

TFDx - Druva

@druvainc

\*Jessie

Cloud-first, SaaS-based model

Typically solving “the legacy backup problem”

Backup server, media server, commodity storage, offsite archival

Vendors are introducing plugin for cloud storage

Cloud is a delivery model rather than an actual technology

Druva Hybrid Cloud Data Protection

CloudCache Commodity Server (on-premises) - optional

Druva cloud powered by AWS

auto-tiering in the cloud (S3/S3IA/Glacier)

easy recovery to any location (servers or the cloud)

Bandwidth is easier than hardware - people are reducing their infrastructure

Charge based on post-globally deduped storage consumed

40PB of data under management

originally focused on endpoints, now moved into the data centre

top 5 amazon storage partner

Combining Phoenix (<https://www.druva.com/products/phoenix/cloud-backup/>) and Sync into a single platform - Druva Cloud Platform

Data Management as a service

- protection

- governance

- intelligence

Local data sources - end points, branch office, DCs

Cloud data sources - IaaS, Cloud Applications, PaaS

“A VCR in the cloud doesn’t give you Netflix”

- fully managed (no need to deploy, manage, support software)

- predictable lower costs

- linear and infinite scalability

- automatic upgrades, patching

- seamless data services

Petabyte Scale Data Architecture

Source Side Global Deduplication

- application aware block level deduplication

- send unique blocks only

- forever incremental and efficient backups

Metadata storage (DynamoDB) and Object Storage (S3, S3IA, Glacier)

- data segregation ensuring higher security

“True incremental forever solution”

Application Support

Virtualised

- Agentless on VMware (Hyper-V coming soon)

- Nutanix AHV - guest-level

Cloud DR for VMware

Physical - Linux + Windows (VSS aware)

Databases - MS SQL, Oracle (Coming soon)

NAS - SMB and NFS

- Non-NDMP, 100x performance boost over traditional methods

- machine learning to determine changes

- smart scans - age, metadata and file permissions

- data migration between NAS vendors

- scale out to backup large capacity

File system scanning frequency?

The Phoenix Architecture - check video

<http://pages2.druva.com/rs/druva1/images/Druva-Phoenix-Security.pdf> - Phoenix Security White Paper

Encryption

Data - AES-256 encrypted at rest and HTTPS in flight

Data deduped before it goes across the wire

No charge for egress - Druva covers the AWS cost

\*Demo time

Web console

Backup Policies / retention

Physical / VM Backup / restore

etc