Future of **Cloud Storage**

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Cloud will **Commoditize** Storage

Simple | Scalable | Low Cost

- Virtualized
- Multi-Tenant
- Automated
- Commoditized
- Scale on Demand
- In the Cloud
- Scale Out
- Open Source
Simplification

- FC, FCoE, iSCSI → HTTP, Sockets
- OS Kernel → Python & Java in User Space
- Appliance based → Application based
Scale-up Proprietary → Scale-out Commodity
Open Source will Dominate

- Gluster, Apache Hadoop / Cassandra, OpenStack, MongoDB, CouchDB
- LAMP like model will emerge
Data Storage Models

- Objects
- File
- Block

- Structured Data
- NoSQL
- Semi-Structured Data
Cloud Storage

Public vs Private vs Hybrid

- Object based
- SAAS / Web Apps
- File / Block based
- Enterprise Apps
Unified Storage Architecture

- Unified Object, File and Big Data – Multi-protocol Access
- Unified Public and Private Cloud – Geographic Replication
- ESRI Enterprise GIS Software – Gluster AWS Case Study
What is **Gluster** really?

- Distributed Storage System
- No Meta-data Model
- Stackable, User-space Design
- POSIX, Objects, BigData
What can Gluster store?

- Files and Folders – Documents, Photos, Video
- Virtual Machine Filesystem – VM Disk Images
- Big Data – Log Files, RFID Data
- Objects – Long Tail Data
Gluster Production Deployments
Gluster Community Deployments
Thank You

Join our community at http://www.gluster.org