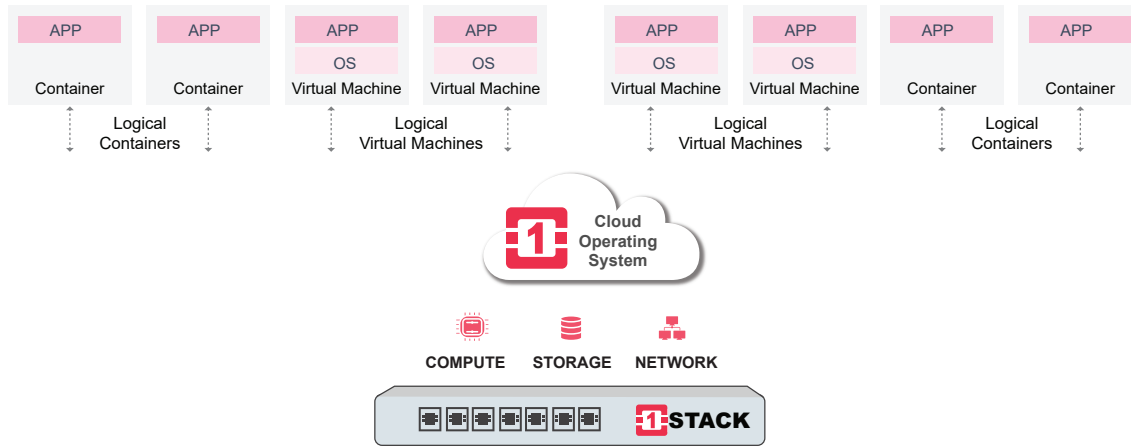


1STACK PRIVATE CLOUD INFRASTRUCTURE

Sales Positioning Brief

High-Performance Servers Engineered

" Move beyond generic cloud rentals. Build your mission-critical environment on enterprise-grade hardware designed for absolute control and superior long-term TCO."



- Virtual Machines
- Virtual Desktop Infrastructure
- Containers
- Private Cloud

COMPUTE (THE SERVER ENGINE)

Next-Gen Hyperconverged Infrastructure (HCI)

Our servers are the foundational building blocks of the modern data center. By integrating 1STACK OS with world-class silicon, we deliver bare-metal power with cloud agility.

- **AMD EPYC & Ampere ARM:** Native support for high-core density x86 and energy-efficient ARM architectures.
- **NVIDIA vGPU Integration:** Hardware-accelerated infrastructure for AI, ML, and high-density VDI workloads.
- **1STACK OS:** A turnkey, OpenStack-based management layer that provides a seamless "Public Cloud" experience on your physical assets.

STRATEGIC OWNERSHIP COMPARISON

Metric	1STACK Private Server Infrastructure	Public Cloud (Leased)
Data Sovereignty	ULTIMATE (Total On-Premise Control)	SHARED (Subject to Foreign Jurisdiction)
Predictable Cost	HIGH (Asset Ownership, Zero Egress Fees)	LOW (Unpredictable Monthly Fluctuations)
Workload Performance	DEDICATED (No "Noisy Neighbors")	VARIABLE (Multi-tenant Over-subscription)

ADVANCED STORAGE & NETWORKING

Sales Positioning Brief

Unleashing Total Server Potential through Disaggregated Systems

STORAGE (SOFTWARE-DEFINED EXCELLENCE)

Ultra-Fast, Self-Healing Data Pools

We decouple storage from physical constraints, allowing your servers to access data at the speed of local flash across the entire fabric.

NVMe-over-TCP

Achieve millions of IOPS with local-SSD latency using standard Ethernet. Ideal for transaction-heavy databases.

Ceph

Self-healing micro-server architecture. If a node fails, data rebalances in minutes with zero

OPEN NETWORKING (THE HIGH-SPEED FABRIC)

Disaggregated Networking for Hyperscale Growth

Eliminate proprietary lock-in with an open fabric that separates high-performance hardware from intelligence software.

- **Edgecore Bare-Metal:** Support for 100G, 400G, and 800G hyperscale switching.
- **IP Infusion & SONiC:** Carrier-grade Network Operating Systems for ultimate flexibility.
- **Starview Optics:** Every rack is optimized with Starview high-performance transceivers for zero-loss data flow.
- **Complete Edge Connectivity:** Our open networking infrastructure extends beyond core switches. We provide a comprehensive range of high-performance PoE Solutions, Media Converters, and Precision Armor Fiber Patch Cords to seamlessly connect and power your edge devices, IoT deployments, and security infrastructure directly into the 1STACK core.

THE BEST-IN-CLASS ECOSYSTEM



We provide a complete lifecycle from Custom Design and Turnkey Build to 24/7 SMART NOC Support, ensuring your Private Cloud infrastructure remains optimal.