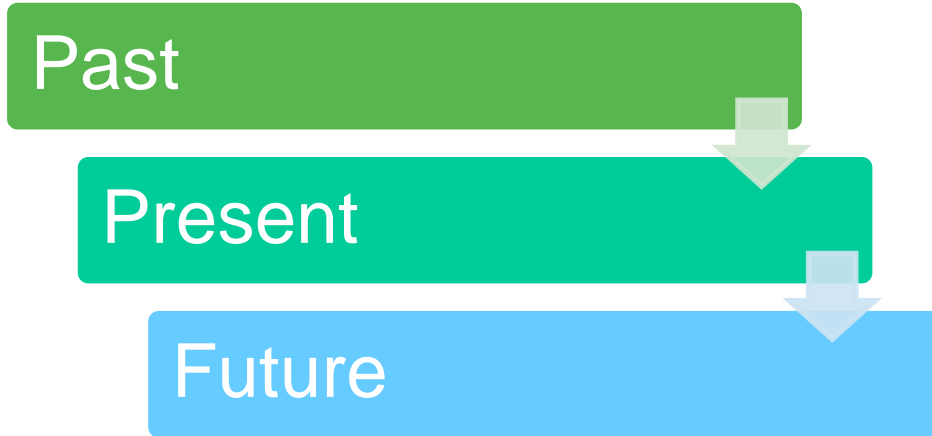


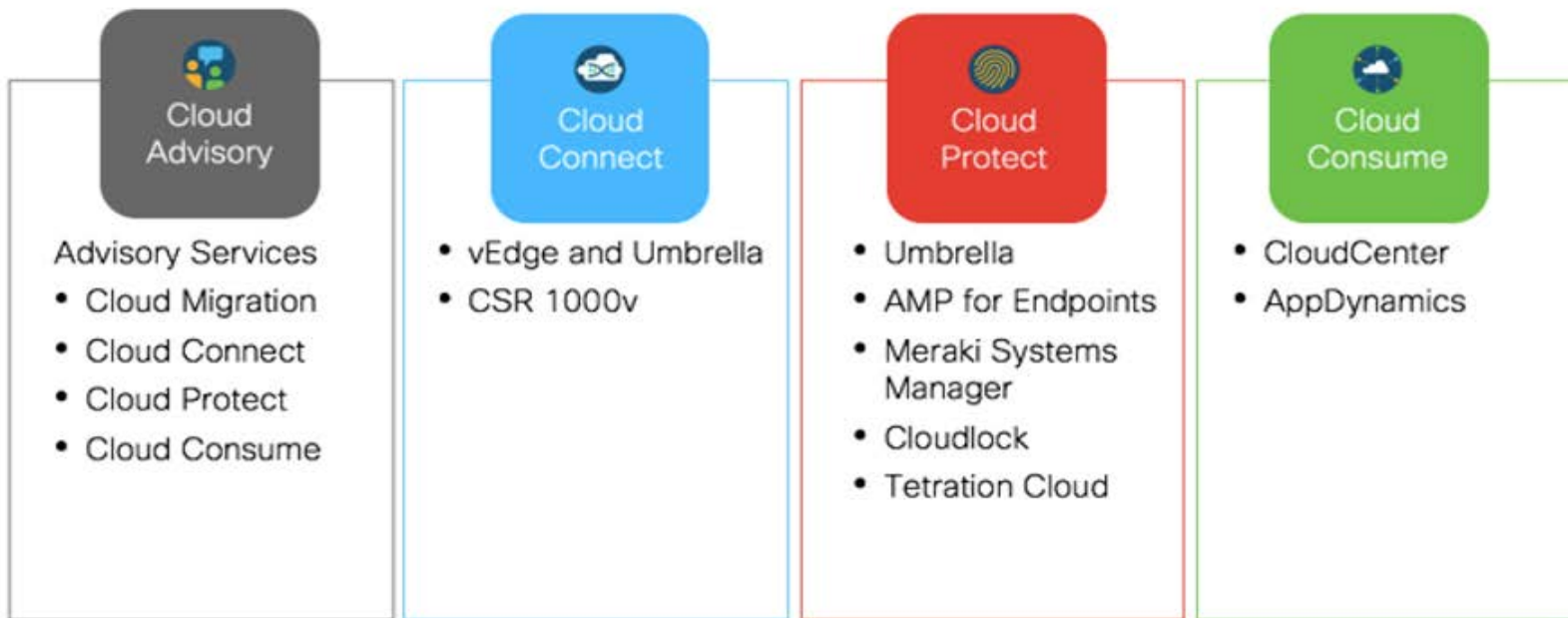
Mass Open Cloud (MOC) Support

October 2018 workshop

Agenda



Cisco Multi-cloud Portfolio



Past

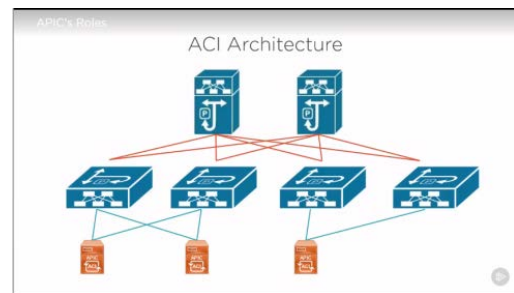
- Participating member 2016
- Sponsored by Cisco Cloud CTO and CTAO (Research Office)
- Donated equipment (UCS blade servers)
- 3 year commitment on funding

Cisco Unified Computing System (UCS)
Blade Server



Present

- Renewed commitment 3 year with additional funding
- U.S. Public Sector Research and Education
- Additional hardware (UCS rack servers and N9K w/ ACI)
- Sustainable services ([compliant storage](#), cloud management, workload automation, and cyber platform)



Services

Zadara

- Enterprise quality, resilient, **compliant**, highly available, consistent performance storage
- Consumed as a Service - flexible, dynamic and billable
- Scale out - grow to hundreds of Storage Nodes, thousands of drives and multi-Petabyte Storage
- True Multi-tenancy - End-user controlled privacy and security.
- Universal Storage - Supports all data services on one common infrastructure: Block, File, Object



Cloud Center



- Enforce **multi-cloud governance** by guiding user decisions to reduce risk
- Securely **automate deployment** to reduce manual effort and get consistent results
- Increase feature velocity via integration with developer tools to accelerate time to market
- Optimize cloud consumption to cut pay-per-use cloud costs



Services

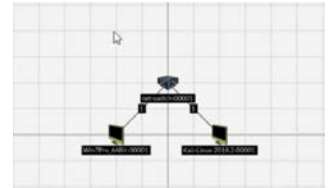
Workload Optimization

- Designed for virtualized on-premise and public cloud infrastructures
- Supports multiple hypervisors, containers and cloud platforms
- Delivers elastic infrastructure at scale without disrupting workload performance
- Proactive scaling of resources before performance degradation occurs
- 1, 3, and 5 year subscriptions with per workload (VM) tiered pricing



Cyber range as a service

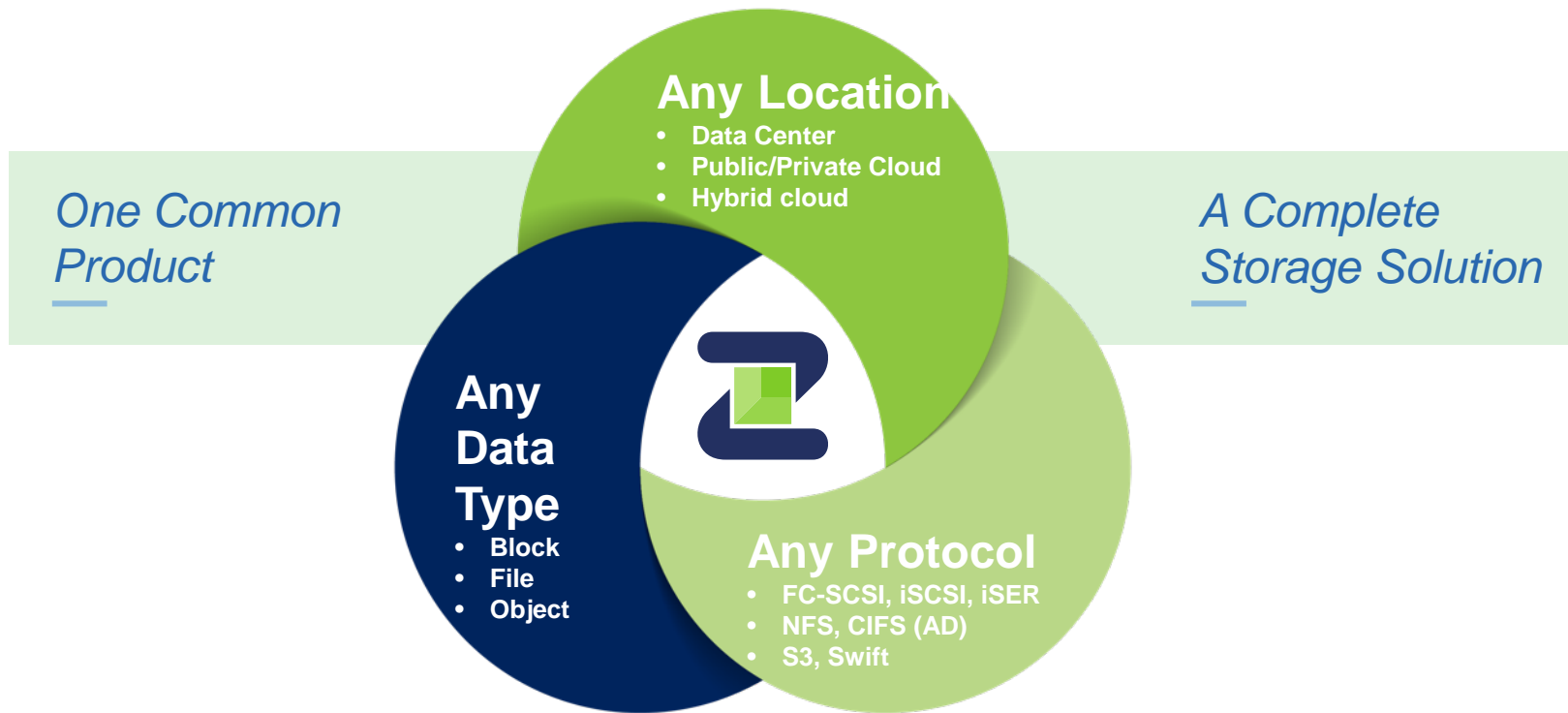
- Quickly and easily build an exact copy of any IT infrastructure
- Ability to re-use, share, and scale
- Ability to bridge physical and virtual environments
- INCS-CoE Capture the Flag Competition (11/1/2018)
- Members – Keio University, MIT, Harvard, Northeastern, Oxford University, Stanford, etc.
- <https://ctf2018.hypercube.io>



Zadara – One Product, One Solution

- ✓ Elastic, scalable arrays in the public cloud and on-premises
- ✓ Provision as much and as many as you need, only pay for what you use
- ✓ All protocols and security included, AES 256 Encryption
- ✓ 100% Isolation between users and use cases
- ✓ Fully Managed with Backup, snapshots and DR built-in
- ✓ SSD Performance, SATA pricing to align with use cases
- ✓ HA with 99.999% Availability
- ✓ Hardware refreshes for **OPaaS** (Storage Immortality) with no downtime or added cost
- ✓ Competitive Pricing

Universal Storage that Evolves with your Business



Future

- **AppDynamics** - managing the **performance and availability** of applications across cloud computing environments
- **Tetration** - holistic **workload protection** for multi-cloud data centers by enabling a zero-trust model using segmentation.
- **Kinetics IoT Platform** - **extract, normalize, and securely move** data from those devices to distributed applications (i.e., Transportation, Cities, Retail, etc.)



Cisco Tetration Analytics™
Real-time Network Analytics for Your Data Center





CISCO

TOMORROW starts here.