

March 20-21 2018SUMMIT San Jose, CA



Next Generation Cloud Infrastructure in the Age of Al Wiwynn OCP/Project Olympus, RSD **Enabled Hardware, and Cluster Manager on OCP 12/48v Racks** Ethan Yang / Deputy Manager / Wiwynn







OCP Ecosystem Grows into an Age of Al

DEMANDS

Fundamental Demands For Various Applications

OPEN. FOR BUSINESS.

APPLICATIONS

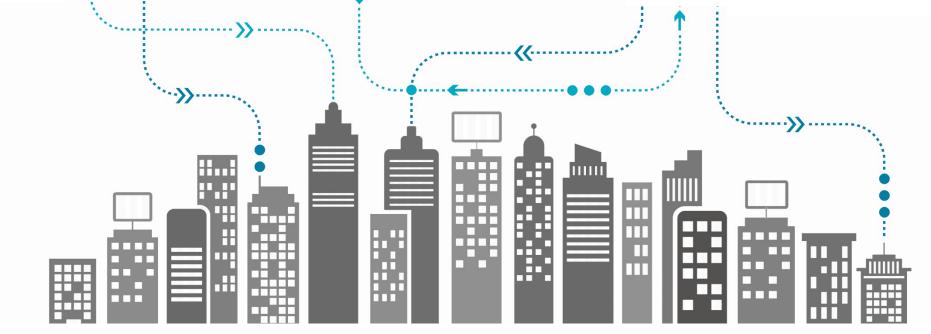
Various Evolving Applications

INFRASTRUCTURES

Building Blocks and IT Gears on Advanced Technologies

C P MMIT

Wiwynn Updates 3 Cloud Infrastructures





OCP Rack Infrastructure

Project Olympus Infrastructure

INFRASTRUCTURES

Building Blocks and IT Gears on Advanced Technologies



Compute Accelerator



Updated Building Blocks of the Infrastructures





OCP Rack Infrastructure



Tioga Pass (SV7220G3)

Yosemite V2 (SV7100G2)

Bryce Canyon (ST7000G2)

Project Olympus Infrastructure



Compute Accelerator

Project Olympus **Compute Server** (SV5100G3)



Project Olympus All-Flash Storage (ST5100)



Dr.Know G1 (XC200)



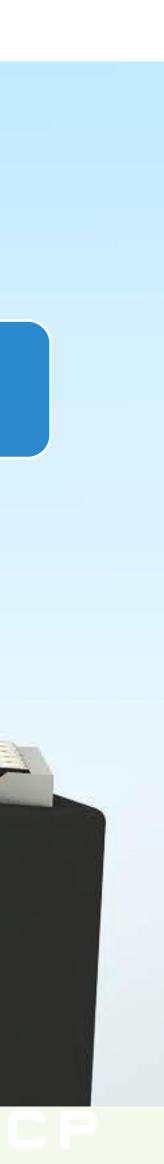
Dr.Know G2 (XC200G2)





Wiwynn Booth Visualization





Live Demo of 48V 2 stage solutions

🖶 🖅 🗖 MegaRAC SP-X	\times + \sim
\leftarrow \rightarrow O \Leftrightarrow 8	7 馮證錯誤 10.34.135.29/#sensors/52
MEGARAC SP-X	
Firmware Information 1.00.0 Mar 16 2018 01:32:12 CST Host Online	Sensor detail All information about this sensor
Quick Links	MB_DC_IN_VOLT Sensor Information
🖀 Dashboard	49.35
🚯 Sensor	39.48 -
FRU Information	29.61 -
네 Logs & Reports >	¥ 5 19.74 −
Settings	
Remote Control	9.87 -
Image Redirection	0.00 0909413740 09:15:09 09:15:38 09:16:09 09:16:36
U Power Control	Time (HH:MM:SS)
🖋 Maintenance	□ Sensor Events
🕞 Sign out	0

	Z A (BIOS 🗳 Sync 😂 Refresh 💄 admin
		Home > Sensor Reading > Sensor d
		•
• • • • • •	48.	.47 Volts
	Upper Non-Recoverable	NA
	Upper Critical	52.91 Volts
	Upper Non-Critical	NA
	Lower Non-Critical	NA
	Lower Critical	42.92 Volts
	Lower Non-Recoverable	NA
		Change Thresholds
09:17:11 09:17:37		



FEREIVA DUSINLSS.

C P MMIT

The First PCIe 4.0 Disaggregated Compute Accelerator for AI and HPC Wiwynn XC200G2 (4U16B Compute Accelerator) 40 HOST CONNECTIONS Support 1, 2, 4 hosts

EEOPS

GPGPU / FPGA Up to 16 PCIe 4.0 Slots 5

16x



By Single-precision floating-point

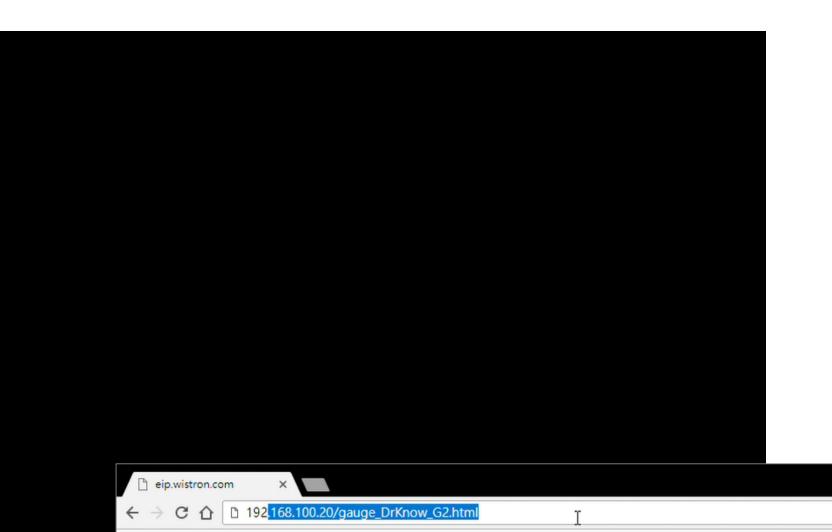
Efficient Thermal Solutions



Live Demo of PCIe Gen4

[root@localhost html]#

OPEN. FOR BUS





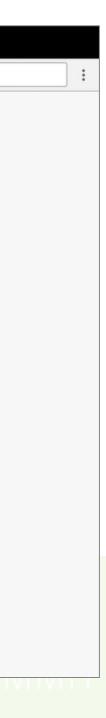
無法連上網際網路

建議做法:

- 檢查網路線、數據機和路由器
- 重新連線至 Wi-Fi 網路
- 執行 Windows 網路診斷

DNS_PROBE_FINISHED_NO_INTERNET







28 GB/s

DENSITY 24_{B} 16Bays in 1U space

IOPS >5 Millions

The Best Disaggregated Storage for Storage and Data-Intensive Applications Wiwynn ST5100 (1U16B NVMe JBOF)

THROUGHPUT by 128K Sequential Read

by 4K Random Read

500w

POWER CONSUM



RSD Enabled Building Blocks

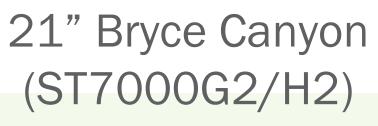














21" Lightning (ST7200/H)

21" Tioga Pass (SV7220G3/H3)



RSD Enabled



Interoperability





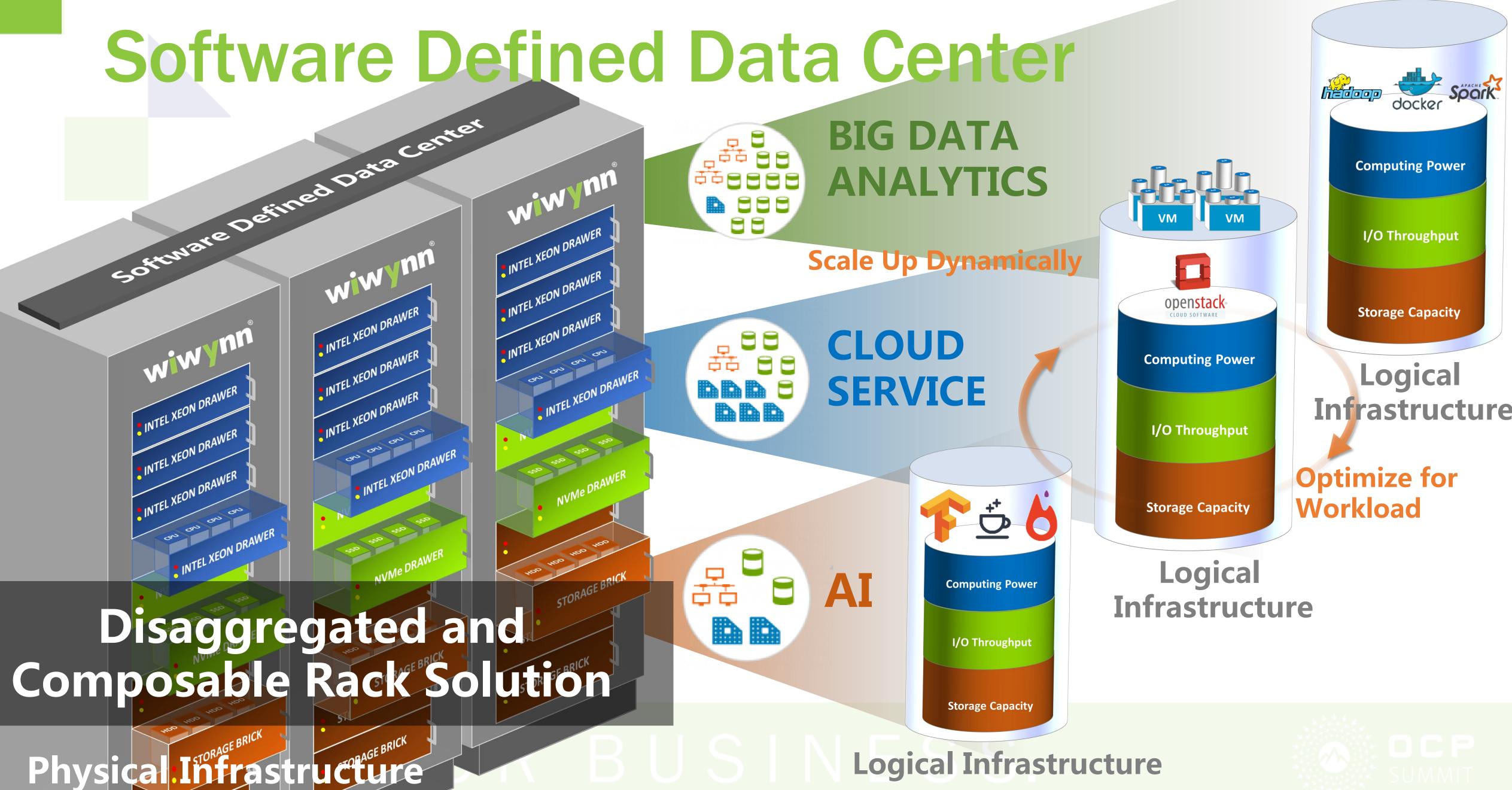


19" Multi-purpose Server (ST300G3)

19" Compute Accelerator (XC200G2)



Disaggregated and





Fundamental Demands in the Age of Al



OCP U.S. SUMMIT 2018 March 20-21 | San Jose, CA















Sunlai Chang, Senior VP and CTO, Wiwynn





