

# The New Era of Enterprise Storage How OpEx is Replacing CapEx Storage

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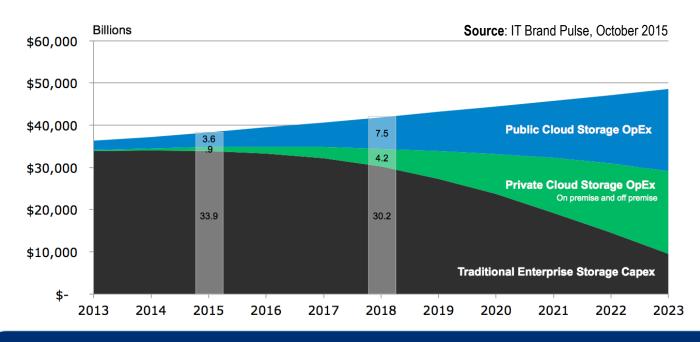


### **Jemory** What is the Problem Statement?

- ✓ I like what my storage array does for me:
  - It's reliable, fast, compatible, configurable
- **X** I don't like what I have to do for it:
  - Big capital expenditures (CapEx)
  - Multi-year planning cycles
  - Over-purchasing to improve cost and scalability
  - Day-to-day maintenance
  - Disruptive updates, hot-fixes, and upgrades
  - Painful migrations every few years



# 10 Year Storage Revenue Forecast



By 2023, 80% of storage spending will be OpEx.



# Flash Memory Universal Storage that Evolves with you

# Any Location - Data Center - Public/Private Cloud - Hybrid Cloud A Complete Storage Solution Any Protocol - File - Object Any Protocol - FC-SCSI, ISCSI, ISER - NFS, CIFS - S3, Swift

One Common Product



# Enterprise Storage... as a Service

# **Enterprise Storage**



as a Service





#### You get to define:

- Controller performance
- Cache amount
- Drive types
- RAID types
- I/Os for databases
- Low latency for OLTP apps

#### With support for:

- Block, file and Object Storage
- High Availability, BC, DR
- Clusters

Flash Memory Summit 2016 Santa Clara, CA

#### With the benefits of:

- 100% OpEx
- Elastic in all directions
- Easily modified
- Multi-tenant environment,
   Single-tenant experience
- Performance isolation
- No up-front costs
- Short Commitments:
  - 1 hour Cloud / Co-lo
  - 6 month On-premise



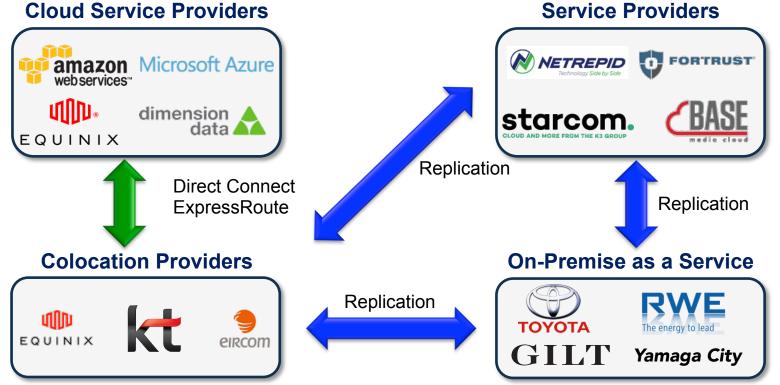


## Memory Market-Leading Enterprise Storage Features

- ✓ File, Block, Object storage
- ✓ NFS, CIFS (Active Directory), Fibre Channel, iSCSI, iSER, S3, Swift
- ✓ Snapshots, Replication, Mirroring, Online Volume Migration
- ✓ Large Volume Sizes (100TB)
- ✓ At-Rest and In-Flight Data Encryption (user owns keys)
- ✓ Cluster Support
- ✓ Thin provisioned volumes
- ✓ Large SSD cache options
- ✓ Non-Disruptive Upgrades
- √ 100% RESTful API coverage



# Memory Zadara Storage Cloud – Any Location





# Flash Memory VPSA Provisioning

Select your Public Cloud / **Colo Provider** Create New VPSA Storage Array **VPSA Name** VPSA Name **VPSA Description** VPSA Description Select Cloud Provider Microsoft Azure amazon O OMEGABYTE EQUINIX FORTRUST
premium data center services orixcom dimension A Objective Ventures

Per hour costs calculated based on configuration choices





# Flash Memory Success Story – Gilt (Online Retailer)

- Challenge Store online images
- Solution Zadara Hybrid Storage
- Results
  - Reduced storage costs by 85%
  - Accelerated new capacity deployment from days to minutes
  - Able to redeploy people from mundane storage management to strategic, high value activities





# Flash Memory Success Story – Lawter (Manufacturer)

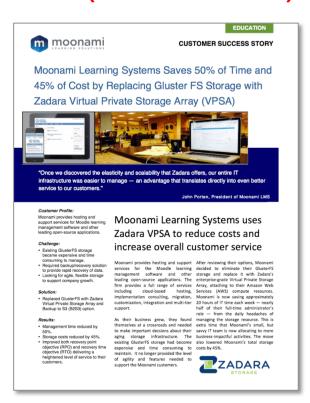
- Challenge CapEx to OpEx
- Solution Zadara OPaaS Storage
- Results
  - Tripled performance
  - Addressed scalability concerns and simplified management
  - Moved from a CapEx model to a pure pay-as-you-go OpEx model





# Flash Memory Success Story – Moonami (Education)

- Challenge Replace CapEx Storage
- Solution Zadara AWS Cloud, B2S3
- Results
  - Management time reduced by 50%
  - Storage costs reduced by 45%
  - Improved both RPO and RTO delivering a heightened level of service to their customers





# Flash Memory Success Story – Netrepid (IT Services)

- Challenge Agility and Scalability
- Solution Zadara OPaaS Storage
- Results
  - Pure OpEx pay-as-you-go solution
  - Resource isolation enables predictable performance and greater security
  - Able to deploy storage nodes in minutes rather than weeks
  - Reduced hardware footprint by 81%
  - Improved performance by 80%







## **THANK YOU**



