

SFD10

Exablox

Douglas Brockett, CEO

Company highlights

Funded in 2011

- first scale-out file-on-object storage software to handle multitier storage
- linux based user-space stack, FUSE file system using KB-scale content addressable objects
- storage as a consumable

Former Data Domain, EMC, NetApp, Virident and Veritas employees

*Sean Derrington

Exablox answer - eliminating the guesswork

- complete flexibility to scale-out exactly with the business
- scale performance, capacity and availability
- exactly provision storage resources throughout the lifecycle

Content-addressable object store tightly coupled to a filesystem (SMB/NFS)

[SFD10_Exablox_UniqueArch.jpg]

What's inside a OneBlox Cluster?

Filesystem presented as a service - content addressable objects created from the filesystem

CA-objects are persisted to the distributed CA-object store

ExaBlox provides

- scale-out inline dedupe and compression
- scale-out continuous snapshots
- scale-out RAID-less capacity
- scale-out DR
- bring any drive - one at a time at retail pricing

Data protection

- any 2 drive failures
- any 2 OneBlox
- dynamic copy/recovery

Scale-out clustering

- capacity, performance and resiliency
- dynamic data placement

OneBlox 4312 Appliance (list price just under \$12K)

- 12 x 3.5" HDD Bays
- supports 1TB-8TB drives (up to 96TB RAW)
- SATA and SAS - mic and match
- 2x 10GbE and 2x 1GbE

Re-imagining Storage Management - OneSystem

OneSystem is a cloud-based multi-tenant architecture

- nothing to install for organisations, VARs, and MSPs
- private OneSystem deployment optional for on-premises management

World-class support

- Customer—first culture

Globally manage OneBlox anywhere

- seamless OneBlox software upgrades

7x24 Exablox proactive monitoring

- storage utilisation and analysis

- storage health and alerts

- OneBlox drive health

- Remote replication

Custom Storage Policies and simple scaling

In a scale-out ring for individual applications

- variable or fixed-length deduplication

- compression on/off

- continuous data protection on/off and retention

- remote replication on/off

Simple, scale-out capabilities enable immediate provisioning of storage

[SFD10_Exablox_Multi-siteReplication.jpg]

Currently limited to 7 systems per cluster

Replication is asynchronous

*Sean - OneSystem demonstration

<https://onesystem.exablox.com>

You can do a private version via a VM or docker container

Half of their customers are using for primary storage

Taking backend reporting of performance and presenting that back to customers