



# SCALITY

## Scality RING

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Software Defined Storage at Petabyte Scale

# Scality Company and R&D Intro

- Founded 2009
  - Core product Scality RING shipped in 2010
  - San Francisco (HQ), Washington DC, Boston (R&D), Paris (R&D), Tokyo, Singapore
- 70+ large production deployments
  - Orange – public/private clouds
  - Comcast, Telenet, Cox & TWC – consumer email
  - Dailymotion – cloud video streaming
  - RTL – content distribution
- 140+ employees and growing
- Privately held by Menlo Ventures, Iris, Idinvest, Omnes, BPI, Galileo
- 300% revenue growth in 2014
- Paris, France Development Center
  - Core RING & Connector development
  - Dedicated OpenStack development team
- New: Boston, MA Development Center
  - Peer to Paris Team – initial focus on file system
- Dedicated Research Team
  - Currently 5 PhD level research staff
  - Close collaboration with INRIA
  - Research Topics & Patents in: Multi-Site Geo-Distributed File Systems, Geo-Distributed REST, SMR & IP Drives, Scaling without data rebalancing, RDMA & RoCE, Paxos & DRLM

# Four Key Market Drivers for Software Defined Storage

Traditional SAN & NAS designed for terabytes, not petabytes

**Data growth continues**

**Data silos remain**

Traditional storage designed to create silos of workloads, apps, departments, and sites

Traditional storage designed for maintenance windows and immediate parts

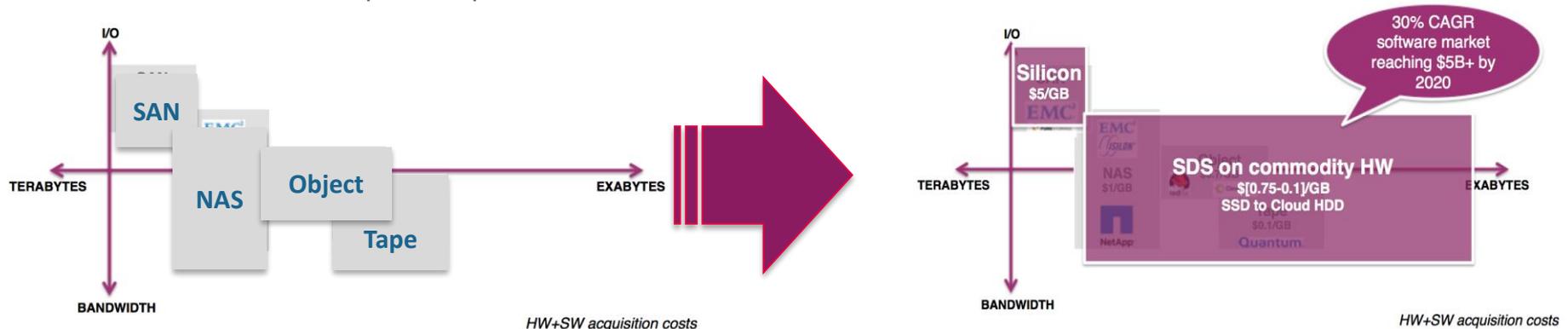
**Users expect “always on”**

**CFOs expect cloud economics**

Traditional storage appliances are inflexible and too expensive

# How Does SDS change the landscape?

- A small set of “hot edge / Tier1” applications require purpose-built “high IOPS” storage
  - Transaction processing, real-time analytics & end-user computing “boot storms” - require low-latency, SSD based storage (“all flash”) arrays
- A relatively larger set of Tier2 / Tier3 applications are more capacity-centric, scaling into 100’s Petabytes+
  - Media, scientific, simulations, big data, logs, archives, compliance instead require capacity-optimized storage
  - Convergence of multiple workloads onto a single platform – reduces silos
- SDS decouples the platform
  - Systems that run over multiple vendor & multiple generations of storage servers
  - Reverse auctions for platform procurement



Thank You