ARM64 AND ATOM

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ARM64

Two HP Moonshot systems are available for us

Princeton (US) - 6 cart., non-operational (requires $2500 switch to connect the machine to the network)
CERN (CH) - 15 cart., operational

No preferred Linux distro (RHEL/CentOS/Fedora)

Ubuntu 12.04 powered with non-upstream patches to kernel **(bad)**
Big push for Fedora 21 with limited success (Mellanox Ethernet is not working)
HP Moonshot Program Managers (US and EU) are up-to-date on the issue
Liviu created official support ticket for HP (required by HP)
Mellanox ticket was created also (reply received today)
APM informed about the issues

ARM64: WHAT'S NEW?

Red Hat approves CERN (ISV) to **ARM Partner Early Access Program**

CERN provided RH with modified NDA, awaiting reply from RH now
Potentially provides as access to non-public software without depending on vendors (e.g., HP)

Fedora does not have a great interest in enterprise product support, but they have also two HP Moonshot systems for their build farm

CentOS received a gift from APM -- APM Mustang

Very early steps with no booting system yet

ATOM C2758 CLUSTER

We again have access to 24 node cluster until 20th April

Intel Atom C2758 – 2.4 GHz 8 Core

20W TDP, 4MB Cache

16GB DDR3 (4x4GB) at 1600MHz

Seagate Constellation.ES 500GB SATA Drive

Red Hat Enterprise Linux 6.4

I asked Liviu to test HP Moonshot with ParFullCMS running on all nodes (not yet done)

Q & A

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