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Press Release

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IronOrbit Uses the World's Most Powerful Data Center GPU

Thursday, March 31st, 2022 - Anaheim Hills, CA - Comprehensive provider of Smart Managed IT services, IT support, and cloud services for businesses, IronOrbit, announces the successful integration of NVIDIA's A40 GPU video card into the company's data centers located in the United States. This next generation of virtualization technology brings more power to the performance of the company's cloud computing services.

The A40 is built on NVIDIA's Ampere Architecture and boasts a 300W GPU with 696 gigabytes of memory bandwidth. The NVIDIA Ampere is a new GPU architecture that raises the bar for high-performance and energy-efficient computing on a large scale. The GPU video card uses virtualization (vGPU) to split the GPU resources across VDI applications and cloud desktops. These characteristics make NVIDIA's A40 ideal for data centers handling multi-workload and compute-intensive demands of modern-day businesses. The leading-edge technology combines best-in-class professional graphics with powerful compute and AI acceleration. IronOrbit's integration of NVIDIA's A40 brings next-generation NVIDIA RTX™ technology to the data centers for the most advanced visualization needs.

The IronOrbit ecosystem combines NVIDIA with their proprietary systems to deliver unparalleled performance via their flagship product, INFINITY Workspaces. This reinforces their commitment to delivering the best technology for visual computing, giving designers and engineering teams the ability to render and process in real-time with twice the throughput of previous generations.

"Integrating NVIDIA's latest technology helps us deliver the highest application performance for engineers, architects, designers, and artists.," said Ayman Ayoub, VP at IronOrbit. *"Companies can hire the best talent anywhere globally and have them work remotely using the most graphics-intensive applications at superior performance levels."*

"The Ampere architecture provides the greatest generational leap out of our eight generations of GPUs," says Paresh Kharya, a Director of Product Management at NVIDIA. *"The second-generation RT Cores in the A40 speeds up the performance of photorealistic rendering, architectural design evaluations, and product designs."*

These solutions enable companies to run business-critical workloads and resource-intensive applications securely and seamlessly. These powerful cloud workspaces provide:

- Latency-free, high-speed rendering capabilities.
- Reliable 24/7 access on any device, anywhere there's an internet connection
- Real-time collaboration across project teams.

IronOrbit's cloud-native technologies power today's most demanding digital transformation, making world-class cloud security and compliance automated and affordable. IronOrbit operates its global footprint of private data centers across more than twenty regions worldwide. SOC 2 Certified, Tier 4 facilities provide highly secure cloud services and virtual workspaces to thousands of customers, including the US government. Learn more at www.ironorbit.com

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