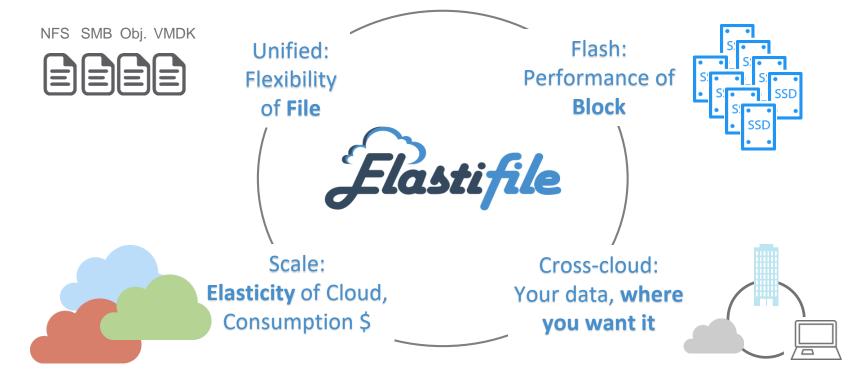


Dave Payne, VP Systems Architecture dave.payne@elastifile.com
November 2016



Vision





Team

Background

- Founded in 2013
- HQ Santa Clara, CA
 R&D in Herzliya, Israel
- >\$50M invested
- 3.5 years stealth development
- GA Q4 2016

Founders

- Shahar Frank, CTO (XtremIO, KVM)
- Roni Luxenburg, R&D (KVM)
- Amir Aharoni, CEO (Mobixell Networks)
- Leadership from EMC, HP, XIV, Anobit...

Server Investors



Storage Investors



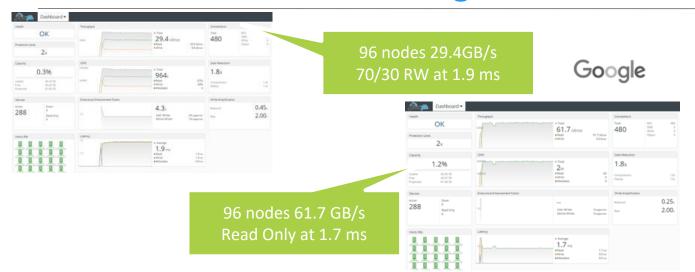
Venture Capital Investors



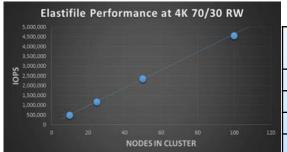




Linear Performance Scaling, mixed workloads



amazon



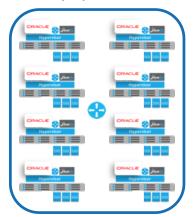
Nodes	IOPS	Latency (msec)
10	0.5M	1.64
25	1.2M	1.73
50	2.4M	1.75
100	4.5M	1.78

From 10 to 100 Hyper-converged nodes, 2 Local SSDs each, 10GbE, NFSv3 connectivity to 100 clients 70/30% R/W 4K Random, 2 way replication and Compression (utilizing only 20% of the Core count and up to 1GB DRAM per TB)

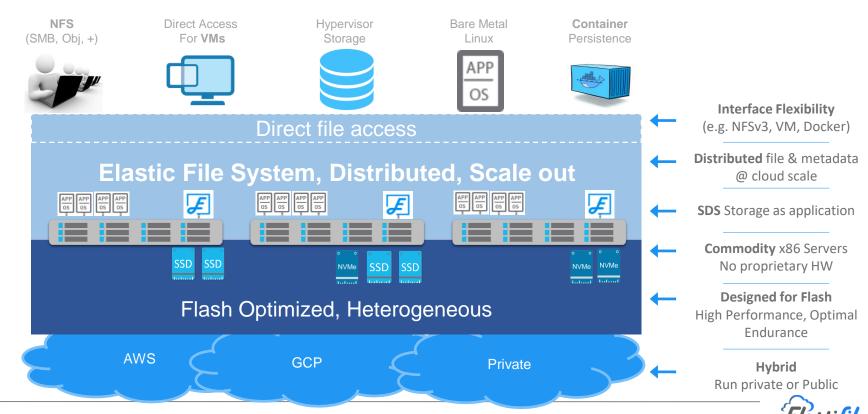
264,000 IOPS

0.5 msec latency (app)

- ORACLE Direct NFS mount
- 8 Node Cluster
- Hyper-Converged
- All Flash
- 3 NVMe drives per node
- VMware virtualized
- 2 way replication



Architecture



Where to apply ECFS?

Need highest performance with abundance or IOPS & low latency @ lowest cost Need POSIX file system + sharing + scale + performance

- Distributed computing & analytics workloads
- **Databases**
- Big data -- Large file, many file
- WHERE WOULD YOU USE IT?? VM storage + Direct NFS from VMs
- Persistence for containers

