



For Immediate Release

XTREME-D Launches G4 Instance on Baremetal High-Speed Computing Environment

*Instance provides access to AXXE-L One, the company's first server product,
via Shared or Dedicated monthly subscription.*

Tokyo, Japan, August 19, 2021 – Award-winning Platform as a Service Provider XTREME-D today announced the launch of a new instance on its baremetal high-speed computing environment. The new instance, named G4 for the company's fourth generation model, was developed as an all-in-one solution using AXXE-L One, XTREME-D's first server product, which was announced in June of this year.

AXXE-L by XTREME-D is an HPC Environment as a Service, a framework that supports both on-premise and cloud environments and allows users to run all HPC jobs using the same process, regardless of environment. AXXE-L provides all major software stack components required to run HPC / AI jobs and is designed to do everything via a web browser. AXXE-L One is an appliance that comes with AXXE-L pre-installed, providing the key components required to run HPC / AI jobs out-of-the-box.

XTREME-D's new G4 instance consists of compute nodes equipped with AMD's newest EPYC 7003 series processor running at 2.0 GHz. The instance supports a maximum of 128 cores and 1 TB main memory per node, and features a large-scale, high-speed file system paired with Lustre storage from DataDirect Networks and Isilon storage from Dell Technologies. All nodes are connected using NVIDIA Mellanox InfiniBand at 100 Gbps.

Some compute nodes are equipped with NVIDIA A100 GPUs, and others with V100s in order to support GPGPUs under Virtual Desktop Infrastructure (VDI). The G4 instance is available to all AXXE-L customers who subscribe to XTREME-D's Shared and Dedicated plans, which offer AXXE-L in combination with XTREME-D's baremetal high-speed computing environment. Both plans are offered in a subscription model so that users can take advantage of the latest equipment without needing to purchase pricy state-of-the-art hardware.

The new G4 instance is deployed with AXXE-L One, XTREME-D's first server product, and is built as a baremetal high-speed computing environment consisting of various nodes, including compute nodes (AXXE-L One for Compute), a management server, and storage, along with a high-speed file system. AXXE-L One was developed to provide customers with the best hardware environment for running HPC / AI workloads using AXXE-L, and forms the backbone of XTREME-D's Shared and Dedicated access plans.

The G4 instance is deployed in a data center operated by XTREME-D's data center partner MC Digital Realty, Inc., at which the company has built the last three generations of its baremetal high-speed computing environment. With the launch of the G4, XTREME-D and MC Digital Realty will further strengthen their collaboration and promote the latter's PlatformDIGITAL® infrastructure environment. PlatformDIGITAL® was launched to meet the needs of all businesses with its ability to respond rapidly to exponential digital change and therefore quickly meet customers' ever-changing business needs.

"We are very happy that the new G4 instance is up and running. This is the fourth generation of XTREME-D's computing instance, and it's clear that XTREME-D, our first colocation customer in Japan, is expanding steadily," said Futoshi Kimishima, Vice President of Sales at MC Digital Realty, Inc. "In today's social environment of digital transformation, demand for data centers is expected to increase worldwide. We will continue to strengthen our collaboration with XTREME-D to provide a stable digital infrastructure that supports customers in this social environment."

"The new G4 instance announced today, deployed on our new server product, AXXE-L One, uses the latest CPUs, interconnects, and file systems." said Naoki Shibata, Founder and CEO of XTREME-D. "Just like all previous instances, our servers will be installed in MC Digital Realty's data center, which boasts world-class security and quality, and will provide open access to Digital Realty's ecosystem of carrier-neutral businesses. We will continue to provide our customers with a high quality R&D platform, while deepening our technical collaboration with PlatformDIGITAL®."

About XTREME-D

XTREME-D Inc. was established in February 2015 with headquarters in Shinagawa-ku, Tokyo, Japan and offices in San Mateo, California, USA. The award-winning, VC-funded company offers an HPC System Software as a Service framework called AXXE-L by XTREME-D, which supports both on-premise and cloud HPC environments and allows users to run all HPC jobs using the same process, regardless of environment. XTREME-D's leadership team averages 20 years of experience as HPC cloud architects and technologists. Their vision is to bring easy and cost-effective on-demand HPC /AI access to all, through innovative platform solutions. For more information visit <https://xtreme-d.net>

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