# ScaleFlux First to Revenue Production With Computational Storage

## Transformative Data-Driven Technology Showcased at Gartner IT Data Center Conference

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LAS VEGAS--(BUSINESS WIRE)--ScaleFlux, Inc., the pioneer in the deployment of Computational Storage at scale, announced today it is shipping its Computational Storage Subsystem (CSS) for revenue into multiple enterprise end-user production environments. Uniquely architected to address the plethora of quickly evolving Data-Driven applications, CSS is proven across Database, Big Data, Data Warehousing and other use cases to dramatically improve IT infrastructure efficiency. By extending low-latency PCIe 3D-NAND SSDs to address both storage I/O and algorithmically intense computational bottlenecks, CSS uniquely minimizes application run-time, optimized flash capacity utilization, and reduced total cost of ownership for advanced data center compute and storage infrastructure.

“From high transaction throughput and e-commerce payment environments to travel sites that demand real time response to queries, our customers are getting more useful work from their volume flash storage deployments with CSS,” said Hao Zhong, Co-Founder and CEO of ScaleFlux. “Leveraging programmable hardware, we are able to address new customer demands on a multi-month cycle versus a multi-year ASIC development cycle for new intelligent storage features, which puts us in an advantageous position in this fast-moving market.”

CSS easily integrates into all standard Linux / x86 server flash storage environments and has been validated to improve the efficiency of popular applications including Aerospike, PostgreSQL, MySQL, DeepgreenDB, RocksDB, HBase, Hadoop, and Spark (see http://www.scaleflux.com/applicationvalue.html for benchmark details). The list of applications continues to expand as ScaleFlux innovates from both a compute engine and Storage I/O acceleration perspective, and will extend into content delivery, search, HPC, AI and machine learning environments.

“ScaleFlux CSS has proven to deliver extremely high transactions with consistently low latency – something that is becoming more of a challenge as 3D NAND evolves to larger and larger die densities,” said Brian Bulkowski, Co-Founder & CTO for Aerospike. “We are excited to collaborate with ScaleFlux on future acceleration functions that can extend Aerospike’s value proposition as the leading, large scale Hybrid Memory Database for real-time applications.”

ScaleFlux CSS is available today in both PCIe Card and U.2 form factors with up to 6.4 Terabytes of state-of-the-art 3D NAND. Through a turnkey, easily-to-install software package, both low-latency storage I/O and compute hardware acceleration are easily enabled without development effort or application re-compilation.

“Computational Storage is an innovative solution to complex, application-level bottlenecks,” said Jim Handy, General Director of Objective Analysis. “ScaleFlux has found a way to combine this concept with the dramatic increase in flash deployment in virtually every data center.”

**Come Visit ScaleFlux at the Gartner IT Data Center Conference -- Venetian Hotel, Las Vegas, NV, December 4-7, Solution Showcase Hall C Level 2, Inspur Booth #351**

Industry experts and end users will come together to discuss and evaluate the latest data center IT technologies at the Gartner IT Data Center Conference. ScaleFlux will be running a live demonstration of an Aerospike NoSQL Database accelerated by low-latency CSS on an Inspur 1U, volume server. Inspur, a leading data center and cloud computing total solutions provider and worldwide top 4 largest server manufacturer, has fully integrated, tested, and validated CSS on its platform and has declared ScaleFlux a certified partner.

**About ScaleFlux, Inc.**

ScaleFlux is the pioneer in the deployment of Computational Storage at scale. Computational Storage is the foundation for modern data center infrastructure that provides responsive performance, affordable scaling, and an agile platform for data-driven, compute and storage I/O intensive applications. Founded in 2014, ScaleFlux is a well-funded startup with a team proven to deploy complex computing and solid-state storage solutions in volume. For more information, visit www.scaleflux.com. #compute2data



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