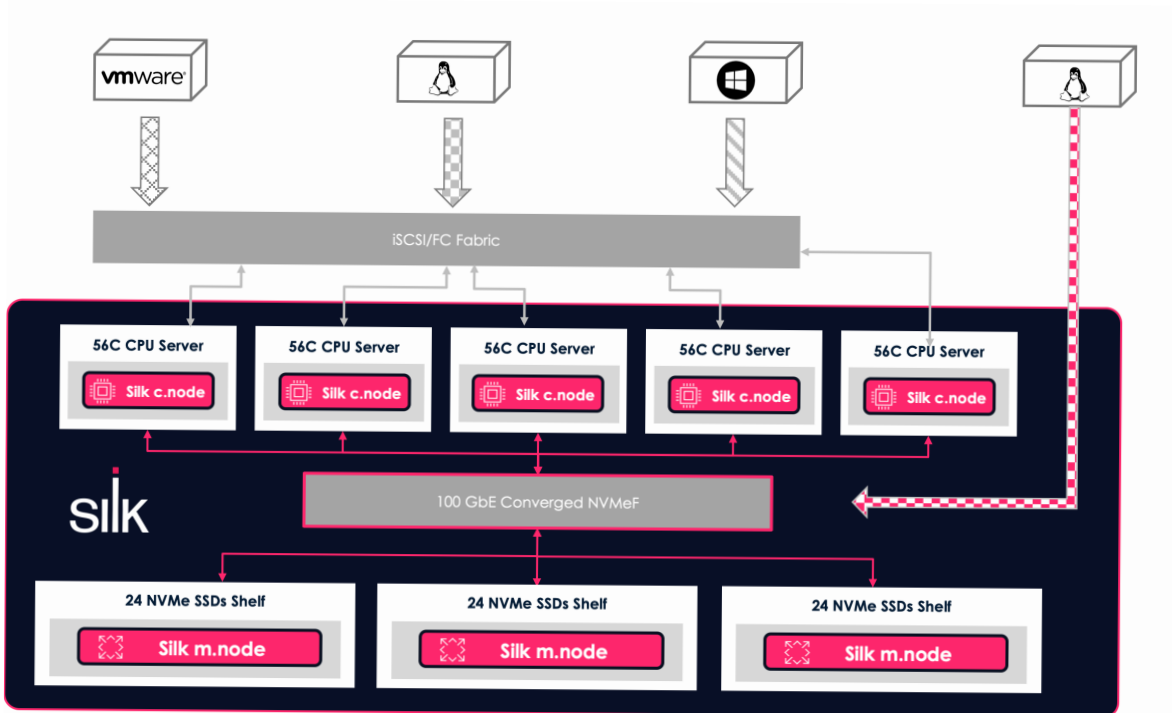
## Private Cloud Overview

With options for iSCSI, FC, and NVMe over Fabrics (NVMeoF) host connectivity, the Silk Data Platform provides dynamically scalable Tier 1 data services on private cloud infrastructure. Through its VisionOS, Clarity, and Flex software, Silk delivers industry-leading data reduction, native data protection, advanced machine learning and intelligence, and infrastructure automation and orchestration.

Silk delivers the exact level of performance and capacity users need with the ability to compose resources made up of any number of Compute Nodes (c.nodes) and Capacity/Media Nodes (m.nodes), all while delivering consistent <1ms latency for even the most demanding mixed workloads.

## Silk for Private Cloud Architecture

With Silk’s mesh architecture, users can introduce new resources on demand with no disruptions.



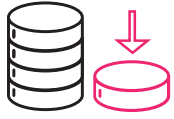
## Cloud Orchestration and Automation

Silk delivers a consistent set of data services across private and public clouds and also provides a native software layer to move data around the hybrid cloud. Customers can easily automate the task of moving data using Silk’s native replication and snapshot technologies. And with rich Artificial Intelligence for IT Operations (AIOps), IT can proactively monitor resources and implement self-healing, policy-based resource orchestration. To meet changing requirements, Silk customers can easily spin up and orchestrate new resources as needed – or decommission old and unused resources to minimize wasted dollars

## The Silk Data Platform

### VisionOS

Silk VisionOS turns the underlying public cloud infrastructure into the world's most capable scale out data virtualization and mobility platform.



#### DataShrink

Industry-leading data reduction including advanced compression and deduplication.



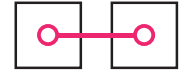
#### DataProtect

Native clones and replication to return to any point in time. Data-at-rest AES256 encryption ensures data privacy.



#### DataManage

Intuitive web GUI, fully scriptable CLI, and a set of programmable RESTful APIs, SNMP, and Syslog enable system data access for monitoring and reporting.



#### DataConnect

RESTful API for integration with external applications and frameworks, with full support for IAC elements like Terraform and Ansible. Kubernetes cluster support via a CSI compliant plugin.

### Silk Clarity

Silk Clarity delivers predictive analytics through a comprehensive set of management and monitoring functionalities including application-level intelligence, machine learning, and big data predictive analytics.



#### Multi-System Management

A centralized cloud-based portal enables single pane monitoring of the private cloud.



#### AIOps Driven IT

Predictive analytics, proactive resource monitoring, and self-healing capabilities.



#### Automated Case Management

Proactive automatically created maintenance cases ensure a seamless support experience without requiring user intervention.

### Silk Flex

Silk Flex delivers the on-demand ability to compose, optimize, manage, and decommission resources as needed to support SLAs.



#### Orchestrate Hybrid Platforms

Dynamically compose and orchestrate resources across the hybrid cloud.



#### Orchestrated Containers

Leverage Silk K8s plugin to dynamically request and provision resources for stateful containers.



#### Orchestrate Automation

Incorporate analytics from Clarity to automate resource management tasks based on a rules engine.

### Performance Details

c.Nodes	
IOPS	Up to 400K per node
Throughput	2GB/s per node
Latency	from 130µs
Host Connectivity	FC – 16/32GB iSCSI – 2x10 2x25GbE NVMeOF – 2 x 25GbE
Backend Connectivity	2 x 50 GbE RoCE v2 Per Node

M.Nodes	
SSD Capacity	JBOF Usable Capacity
3.84TB	60TB (300TB effective) *
7.68TB	120TB (600TB effective) *
Connectivity	4 x 100GbE ROCE v2

\*Usable capacity is 1:1, effective shows 5:1 DRR

**Ready to get started?** Visit [www.silk.us](http://www.silk.us) to learn more about the Silk Cloud Data Platform.