

## Panasas Partner Technical Training Webinar Questions Sept 27, 2022

1.	<p>Q: How different are the media for the Ultra and the Ultra XL?</p> <p>A: The ASU-100 ActiveStor Ultra storage node has six SATA HDDs (8TB, 12TB or 16TB – all 6 the same size), one SATA SSD (3.84TB or 7.68TB) for large and small files respectively, and an M.2 NVMe SSD for metadata. The ASU-100XL ActiveStor Ultra XL node has eight large capacity SATA HDDs (20TB each or 160TB/node) and an M.2 NVMe SSD for both metadata and small files.</p>
2.	<p>Q: Will native InfiniBand be a future option? Do you also support Omni-Path?</p> <p>A: Native InfiniBand support is always a consideration; however, our current method of connection to InfiniBand-based compute clusters is through an InfiniBand-to-Ethernet router with the Panasas ASR-400 router product. A couple additional benefits of the ASR-400 are: i) connection flexibility to multiple clusters, and ii) concurrent support for Ethernet and InfiniBand networks within a single deployment.</p>
3.	<p>Q: Do you also support Omni-Path?</p> <p>A: No, we do not support Omni-Path today.</p>
4.	<p>Q: Is the performance shown in the slides for NFS protocol and/or SMB protocol?</p> <p>A: Neither. They used the Panasas DirectFlow client driver for Linux which is the highest performing access approach. Recall that DirectFlow provides a direct and parallel access between PanFS and the Linux compute cluster and is a loadable kernel module with the same semantics as a locally mounted, POSIX-compliant file system.</p>
5.	<p>Q: What version is recommended for NFS and SMB?</p> <p>A: PanFS supports NFSv3 and SMBv3.1 via a modern Samba.</p>
6.	<p>Q: Other vendors are talking about NVMeoF at this point, are there any plans?</p> <p>A: At this time, ActiveStor running the PanFS file system is built on industry-standard hardware chosen for its carefully balanced architecture including performance, media type support, and cost.</p>