Qumulo Overview

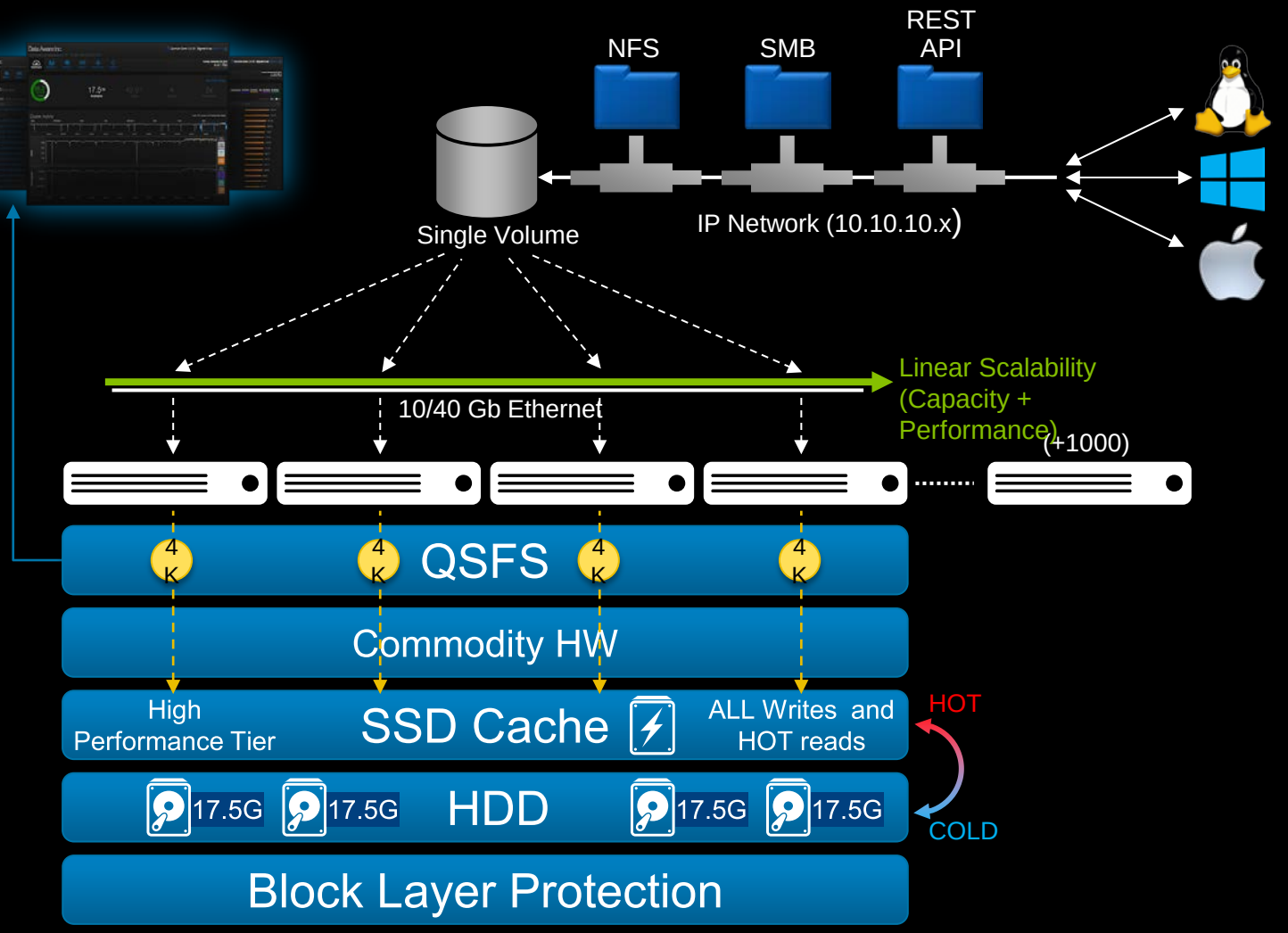
Neal Fachan, Co-Founder & Chief Scientist

Qumulo

About Qumulo

- 4 year-old storage company in Seattle, WA
- Publicly launched March 2015
- Over 80 customers with 50PB+ storage deployed
- Customers range from 96TB to 4PB+ clusters
- Shipped 24 Qumulo Core software releases in 2015
- Qumulo Core 2.0 released April 2016

Qumulo – Data Aware, Scale Out NAS

- Software Only
- Flash-First Hybrid
- Optimized for Large and Small Files
- No Fragmentation
- Reduces Seek on Disk
- 6,4 Erasure Coding
- N-1 +2 Drive Protection
- Rebuilds < Hours
- Embedded, Real-Time Data Analytics
  - Instant Updates
  - No Scans – Who is consuming the most IO?
  - No 3rd Party Tools
  - Accessible via API
  - Capacity – Where is my storage going?
  - File Properties/Ages – What data is old and can be moved?

- SaaS Model
- Biweekly Code Releases
- Optimized for all workloads
- Fully Programmable API
- SSD= IO/HDD=Capacity
- Prioritized Workspace
- Best Use of Flash/Disk
- Not Kernel Bound
- High Density Disk
- Future HW independence
- Best Scale B
- No NVRAM
- All Writes Sequential
- Nothing Proprietary
- HW Pass-thru cost