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## **Press Release: ThinkParQ accelerates BeeGFS v7.3.0 release with NVIDIA's Magnum IO GPUDirect Storage support.**

Kaiserslautern, Germany, April 20th, 2022. ThinkParQ the company behind the world leading parallel file system BeeGFS announced immediate release of BeeGFS v7.3.0.

BeeGFS v7.3.0 includes NVIDIA's Magnum IO GPUDirect Storage (GDS) and support for client side multirail RDMA networking, supporting Arm architectures, along with Linux 5.10 support.

As more and more HPC driven workloads are moving towards GPU-accelerated architectures, the support of GDS will increase the ability and performance of BeeGFS. Multirail network configurations will allow the BeeGFS client to be configured to use multiple RDMA capable network interfaces on the same network, whilst automatically balancing the traffic across all those interfaces.

"Our engineering team has been working closely with NetApp's team on many development projects to further the innovation of BeeGFS, and together we collaborated with NVIDIA to certify BeeGFS with NVIDIA DGX A100 systems for machine learning and deep learning". said Frank Herold CEO, ThinkParQ. "We're very excited that GDS now supports BeeGFS, and look forward to performance results from our customers and the BeeGFS community"

Along with GDS support, BeeGFS v7.3.0 also includes the advancement of Arm architecture support. With Arm architecture advancing from traditional mobile processors and becoming more prominent in the server market, ThinkParQ saw more demand and request for Arm support from the field and decided that BeeGFS will support Arm in v7.3.0 onwards.

The long-awaited Linux 5.10 kernel support has also been implemented, laying the groundwork to support more modern I/O frameworks in the kernel.

"Whilst Linux 5.10 has been out for some time and other filesystems are also challenged with supporting it and newer kernels due to the underlying changes, we have now completely reworked our I/O path in the client module and are able to support Linux 5.10 and future kernel releases". said Philipp Falk, Head of Engineering, ThinkParQ

### **About ThinkParQ GmbH**

ThinkParQ GmbH strives to create and develop the fastest, most flexible, and most stable solutions for every performance-oriented environment. Established in 2014 as a spinoff from the Fraunhofer Center for High-Performance Computing, ThinkParQ drives the research and development of BeeGFS, and works closely with system integrators to create turn-key solutions. Visit <http://www.thinkparq.com> for further information.

### **About BeeGFS**

BeeGFS is one of the leading parallel cluster file systems, developed with a strong focus on performance and designed for very easy installation and management. If I/O-intensive workloads are your problem, BeeGFS is the solution. For more information, visit [www.beegfs.io](http://www.beegfs.io)

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