

Penguin Computing Announces Icebreaker Cloud CS Storage Platform Powered by Scality Object Storage Technology

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Penguin Computing, experts in high performance and enterprise computing solutions today announced the immediate availability of the Icebreaker CS storage platform for large scale-out cloud storage deployments. The Icebreaker CS is a fully integrated and pre-configured appliance that incorporates Scality's RING Organic Storage software. It will be available directly from Penguin as well as through Scality. The Icebreaker CS is based on Penguin Computing's Icebreaker 4860 storage server. The system offers an extremely high storage density of 240TB of raw data in a 4U form factor. It is powered by an Intel Xeon E5-2600 processor and configured with 128GB of RAM. The system is offered with two configuration options featuring SATA hard drives for capacity focused deployments and a mix of SSDs and SATA drives for deployments that require maximum performance. The Icebreaker CS solution combines Scality's RING Organic Storage software with Penguin's high-density Icebreaker 4860 storage servers. "Performance, availability and scalability requirements of large scale cloud businesses cannot be met with traditional IT approaches to storage, that typically excel in one of these areas and fall short in another," said Charles Wuischpard, CEO Penguin Computing. "To meet the demands of our customers that require storage solutions at the petabyte scale we based our large scale storage appliance Icebreaker CS on software from Scality. With its distributed no-shared architecture and its sophisticated Advanced Resilience Configuration, Scality RING offers excellent storage scalability and great availability without compromising performance." Scality RING is based on a distributed, object based storage architecture that implements a 'shared nothing' approach without any single point of failure. Scality RING scales to billions of files and zettabytes of data and addresses the specific challenges associated with large scale storage where high data availability cannot be achieved through RAID configurations and data replication is costly. Scality RING delivers the highest levels of availability with its Advanced Resilience Configuration (ARC), a method based on erasure coding technology. With a 30% redundancy ratio a single 19" Icebreaker CS rack can store over 1.8 petabytes of data with 'six nines' of durability. The system is also self-healing,

constantly 'scrubbing' data in the background. "Penguin has tremendous experience in building and deploying scalable infrastructures," says Jerome Lecat, CEO Scality. "We are very proud that RING was chosen after a rigorous selection process as the software to power Penguin cloud storage products. In the software defined datacenter, the software would be nothing without proper underlying hardware. Penguin's Icebreaker is one of the densest platforms on the market today; embedding Scality RING, it offers one of the cheapest active storage solutions on the planet, delivered by a company that has always been devoted to scale." Organizations with multiple sites can achieve even higher levels of availability with Scality RING's geo-redundancy features. For enterprises storing data sets that need to be accessed at the highest levels of performance and other 'cold' data sets that are accessed less frequently Scality RING provides auto-tiering capabilities. Applications that access data stored on the Icebreaker CS can use a unified data interface capable of delivering local and remote, object and file access. For more information on the Icebreaker CS visit our **storage solutions** page. About Scality Scality is the developer of RING, a software platform enabling cloud storage to easily scale up to exabytes using commodity server hardware with direct attached storage. Scality delivers the performance and reliability of a SAN- or NAS-based architecture without the hassles of volume management at one third to half of the cost. Scality is used by Service Providers to deploy Storage-as-a-Service offerings, by Email Providers to store emails for millions of users, and by web services managing billions of files with very high performance expectations, either for Web 2.0 or business applications. Scality RING is based on a patented object storage technology, which delivers high availability, ease of operations and total control of your data. For more information, visit: www.scality.com or follow @Scality on Twitter.