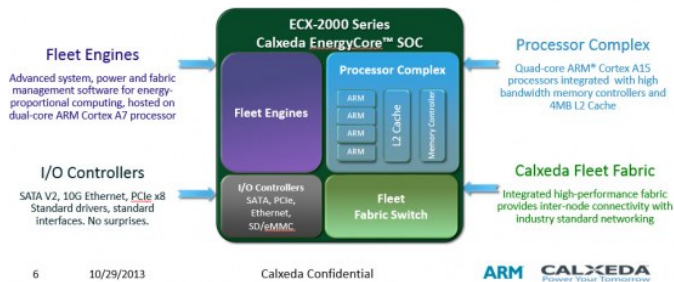# Calxeda Intros Fabric-Based Cloud Platform

Written by Marco Attard

31 October 2013

Server-class processor maker Calxeda launches the EnergyCore ECX-2000-- an ARM Cortex-A15-based SoC with integrated Calxeda Fleet Fabric, 10Gb ethernet and standard I/O controllers.

The chip is designed for I/O-intensive applications such as distributed storage, cloud-based gaming services,media streaming and throughput-oriented private clouds, with up to x2 the performance, x4 the memory capacity and x3 the memory bandwidth of previous ARM-based servers from the company.

Solution builders already supporting the SoC include HP, Aaeon, Boston and Penguin Computing.

According to Calxeda the ECX-2000 also enables the first production-class ARM-based cloud infrastructure, and is the first to support the KVM and Xen hypervisors. Also in the works is Ubuntu 13.10 certfication, including the latest "Havana" OpenStack release, from Canonical.

In other Calxeda announcements the company reveals a second 64-bit SoC roadmap addition-- the "Sarita" 64-bit Cortex-A57 SoC, the first to be pin-compatible with the ECX-1000 and EXC-2000 allowing for easier and lower-cost future proofing.

The EXC-2000 is currently in sampling stage, and Calxeda expects to start shipping by end 2013.

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Go [Calxeda Announces New Fabric-Based Platform for Clouds](#)