## **Trends in Cloud Storage**

David Friend President, CEO and Co-founder Wasabi Technologies September 2019





## What's going on in cloud storage?

- Price dropping fast
- Speed increasing
- Fewer tiers
- Simpler pricing



## **Migration Driven by Economics**



Dell Isilon X410

69.6 TB raw 52.2 TB usable (RAID 5)

### Cost breakdown

Purchase Price		\$125,070
Life expectancy = 5 Years		
Annual Maintenance @		
15% = \$18,760 x 5 years		\$93,810
Estimated overhe	ad	
(D.C., labor, etc.)	30% of hardware	\$37,521
Total 5-year cost		(\$256,410)



## On-prem drivers: cost, safety, scalability



52.2 TB Wasabi storage for 5 years

Purchase Price
Gold Support @ 7% =
Estimated overhead @ 12%

Total 5 year cost

\$19,048 \$1,333 \$2,286





## 52.2TB for 5 years



Dell Isilon X410

\$256,410

VS.

10:1 reduction in storage costs



Wasabi Cloud Storage

\$22,667

(Includes \$93,810 for maintenance)



## Simple, predictable, billing



- No Egress charges
- No API charges
- No access fees



## **Immutability**

- Think "WORM for disk storage"
- 73% of all data loss due to human error, application bugs, sabotage
- If you're going to store data for years anyway, why not lock it down?
- Proof of data integrity, no alteration or fakes



## **Everyone adopting the S3 API**

CloudBerry

Backup

### arcserve®

∧ssured recovery™

















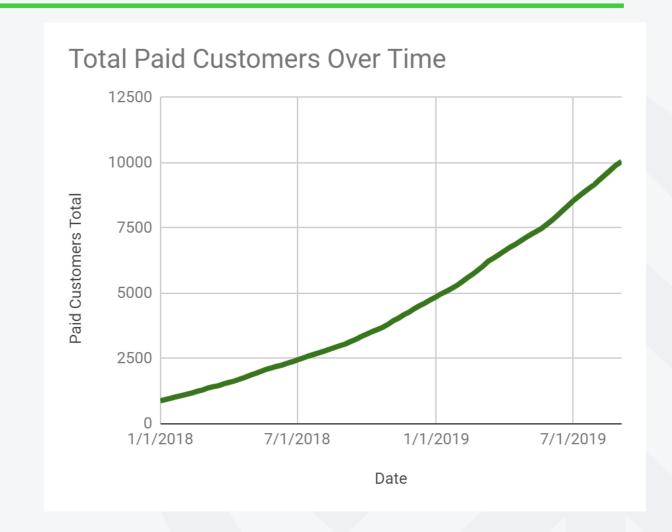
+ Hundreds more





## **Wasabi Update**

- 10,000+ customers
  - 1,100 VARs, MSPs, SIs
  - 200+ Technology Alliance Partners
     & OEMs
- 5 data centers
  - US East-1
  - US East-2
  - US-West
  - Amsterdam
  - Tokyo (November)





### Safeguarding Assets with Durability & Immutability

- Eleven 9s of durability (99.99999999)
  - Erasure Coding
  - Cross-region replication
  - Integrity testing of all objects every 90 days
- Immutable buckets done right
- Certifications and Compliance





### Who is buying Wasabi and why

#### Industries with lots of data

- Media and entertainment
- Backup and Disaster Recovery
- Surveillance
- Education, government, research

#### Reasons

- Price (inexpensive, no egress or other fees)
- Speed (faster than S3, Azure, Google)
- Security (immutability, 11 nines of durability, encryption at rest)
- 100% S3 API compatibility
- Support (you can actually talk to a human)





### **Wasabi Data Centers & Interconnect Options**

High-speed exchange to Wasabi data centers

- Wasabi Direct Connect (N x 1 or 10 Gb/s)
  - One Wilshire (former CoreSite LA1)
  - Megaport VXC
  - Equinix Cloud Exchange
  - Limelight private network
  - AWS Direct Connect



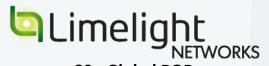


250+ Global POPs



EQUINIX

25+ Global POPs



80+ Global POPs









### **Wasabi Ball Transfer Appliance**

Move large datasets quickly, conveniently and cost-effectively

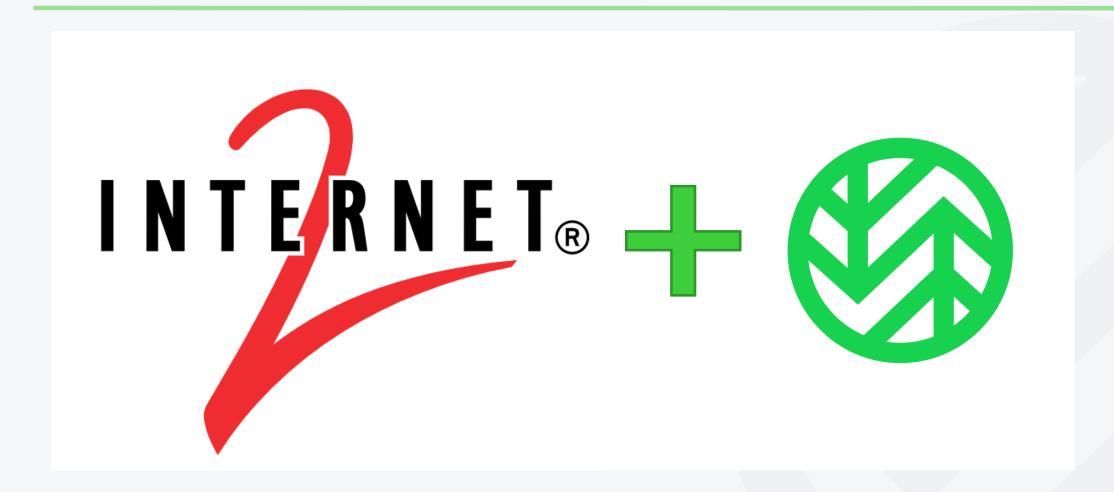
- 100 TB storage capacity
- 1 GbE and 10 GbE LAN connectivity
- Standard file system (NFS, CIFS, SMB, FTP, HTTPS) and S3 interfaces
- AES 256-bit encryption
- Built-in client interface
- Industry leading Netgear NAS performance



Wasabi Ball **Transfer Appliance** 



### **Internet 2 Connectivity**





### 120+ Educational Institutions













































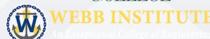
























TAS















OF



STONEHILL COLLEGE

















Elmbrook Schools























**Weill Cornell** 

















### **Medical and Research Institutions**



















































## **Wasabi Update**

- All we do is storage
- The storage part of a multi-cloud world
- Vision of storage as a utility
- Inexpensive, fast, reliable, secure
- Available everywhere



# Thank you.

www.wasabi.com

