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Secure Cloud Services

GPU Hosting by Atlantic.Net

NVIDIA Partner Network Cloud Partner (NCP)

Accelerated by NVIDIA

Next-Gen Dedicated GPU Servers, Powered by NVIDIA

Experience unparalleled performance with dedicated cloud servers equipped with the revolutionary NVIDIA accelerated computing platform.

Choose from the NVIDIA L40S GPU and NVIDIA H100 NVL to unleash the full potential of your generative artificial intelligence (AI) workloads, train large language models (LLMs), and harness natural language processing (NLP) in real time.

High-performance GPUs are superb at scientific research, 3D graphics and rendering, medical imaging, climate modeling, fraud detection, financial modeling, and advanced video processing.

GPUs Available on Atlantic.Net

Our dedicated high-performance servers are available in two powerful configurations:

- **NVIDIA L40S GPU** is great for general AI tasks, machine learning and deep learning.
- **NVIDIA H100 NVL** is more powerful with much higher memory bandwidth, making it perfect for advanced AI and deep learning requirements.

Feature	NVIDIA L40S GPU	NVIDIA H100 NVL
Architecture	Ada Lovelace	Hopper
CUDA® Cores	18,176	14,592
Tensor Cores	568	456
RT Cores	142	0
Memory	48GB GDDR6 with ECC	94GB HBM3
Memory Bandwidth	864 GB/s	3.9 TB/s
FP32 Performance	Up to 91.6 TFLOPS	Up to 60 TFLOPS
FP8 Performance	Up to 1,466 TFLOPS with Sparsity	Up to 3,341 TFLOPS with Sparsity
Transformer Engine	4th Gen	4th Gen
Primary Use Cases	Versatile AI, Graphics, Video	Large-Scale AI, High-Performance Computing

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Use Cases: NVIDIA L40S GPU

Versatile AI, Graphics, and Video

Generative AI and Content Creation

Unleash your creativity with the NVL40S. Generate stunning images, videos, and 3D models using AI-powered tools. Accelerate your creative workflows with real-time rendering and video editing capabilities.

AI-Enhanced Video Conferencing

Transform your virtual meetings with the NVL40S. Enhance video quality with AI-driven upscaling and noise reduction, ensuring clear and crisp visuals even in low-bandwidth environments. Add virtual backgrounds and avatars for a more engaging experience.

Medical Imaging and Analysis

Accelerate the processing and analysis of medical images with the NVL40S. Aid in the diagnosis of diseases and the development of new treatments by leveraging AI to detect subtle patterns and anomalies in scans and X-rays.

Use Cases: NVIDIA H100 NVL

Large-Scale AI and High-Performance Computing (HPC)

Natural Language Processing (NLP)

Develop sophisticated language models that can understand, generate, and translate human language with unprecedented accuracy. The H100 NVL GPU powers the training and deployment of these models for applications like chatbots, virtual assistants, and language translation services.

High-Performance Data Analytics

Analyze massive datasets and uncover hidden insights with the H100 NVL GPU. Accelerate your data processing pipelines and gain a competitive edge in fields like finance, marketing, and scientific research.

Scientific Simulations and Modeling

Map weather patterns, compute protein folding, and model astrophysical events with unparalleled speed and accuracy.

www.atlantic.net sales@atlantic.net +1-408-335-0825

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Choosing the Right GPU

NVIDIA L40S GPU: Experience breakthrough multi-workload performance with the NVIDIA L40S GPU. Combining powerful AI compute with best-in-class graphics and media acceleration, the L40S GPU is built to power the next generation of workloads — from generative AI and large language model (LLM) inference and training to 3D graphics, rendering, medical imaging, video, and virtual desktops.

NVIDIA H100 NVL: The most optimized platform for LLM inferences with its high compute density, high memory bandwidth, high energy efficiency, and unique NVIDIA® NVLink™ architecture. It also delivers unprecedented acceleration to power the world's highest-performing AI, data analytics, complex simulations, and high-performance computing (HPC) applications.

Why Choose Atlantic.Net for GPU Hosting?

Atlantic.Net, a leading provider of hosting services, is renowned for its award-winning hosting infrastructure, reliable performance, and commitment to customer satisfaction. With the new partnership with NVIDIA, Atlantic.Net is now offering a range of hosted GPU servers designed to meet the diverse needs of businesses and developers.

Whether you need a dedicated GPU server for maximum performance, a dedicated server with GPU for flexibility, or a hosted GPU server for deep learning, Atlantic.Net has you covered. Our dedicated GPU servers are powered by NVIDIA's cutting-edge enterprise GPU technology, ensuring optimal performance for even the most demanding AI workloads.

The Advantages of GPU Hosting from Atlantic.Net

With Atlantic.Net's powerful GPU hosting solutions, businesses can expect lots of benefits, including:

- **Accelerated AI Development:** GPUs significantly reduce training times for deep learning models, enabling businesses to bring AI applications to market faster.
- **Cost Reduction:** GPU hosting eliminates the need for costly upfront investments in hardware and maintenance, making AI accessible to organizations of all sizes.
- **Effortless Scaling:** Atlantic.Net's scalable hosting infrastructure allows businesses to easily adjust their GPU resources to meet evolving needs.
- **Expert Support:** Atlantic.Net provides comprehensive, around-the-clock support for dedicated GPU servers, ensuring businesses can maximize their investment in AI and receive assistance whenever needed.

Atlantic.Net GPU Server Hosting

If you're looking for a GPU server hosting provider that can deliver the performance, reliability, and support you need to succeed, look no further than Atlantic.Net. Our Dedicated GPU Servers are an ideal platform for businesses looking to harness the power of AI to help drive innovation and growth.

Ready to Find Out More?

Atlantic.Net stands ready to help you attain fast compliance with a range of certifications, such as SOC 2 and SOC 3, HIPAA, and HITECH, all with 24x7x365 support, monitoring, and world-class data center infrastructure. For faster application deployment, free IT architecture design, and assessment, visit us at **www.atlantic.net**, call **+1-408-335-0825**, or email us at **sales@atlantic.net**.