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NVIDIA Cloud Native Computing

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Extracting the highest possible performance from supercomputing systems while achieving efficient utilization has traditionally been incompatible with the secured, multi-tenant architecture of modern cloud computing. A cloud-native supercomputing platform provides the best of both worlds for the first time, combining peak performance and cluster efficiency with a modern zero-trust model for security isolation and multi-tenancy. The NVIDIA Cloud-Native Supercomputing platform leverages the NVIDIA® BlueField® data processing unit (DPU) architecture with high-speed, low-latency NVIDIA Quantum InfiniBand networking to deliver bare-metal performance, user management and isolation, data protection, and on-demand high-performance computing (HPC) and AI services—simply and securely.

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