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Enterprise**

OpenStack and Open Compute



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Outline

About me

Intro to OpenStack & Open Compute

Industry Trends

Devstack Demo on OCP hardware



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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



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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

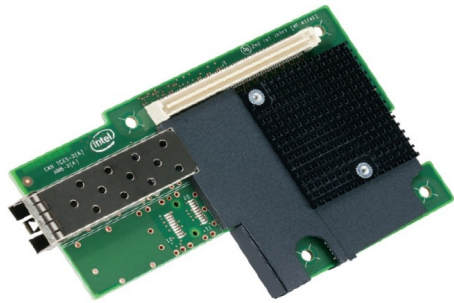
New, lowest cost rack mount servers in the HP portfolio that are **cost optimized for large-scale deployments**





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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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Thank you

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