Microsoft Project Olympus
v1.0 Contribution
OCP/DCD Nov 8, 2017

Mark Shaw
Director Hardware Engineering
Microsoft Cloud + Enterprise
## PROJECT OLYMPUS – OPEN SOURCE HARDWARE

<table>
<thead>
<tr>
<th>Next-gen Cloud Hardware</th>
<th>Development Model</th>
<th>Industry Ecosystem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open sourcing leading edge Hyperscale cloud hardware currently under development at Microsoft</td>
<td>New collaboration model with OCP community – co-develop open hardware at cloud speed</td>
<td>Bootstrap a vibrant ecosystem in OCP for the next generation of datacenter hardware</td>
</tr>
</tbody>
</table>

Fv2 VMs are now available, the fastest VMs on Azure

Posted on October 23, 2017

Corey Sanders, Director of Compute, Azure
Project Olympus | Ecosystem Partners

Compute
- intel
- AMD
- QUALCOMM
- Cavium
- NVIDIA

Components
- BROADCOM
- Texas Instruments
- HARTING
- Schneider Electric
- flex
- Hynix
- Marvell

Solutions
- Artesyn
- Mellanox Technologies
- LITEON
- GEIST
- Ingrasys
- SAMSUNG
- Rittal

Announcing Commercial Product Availability
PROJECT OLYMPUS SERVER SETS THE STANDARD

Intel® Xeon® Scalable Platform

- DDR4 memory
- 24 DIMM slots
- GbE Redfish Management
- NCSI, KVM, OCP mezz enabled
- Up to 16 M.2 CloudSSD
- 3 PCI-E x16 FHHL slots
ECOSYSTEM MOTHERBOARDS

PROJECT OLYMPUS SERVER BUILT BY THE ECOSYSTEM

- **AMD EPYC**
- **ECOSYSTEM**

**Features:**
- 3 PCI-E x16 FHHL slots
- DDR4 memory 32 DIMM slots
- GbE Redfish Management
- NCSI, KVM, OCP mezz enabled
- Up to 16 M.2 CloudSSD
- NCSI, KVM, OCP mezz enabled
ECOSYSTEM
MOTHERBOARDS

ARM SERVERS

Qualcomm

CAVIUM
19” EIA RACK
POWER & MANAGEMENT

NO-FRILLS HIGH CAPACITY RACKS

Universal Power Cord
Management
Expansion Chassis Spec Contributions

DX-88 DISK EXPANSION
- 88 Hot-Swap Hard Disk Drives

FX-16 FLASH EXPANSION
- 16 Flash Modules
  - 256+TB

HGX-1 GPU EXPANSION
- 8 NVLINK ENABLED GPUS
HOW TO DOWNLOAD

COMMUNITY PARTICIPATION

Commercial Product Availability from wiwynn and zt Systems

http://www.opencompute.org/wiki/Server/ProjectOlympus

http://www.opencompute.org/wiki/Server/ProjectOlympus/Project_Cerberus