

SFD18 - NetApp

*Dave Hitz - Founder Emeritus

What does cloud first really mean?

People's paths to the cloud can be so different

US Govt. every new IT project had to scope out a realistic cloud solution. They could do what they wanted, but needed to get the idea out.

Could it run in the cloud? Some stuff just can't. e.g. a printing press.

Should it run in the cloud?

The should it question is a corporate strategy question

Just because you start with that, doesn't mean you need to end up in cloud.

Cloud ONTAP

Anthony Lye says it "didn't smell like cloud". Feels like a product for storage administrators.

Cloudy people don't want that, and they don't want to talk to storage admins

Not NetApp's goal to stop selling on-premises gear

Having good cloudy solutions will help them gain share in on-premises footprint

3 big styles

- public cloud

- private cloud

- enterprise IT

Public cloud - AMZN, Google, MSFT

Private cloud - used to be VMware, if you have a big cluster of something that can be reconfigured into something else (eg more clusters) without touching cabling

Public cloud isn't about saving money. Public cloud is about innovating faster.

Private cloud - speed of deployment of new services

Enterprise IT - designed as chunks of stuff. This is where the bulk of most people's business is. Companies of scale and age. 2 goals - get it Flash, connect it to the cloud (eg backup).

Whenever there's a new disruptive technology - there's a lot of innovation in that space. Finding the space between the old and the new, and understanding you'll have both for a long time. And that's what's NetApp's focusing on moving forward. Not just cloud-only, no ditching on-premises.

On-premises has evolved in response to the benefits of cloud

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Charlotte Brooks

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NetApp Data Availability Services - DaaS for the hybrid cloud

<https://www.netapp.com/us/products/backup-recovery/data-availability-services.aspx>

EG Major League Baseball - arms race

Using IoT to measure player health, performance

Agility and budget flexibility of cloud. Capturing the data on-premises.

They simply want to protect data and perform AI and ML in the cloud

What?

Cloud-Resident orchestration

Extends SnapMirror to the cloud

Designed for the IT generalist

Enables full data lifecycle management

Rapid time to business insight through active data copy

Transform secondary data into value generating assets

NDAS Solution Benefits

Speeds Business outcomes

- UI/UX hybrid cloud workflows for the IT generalist

Secures on-site to cloud data movement

- https / TLS transport of metadata and data to cloud

Creates active data copy in the cloud

- Data format preserves file metadata, snapshots

Presents simple search and restore

- cloud resident catalog with google-like search

Offers granular scope of data objects

- Files, volumes, LUNs (apps, VMs)

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1. Update secondary to ONTAP 9.5: includes NDAS proxy and Copy to Cloud APIs

2. Cloud-resident orchestration / GUI (AWS AMI), scalable catalog for easy search and browse restore

3. Discover, orchestrate and configure data protection workflows

*Demo 1

*Demo 2

A More Detailed Look – Tomorrow

Possible Future Functionality

