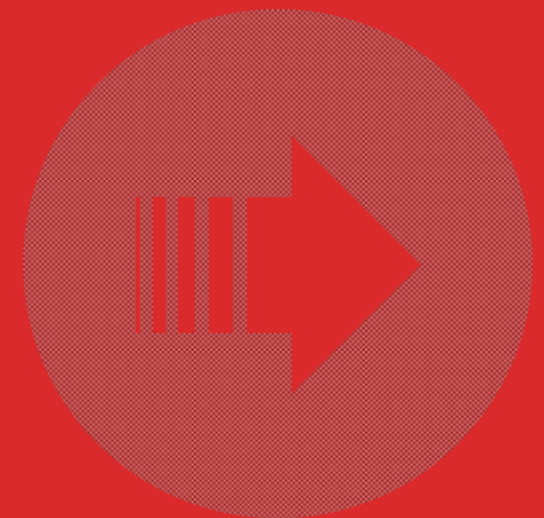


Converged Cloud Infrastructures Meet SSDs: Inspired Architecture, Increased Speeds, Lowered Costs



PRESENTED BY : Christopher Aedo, Sr. Director of Technical Operations

Company Profile at a Glance

Headquartered in Los Angeles

- Venture Funded
- 55 Employees
- Operations in Japan, Philippines and Singapore
- US Operations established in 2009

Founded by successful Open Source Entrepreneurs

- Apache Geronimo > IBM Websphere
- Apache ActiveMQ > Progress Software

Deployments in the US and Asia

OpenStack Foundation Founding Member

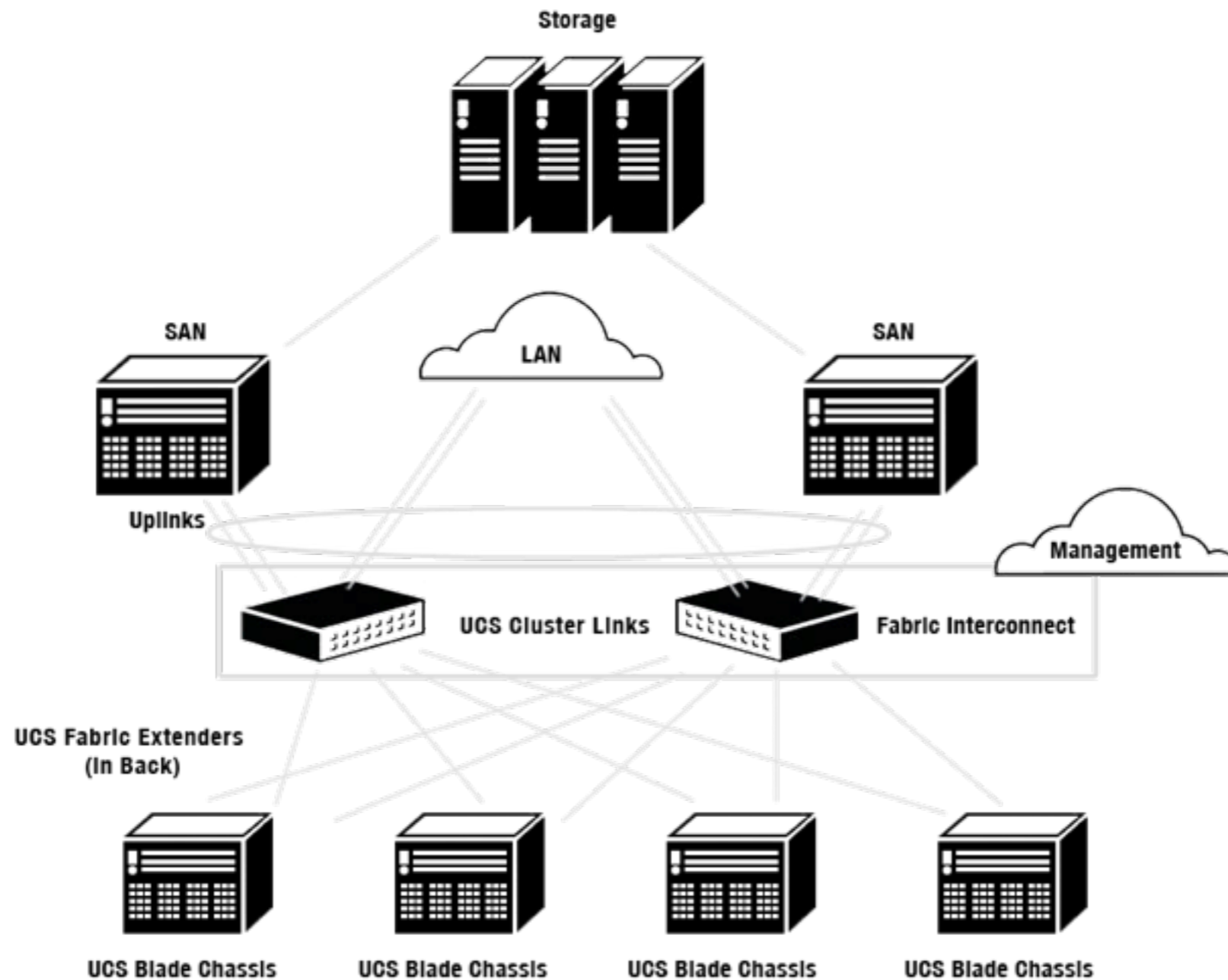


Current Private Cloud Platform is Ripe for Disruption

Extensive
Use of SAN

Complex
Networks

Dense
Blades



>\$1500 / VM

Specialized
Skill Set

Fixed
Capacity

Modern Architecture Will Enable Broad Adoption

HyperScale Computing



Redefine Price Performance

~\$500/VM and ~\$1300/TB

Modular Storage Nodes



Lowers the Entry Footprint

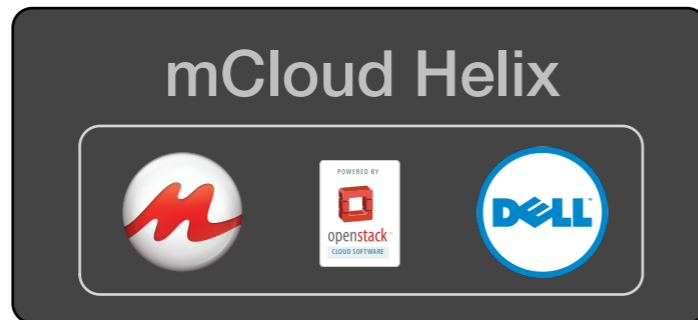
Complete Infrastructure ~\$75k



Enables Virtual Private Cloud Outsourcing

Scalable - "Share Nothing" IaaS

mCloud Helix Basics



The most compact and efficient form of converged infrastructure imaginable - power dense and energy efficient

Overview

- OpenStack Base
- 80 vCPUs (100% SSD)
- 3TB ZFS Storage
- Fully Integrated

System Specs:

- 60 Intel CPU cores
- 224 GB RAM
- 4928 GB SSD capacity
- **800 Watt power**
- 2 RU footprint

Target Workloads

Enterprise Dev and Test Environments

- Strong IP constraints
- Infrastructure Performance = Dev Productivity
- Rapid time to market -> Dramatic cycle time improvement

HPC Environments

- Programatic execution of queued workload
- High IOPs requirement for 3D and image processing
- Multi-Volume connection

Web Facing Applications

- Compliance Requirements (Healthcare, Financial Services, Media)
- Rapid Scaling Requirement
- DevOps Automation

Thank You!

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