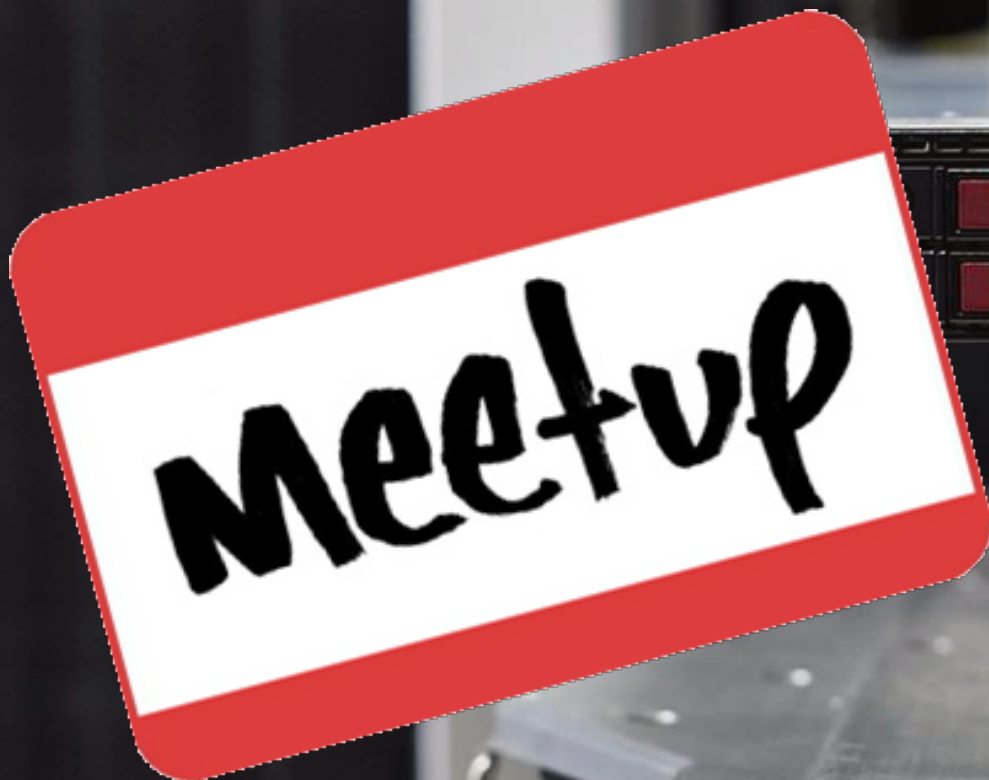




**Hewlett Packard
Enterprise**

OpenStack and Open Compute



Houston OpenStack MeetUp Jan 2016

January 2016

**Dexter Fryar – Hyperscale Engineering Program Manager
Shahzada Sufyan (Sufy) – Product Management**



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Outline

About me

Intro to OpenStack & Open Compute

Industry Trends

Devstack Demo on OCP hardware



Hewlett Packard Enterprise

About me

- 15+ years at HP in systems software engineering roles
- Worked on internal and external embedded storage subsystems
- Heterogeneous solutions engineering
- Joined HP OpenStack engineering in 2011
- Worked on several OpenStack foundation service projects
metering and billing, ceilometer, monitoring
- Currently in Hyperscale Engineering



About me



Sufyan Shahzada is Group manager, HP Servers at Hewlett-Packard Enterprise

In his role, Sufyan leads the product management and Sales Enablement of HP Server solutions for Service Providers.

Most recently in his role, Sufyan led the product management for HPSD MSA Storage Arrays, Disk Enclosures and Storage Networking Switches.

Sufyan has over 20 years of technology industry experience and has held a variety of management positions in product management and business development at Hewlett-Packard in the US and in India.

Sufyan holds a B Tech degree in Electronics and Telecommunication.



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Intro

- **OpenStack Distros vs. Roll Your Own**
- **Automation CI/CD**
- **OCP Hardware**
- **Scale out solutions**



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Open Infrastructure for Service Providers

HP Cloudline - open and cost-focused platforms for web scale

Rack scale systems

Full, rack scale platforms optimized for the **largest cloud datacenters** and built on **open industry standards**



OPEN
Compute Project

Dense multinode servers

Innovative, **density optimized platforms** for 2P, 1P and SoC designs to deliver superior efficiency and **lowest per node cost**



Bare iron rack servers

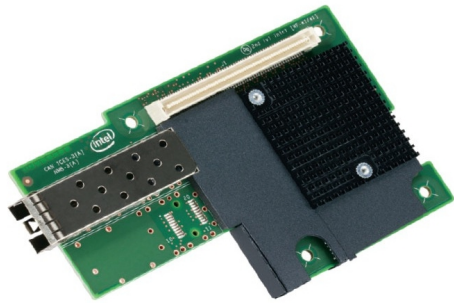
New, lowest cost rack mount servers in the HP portfolio that are **cost optimized for large-scale deployments**





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OCP Hardware



OCP Network Adapter

OCP Compute Sleds



HPE Cloudline CL1100



HPE Cloudline CL2100



HPE Cloudline CL2200



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CL7100 Open Rack



Processor	2x Intel Xeon E5-2600 v3 up to 120W
Chipset	Intel C610 PCH
Memory	16x DDR4 DIMM slots @ up to 2133 MHz
Network Module	1x 1GbE embedded NIC 10GbE SFP + NIC via Mezz
IO Expansion	(2) PCIe 3.0 LP (1 x8, 1 x16) (1) OCP 10GbE Mezzanine
Drive Support	Up to 6 SFF NHP SAS/SATA (1) M.2 NGFF module
Management	ASPEED 2400, IPMI 2.0, KVM Support
Power	12KW power shelf, single zone
Chassis	21" Chassis

Q&A



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OPEN
Compute Project



Thank you

dex@hpe.com

<https://github.com/dlfryar/meetups.git>
<https://github.com/dlfryar/meetups/tree/master/2016/01/openstack-houston>





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