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ENTERTAINMENT STORAGE ALLIANCE™

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TITLE

Building the Adaptable Datacentric World

ABSTRACT

The diversity of compute workloads like machine learning, big data analytics, and streaming video in the modern datacenter has increased the load on the server CPUs. Scaling todays infrastructure cost-effectively requires smart adaptive inline storage processing that offloads the over-burdened server CPU in the datacenter. In this keynote, we highlight how our adaptable, extensible and high-performance storage platform lays the groundwork for computational storage for the data-centric era. The platform leverages Xilinx state-of-the-art IP portfolio and industry-leading tools. We showcase customer products across a range of applications such as data analytics and video processing that are making this vision of computational storage a reality.

BIOGRAPHY

Manish Muthal is VP Data Center for Xilinx, the leading producer of programmable logic devices. He is responsible for driving Xilinx‚Äôs Data Center business with Hyperscale, HPC, and Enterprise customers across emerging applications such as machine learning, databases, big data analytics, video transcoding, and storage/network acceleration. A frequent speaker at industry conferences like Supercomputing and Linley Cloud Conference, Manish has worked extensively with leading-edge storage vendors to enable industry-leading storage acceleration solutions. He was previously VP Product Marketing at Broadcom, responsible for multi-core processors for communications, storage, and server applications. Before joining Broadcom, he was VP Strategic Planning, Marketing and Architecture at Seagate and LSI, responsible for flash product strategy and business execution. He has extensive business strategy, marketing, and technology domain experience across compute, networking, and storage within hyperscale datacenters, enterprise datacenters, and carrier infrastructure. Manish earned a MS in Computer Engineering from UC Santa Barbara, and a BE in Electronics and Telecommunications from the Visvesvaraya National Institute of Technology, India.