

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 → Scale-out
Proprietary 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

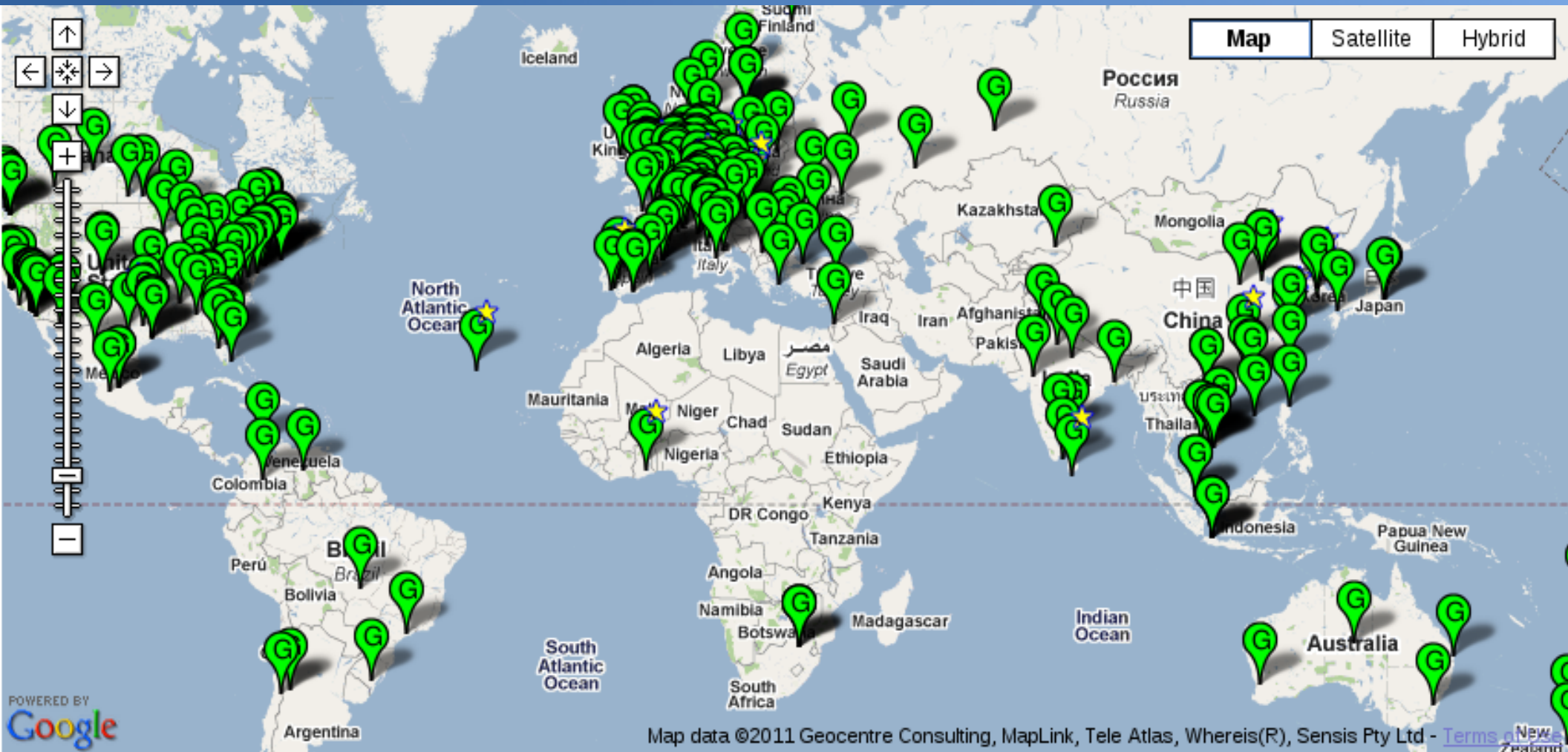
What can Gluster store?

- **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>