

#### The Leader in Unified All-Flash Storage



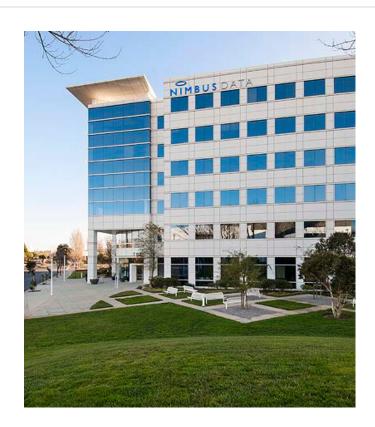


### Leader in all-flash arrays

- Nearly 500 customer installations
- > 72% of revenue from repeat customers
- 1.4 Petabytes of our flash storage at a top 3 web company

# Company operations

- > **Profitable**, on-track for IPO in 2014
- Backed by ex-IBM, HP, and Oracle team
- > 400% + year-over-year growth
- Global support presence





#### Accolades

- #1 ranking by Gartner in unified all-flash arrays amongst startups\*
- #2 ranking by Gartner in SAN-attached all-flash arrays amongst startups\*
- > #1 ranking by IT Brand Pulse in unified all-flash arrays amongst all vendors
- Storage Magazine Two-time Storage "Product of the Year"
- InfoTech Research Trend Setter: Flash Enterprise Storage
- TechCrunch Finalist, Best Bootstrapped Company
- Flash Memory Summit Best Enterprise Implementation of Flash
- > CRV Top 10 Cool Storage Startups
- > Tech Awards Circle Two-time "Product of the Year"





**Databases/OLTP** 

40% of sales

#### **Benefits**

- Reduce IO latency
- Increase total IOps
- Increase revenue



Virtualization/VDI

40% of sales

#### **Benefits**

- Improve VM density
- Eliminate boot storms
- Scale VM performance



**Cloud Computing** 

20% of sales

#### **Benefits**

- Reduce OpEx 90%
- Enhance storage SLA's
- Expand TAM / use cases



### ► 4<sup>th</sup> Generation Gemini All-Flash Arrays

- Unified storage with seamless SAN, NAS, and DAS support
- > Fibre Channel, Ethernet and Infiniband connectivity
- > Fully HA with non-disruptive expansion, updates, hot-swap
- Industry-leading power efficiency, density and performance





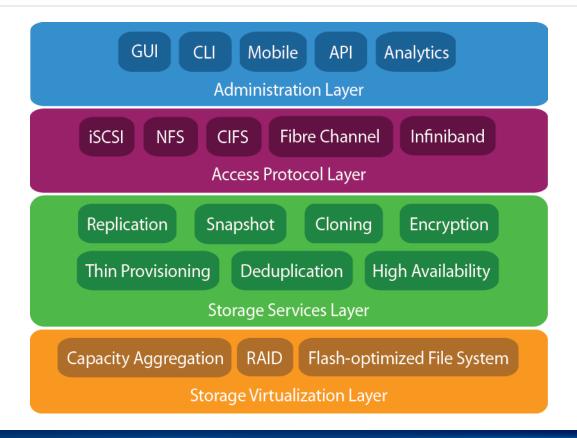


Rear: Dual controllers & power supplies



#### ► HALO software

- Industry's most full-featured software for flash storage arrays
- Unified block and file
- Flash-optimizedPB-scale file system
- Powerful monitoring and reporting features
- All-inclusive license
- 10 minute setup





### Superior 1X nm MLC flash economics

- Intelligent DSP adapts electrical signals as flash ages, minimizing wear
- Always-aligned write operations, even with RAID, maximize endurance
- Analyzes flash health at a cell-level and adapts wear-leveling accordingly
- With data reduction in VM use cases, as low as \$0.78 / usable GB

Nimbus Gemini All-Flash \$0.78 / usable GB

Hybrids \$2-3 / usable GB



#### Ultimate Storage Performance

- Dynamic write management reforms random IO into sequential IO
- 1 Million write IOps (4x gain) and 2 Million read IOps (2x gain)
- $< 50 \,\mu\text{sec} (0.05 \,\text{ms}) \,\text{latency} (2x \,\text{improvement})$
- > All in a 2U package with active-active redundancy

Nimbus Gemini
All-Flash
1 – 2 million IOps

- or -

Others 250-500KIOps



### Ease of Management

- Powerful CLI
- HALO Web GUI
- HALO Mobile GUI
- RESTAPI









## Application Integration

- VMware: vStorage VAAI, auto-SSD detection
- Oracle: DirectNFS, ASM, GoldenGate, Data Guard
- Microsoft: Hyper-V, SQL, Exchange, VSS provider
- Citrix: XenServer/XenDesktop HCL



#### Oracle Databases



- Replaced NetApp top-of-the-line filers
- Leverage Oracle DirectNFS client
- Nimbus delivers 3-5x performance advantage
- 10 GbEwith NFS for DB's larger than 5 TB

@Very large global news service



#### Oracle Acceleration



- Increased Oracle transactions per second by 10x
- Reduced rackspace needs by 75%
- > Replaced 150 spindle high-end FC 15K array
- Less than \$50,000 investment





### Healthcare Business Intelligence

- Average disk latency down 100x
- Cascaded data update transaction time reduced 50x from 10 seconds to 0.2 seconds
- Complex query duration reduced 15x
- Index rebuild times down 30x from hours to minutes







#### SAP Acceleration

- Improved SQL processing from 4 hours to 1 hour
- Cut backups by 83% from 2 hours to 20 minutes
- Improved user experience
- Reduced rackspace needs by 70%



# @Multinational power systems manufacturer



#### Private Cloud

- Reduced provisioning time from 40 to 3 minutes
- Cut power usage 78%
- Reduced rackspace needs by 65%
- Comparable acquisition cost to 15K RPM disk







### Virtual Desktops

- Virtual desktops for liberal arts department
- Previously attempted with 15K rpm disk array
- Decreased boot times by 82%
- Achieved less than \$60 per VDI storage cost







## ► HD Image Acquisition

- > Satellite image acquisition for intelligence
- > Requires 6 GBps throughput per system
- Over 20 Nimbus S-Class systems deployed
- Mission-critical installation: 99.999% uptime





# Raytheon



► Questions?

