



Cloud-Based Dedicated Multi-GPU Servers & Clusters

- NVIDIA Tesla Volta & Pascal GPU Specialists
- Bare Metal GPU Systems for the Fastest AI & HPC Performance Available as a Service



The Award-Winning SkyScale Advantage
Long-Term & On-Demand Access
Security, Reliability, & Compliance
Private & Hybrid Clouds

Award-Winning Features of SkyScale's Accelerated Cloud Platform



Performance

- Best-in-class dedicated bare metal systems with up to 16 NVIDIA GPUs per node for the fastest AI & deep learning performance available as a service.
- Scale quickly with Infiniband interconnects & native NVMe SSD drives.
- Containerized & optimized deep learning software, applications & tools.



Best Multi-GPU Cloud Value

- Multi-GPU performance that is 30% faster and 40% lower cost than the fastest offerings of any major cloud provider.
- On demand access and discounts for long-term contracts.
- No hidden fees, surprises, or compromises.
- 2N power redundancy & A+B fully managed power & eco-friendly high-density cabinets.



Networking

- 100Gb high availability to seven Tier 1 Internet backbones, each with diverse & redundant connections.
- Affordable 1Gb/10Gb/100Gb transit, transport, and inter-platform connectivity options.
- Direct connect, MPLS, & Point-to-Point services for private or hybrid clouds available.
- 99.99% network uptime reliability.



Personalized Support

- Hotlines to technical and customer personnel facilitate direct access to expertise in complex, deep learning cloud infrastructures, clustering, tuning, data-acceleration, and dense architectures.
- Private & hybrid cloud options enable SkyScale to offer complete customized solutions to address all of your cloud and GPU processing needs.

The Benefits of SkyScale vs. AWS, Azure & Google Cloud

		  
TECHNOLOGY:	→ Best-in-class GPUs, Storage, Interconnects	→ Generally Previous Generations
PERFORMANCE:	→ World's Fastest Multi-GPU Cloud	→ 30 to 40% Slower than SkyScale*
HARDWARE:	→ Dedicated Servers, GPUs, Storage, Clusters	→ Virtualized (shared)
SETUP:	→ Simplified Access to Nodes and Clusters	→ Unmanaged Complicated Interface
SECURITY:	→ Unsurpassed Physical and Cyber Security	→ As Secure as Shared Resources Allow
PRICING:	→ 30% Lower Cost; No Surprises	→ By the Second, but Expensive
TECH SUPPORT:	→ Phone Call with an Engineer	→ Online form or email, then wait...
SERVICE LEVEL:	→ Culture of Client Satisfaction	→ Impersonal and Distant

*Actual results of 3rd party comparison: ResNet 50 deep neural network model run on a Caffe2 deep learning framework for image classification.

Access to SkyScale's Accelerated Cloud Platform

Access to the fastest and most reliable performance available as a service anywhere in the world is only moments away. SkyScale's ultra-fast multi-GPU hardware platforms are available for lease in several standard configurations with up to sixteen NVIDIA Volta™ (V100) processors per node, plus the ability to scale up or down and cluster nodes as desired. And SkyScale's operations are strategically located in maximum-security facilities, allowing you to focus on results while minimizing capital equipment investment.

Multi-GPU Platforms

FOUR GPUs

- 4 NVIDIA Tesla P100 GPUs with NVLink
- Dual Intel® Xeon® E5-2690 (2.6 GHz)
- 512GB (System Memory)
- 1.6TB NVMe SSD (Primary Storage)
- \$4.00 to \$5.80 per hour
- Discounts for 3, 6, and 12 Month Contracts

SIXTEEN GPUs

V10016xP (Volta)

- 16 NVIDIA Tesla V100 GPUs with PCIe
- Dual Intel® Xeon® E5-2667 (3.2 GHz)
- 512GB (System Memory)
- 1.6TB NVMe SSD (Primary Storage)
- \$16.00 to \$33.00 per hour
- Discounts for 3, 6, and 12 Month Contracts

EIGHT GPUs

8 NVIDIA Tesla P100 GPUs with PCIe

- Dual Intel® Xeon® E5-2667 (3.2 GHz)
- 512GB (System Memory)
- 1.6TB NVMe SSD (Primary Storage)
- \$6.00 to \$11.50 per hour
- Discounts for 3, 6, and 12 Month Contracts

8 NVIDIA Tesla P100 GPUs with NVLink

- Dual Intel® Xeon® E5-2667 (3.2 GHz)
- 512GB (System Memory)
- 1.6TB NVMe SSD (Primary Storage)
- \$6.50 to \$12.00 per hour
- Discounts for 3, 6, and 12 Month Contracts

V1008xP (Volta)

- 8 NVIDIA Tesla V100 GPUs with PCIe
- Dual Intel® Xeon® E5-2667 (3.2 GHz)
- 512GB (System Memory)
- 1.6TB NVMe SSD (Primary Storage)
- \$7.50 to \$17.50 per hour
- Discounts for 3, 6, and 12 Month Contracts

V1008xN (Volta)

- 8 NVIDIA Tesla V100 GPUs with NVLink
- Dual Intel® Xeon® E5-2667 (3.2 GHz)
- 512GB (System Memory)
- 1.6TB NVMe SSD (Primary Storage)
- \$8.00 to \$18.00 per hour
- Discounts for 3, 6, and 12 Month Contracts



Have it Your Way

- Rent a dedicated bare metal node or cluster and load your application software.
- Choose to have a full software suite preloaded by a SkyScale technician.
- Access a comprehensive catalog of GPU-accelerated containers comprised of deep learning software, managed applications, visualization tools, and more, specifically optimized for the Tesla® V100 and P100 GPU processors.
- Custom configurations are encouraged! SkyScale will gladly work with you to create the best solution for your business needs.
- Lease for an extended time period and receive discounts for 3 months or more.
- Rent-to-Own options available.

More Options

- Infiniband Clustering; 56Gb network speed (2X faster than AWS).
- Affordable 1Gb/10Gb/100Gb Internet connectivity.
- Megaport high-speed dedicated connection to all major hyperscale cloud providers.
- Network attached high speed / low latency storage.
- Fast data upload tuning & optimization.

Refer to www.SkyScale.com for On-Demand Access and Pricing.

Call to Schedule Your Free Trial on SkyScale's Accelerated Cloud Platform.

Security, Reliability, & Compliance

As a world-class provider of accelerated cloud solutions, security and reliability are hypercritical components of SkyScale's business. Its high performance systems are secured in industry-leading data centers in San Diego, Houston, Seattle, and Ashburn, VA. Featuring unmatched reliability and physical and cyber security, the data centers are audited to the strictest standards. Whether for corporate requirements or peace of mind, SkyScale welcomes customer visits and audits (U.S. citizens, per ITAR requirements).

Confidentiality & Network Security



Dedicated Nodes

- Non-virtualized, dedicated hosts are isolated with strict VLAN Access Control Lists.
- Host management ports are on out-of-band networks and unused firewall ports are blocked.

Industry-Standard Encryption and Authentication Protocols

- Robust encryption and certificates for data transfer to, and from, the Cloud.
- Enterprise-grade intrusion detection/protection controls.
- Threat management and mitigation controls.
- Data-at-rest protection.

Security & Compliance

Access Security

- Physical facility access is strictly regulated with armed security personnel at all entrances, at all times.
- Facilities extensively monitored by digital security cameras.
- Encrypted biometric records of all clients and personnel are maintained.
- Access to SkyScale's cabinets and racks require authorization through multi-tiered verification systems.

Compliance

- Facilities and cloud infrastructure meet regulatory requirements and national standards in compliance with the Health Insurance Portability and Accountability Act (HIPAA), protecting individuals' medical records and health information.
- SkyScale and its data centers meet or exceed regulatory compliance for ITAR.
- SkyScale's data center facilities are audited annually to SSAE-16 SOC 1 Type 2 / SSAE-16 SOC 2 Type 2 / SSAE-16 SOC 3 Type 2.

Private & Hybrid Clouds



SkyScale, the leader in accelerated cloud solutions, is a world-class provider of hosted private and hybrid clouds. SkyScale works with your team to expand internal capacity or capability or to configure and manage a complete off-site deployment—locally or across any of our U.S. data centers, including: platform configuration, hardware acquisition, network, software, and peerless ongoing maintenance and support. Leveraging its advanced knowledge in the latest equipment, data-acceleration technologies, deep learning cloud infrastructures, dense architectures, and cyber security, the end result is a customized cutting-edge and highly secure private or hybrid cloud with uncompromising performance, reliability, security, flexibility, and regulatory compliance. Once implemented, you can trust SkyScale to manage the hardware, storage, network, and dedicated Internet access, allowing you to focus on your operating environment, middleware and applications.

SkyScale is an NVIDIA® Authorized Cloud Service Provider