

### **DCP** FUTURE TECHNOLOGIES SYMPOSIUM

#### OCP Global Summit October 18, 2023 | San Jose, CA



### The Future of AI/ML Innovation Is Row-Scale Disaggregation

Presented by Matthew Williams, CTO, Rockport Networks – Now Cerio

Scaling Innovation Through Collaboration!



OCTOBER 17-19, 2023 SAN JOSE, CA



### Traditional Systems – GPU "Capacity Trap"

- Acceleration and memory are key for AI/ML innovation, growth and profitability
- Decades-old monolithic system model traps GPUs and other resources inside servers
- The Problem: Closed ecosystems, low GPU utilization, and operational complexity at scale





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### **Open Systems – GPU Disaggregation**





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### **Open Systems – GPU Disaggregation**



Device Pool (100s)



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### **Open Systems Platform**





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### **Full PCIe Gen 5 Compatibility**

OCP

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## **Disaggregated GPU Capacity/Cost Value**

#### **Performance per Dollar**

- 53% lower cost per GPU than highly dense specialized servers
- 50% more GPUs at 34% lower cost than highly dense specialized servers
- Eliminates stranded assets and maximizes GPU efficiency





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# Learn more about the Cerio open systems platform

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2023



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