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One Stop Systems Doubles HPC Datacenter Efficiency with New Rack Scale GPU Accelerator System Offering

SAN JOSE, Calif., March 26, 2018 (GLOBE NEWSWIRE) -- One Stop Systems, Inc. (Nasdaq:OSS), the leading provider of high performance computing (HPC) GPU accelerators and NVMe flash arrays for a multitude of HPC applications, has expanded its line of rack scale NVIDIA GPU accelerator products with the introduction of GPUltima-CI.

Announced today at the 2018 GPU Technology Conference (GTC) in San Jose, Calif., GPUltima-CI features the flexibility of disaggregated composable infrastructure that increases GPU accelerator utilization in mixed workload datacenters. With composable infrastructure, unused GPU, storage and network resources from one application are automatically released to other resource-hungry applications on other server nodes resulting in increased resource utilization.

The GPUltima-CI power-optimized rack can be configured with up to 32 dual Intel Xeon Scalable Architecture compute nodes, 64 network adapters, 48 NVIDIA$^®$ Volta GPUs, and 32 NVMe drives on a 128Gb PCIe switched fabric, and can support tens of thousands of composable server configurations per rack. Using one or many racks, the OSS solution contains the necessary resources to compose any combination of GPU, NIC and storage resources as may be required in today's mixed workload data center.

"As the most flexible solution for mixed workload datacenters, with GPUltima-CI we once again deliver the most cutting-edge, high-power computing solution for customers worldwide," said Steve Cooper, CEO of OSS. "GPUltima-CI's composable infrastructure allows any node in the system access to a multitude of NVIDIA Volta GPUs and expansive storage resources.

"This flexibility will be invaluable to many HPC applications, like AI, deep learning, image processing and scientific modeling. GPUltima-CI makes the datacenter workload-centric, where the hardware truly adapts to the needs of applications, rather than applications trying to adapt to limited hardware."

"This new OSS system uses the latest NVIDIA Tesla V100 GPUs, by far the most advanced data center GPUs ever built, to accelerate AI, HPC, and graphics," said Paresh Kharya, Group Product Marketing Manager at NVIDIA. "OSS customers can now fully harness the power of our Volta architecture with GPUltima-CI."

Advanced PCIe switched fabric forms the critical interconnect between resources in the GPUltima-CI. OSS partner, Liqid, provides the multi-port PCIe switch that features an Intel Xeon processor and runs Liqid's composable infrastructure software.

"We're excited to join OSS in delivering industry-leading GPU and NVMe composable solutions that support a new level of resource availability across the data center," said Liqid CEO, Sumit Puri. "Our technology platform allows users to manage, scale out, dynamically configure and automate physical, bare-metal server systems. Liqid and OSS enable the ability to treat GPUs as a disaggregated, shared resource for the first time. OSS expansion systems and Liqid Command Center software provide the infrastructure to meet the most demanding of HPC deployments."

Visitors to GTC can view the GPUltima-CI in the OSS booth #406. Customers can order a custom configuration of this rack scale solution from the Company's highly-trained sales engineers at sales@onestopsystems.com.

About One Stop Systems
One Stop Systems, Inc. (OSS) designs and manufactures high performance compute accelerators, flash storage arrays and customized servers for deep learning, AI, defense, finance and entertainment applications. OSS utilizes the power of PCI Express, the latest GPU accelerators and NVMe flash cards to build award-winning systems, including many industry firsts, for OEMs and government customers. The company's innovative hardware and Ion Accelerator Software offers exceptional performance and unparalleled scalability. OSS products are available directly, through global distributors, or via its SkyScale cloud services. For more information, go to www.onestopsystems.com.

Forward-Looking Statements
One Stop Systems cautions you that statements in this press release that are not a description of historical facts are forward-looking statements. These statements are based on the company's current beliefs and expectations. These forward-looking statements include statements regarding the ability of the GPUltima-CI to double datacenter efficiency, increase GPU accelerator and resource utilization, fully harness the power of NVIDIA Volta GPU architecture and other expected benefits of the GPUltima-CI system. The inclusion of forward-looking statements should not be regarded as a representation by One Stop Systems that any of our plans will be achieved. Actual results may differ from those set forth in this press release due to the risk and uncertainties inherent in our business, including, without limitation: risks associated with the performance of One Stop Systems' technology and the new GPUltima-CI system; the market for the GPUltima-CI system is developing and may not develop as we expect; and other risks described in our prior press releases and in our filings with the Securities and Exchange Commission (SEC), including under the heading "Risk Factors" in our Annual Report on Form 10-K and any subsequent filings with the SEC. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof, and we undertake no obligation to revise or update this press release to reflect events or circumstances after the date hereof. All forward-looking statements are qualified in their entirety by this cautionary statement, which is made under the safe harbor provisions of the Private Securities Litigation Reform Act of 1995.

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