



Hybrid Cloud: The Future of SDDC

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Agenda

1. The Evolution of Data & IOT
2. Data Centers & Data Management Challenges
3. The Solution: Data Fabric framework for SDDC
4. The Building Blocks to Hybrid Cloud Adoption
5. HC - User Case Study Example - Tiscali

NetApp SDDC Hybrid Cloud

OnTAP 9

All Flash

AltaVault

Storage Grid

OnCommand Management

Evolution of Data & IOT & impact to Organisation



Digital Technologies Are Transforming Your Business in New Ways

Organizations are expected to be

faster,

global,

mobile,

social,

digital, and

on-demand all of the time



Delivering appropriate
insight to respond faster



Improve business while
reducing complexity

THE ALL-FLASH DATA CENTER WILL
BECOME A PRACTICAL REALITY

DEVOPS WILL DRIVE GROWTH IN
CONVERGED INFRASTRUCTURE

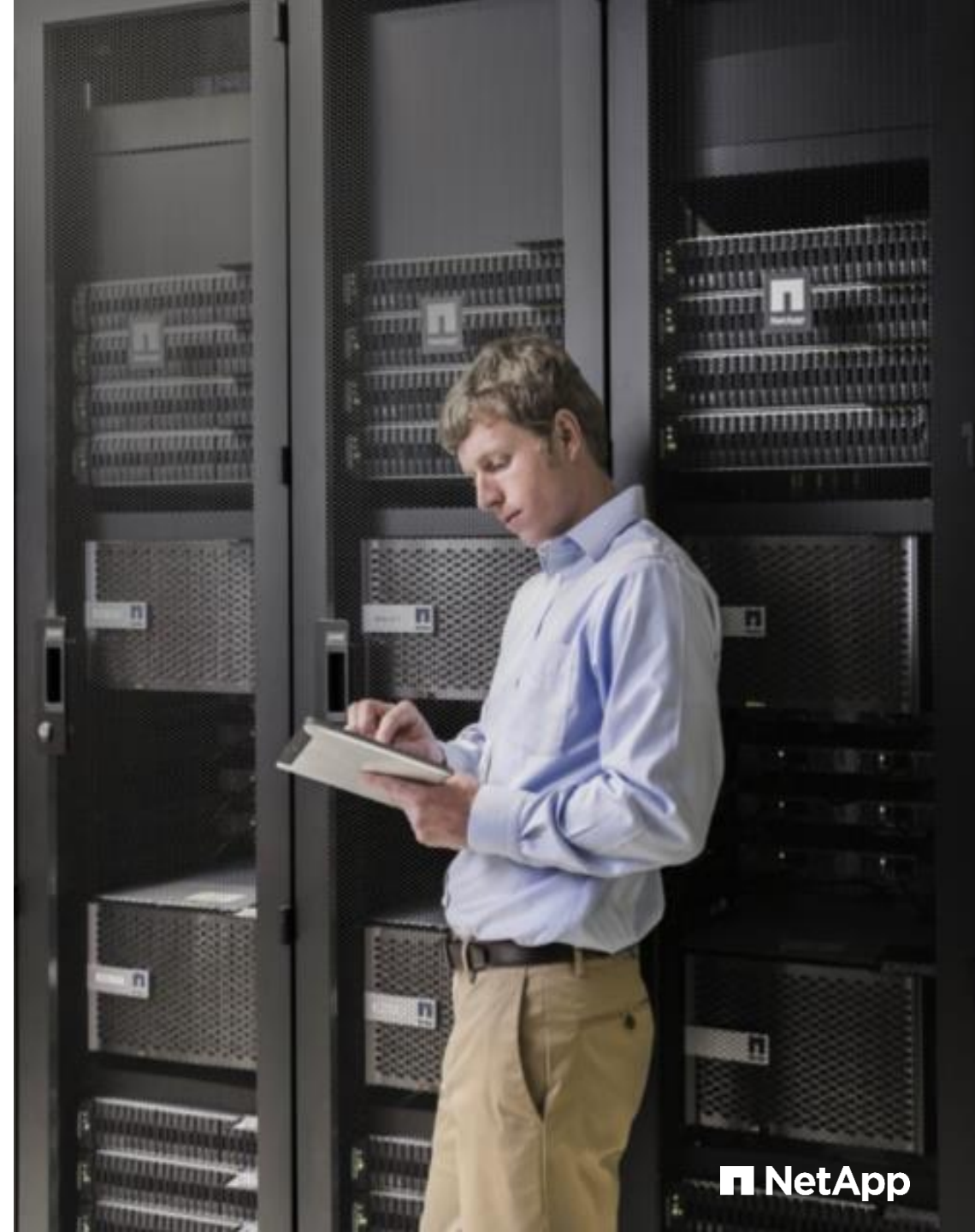
But - Data Centers are at a Critical Juncture



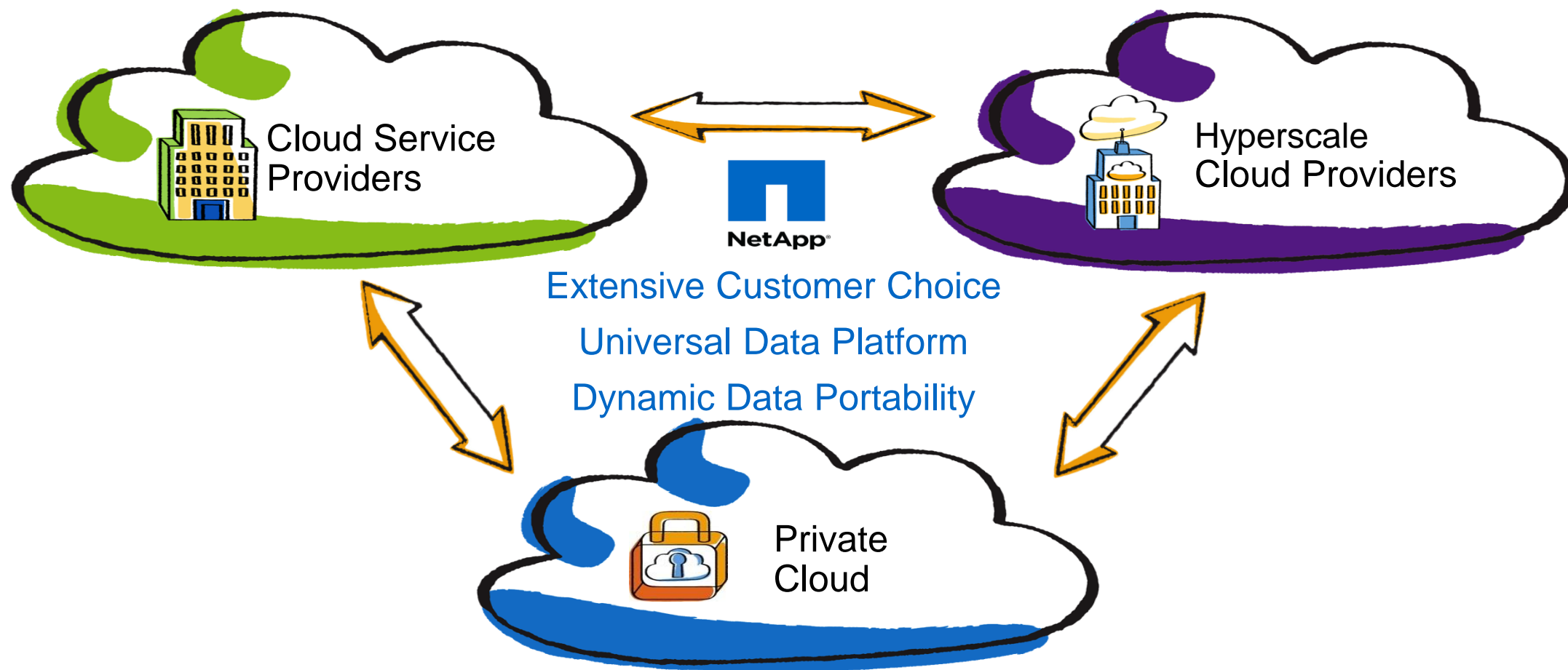
What if you could...

Deliver cloud like agility in the comfort of your own DC?

1. Spin up storage resources in less than a day— from procurement to deployment
2. Deploy enterprise storage software on commodity hardware
3. Add capacity on the fly in small increments
4. Leverage your existing server infrastructure
5. Manage software development workflow from the cloud to on the premises to production with common features and management
6. Reduce capacity requirements with efficient data reduction technologies



Enter - NetApp Data Fabric for Hybrid Cloud - SDDC

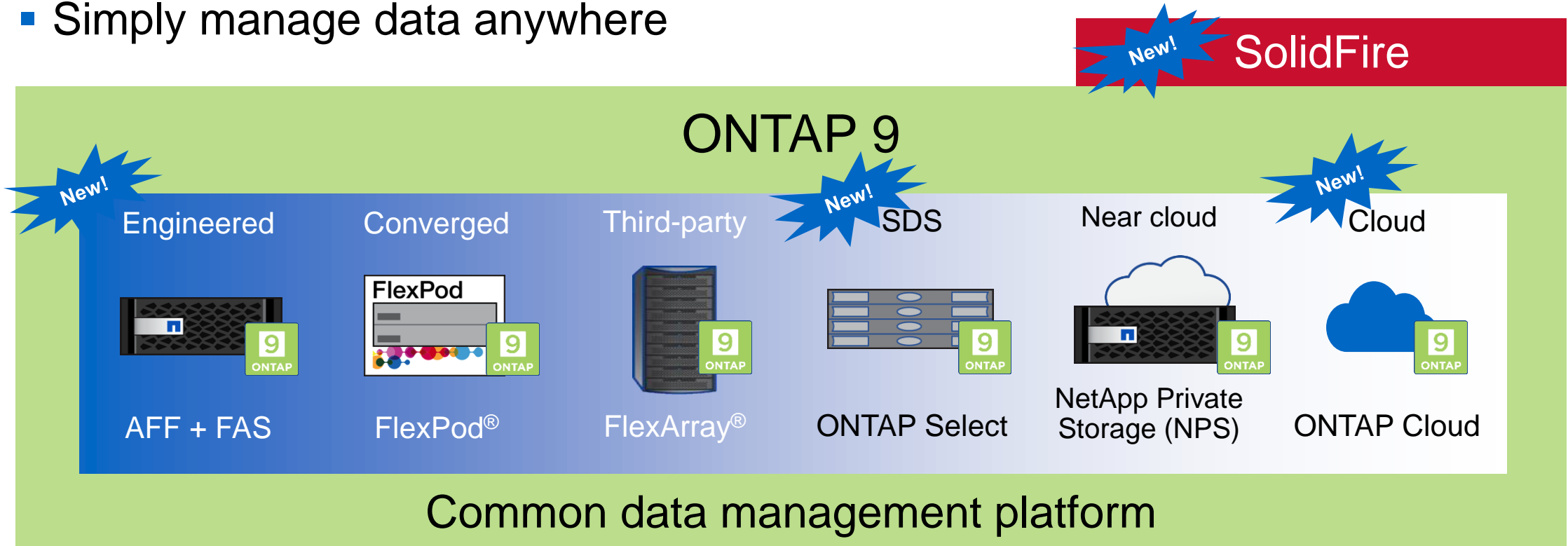


NetApp Data Fabric for SDDC Future Ready Data Management Strategy



Simplify your transition to a Modern SD Datacenter

- Deploy flash everywhere
- Simply manage data anywhere



Introducing next-generation AFF, FAS, ONTAP 9.1 platforms

Growing Use Cases for All-Flash :

Storage Performance is Driving Demand for Flash adoption & improved cost dynamics.

Database, Analytics & Business Apps

Virtual Servers & Cloud

Virtual Desktops & DAAS

2014



FlexPod



Workload Consolidation, Next-Gen Apps, Enterprise Grade Features

2016+



The Industry's Broadest Flash Portfolio

EF

Streamlined architecture optimized for low-latency workloads

Speed

Standalone apps

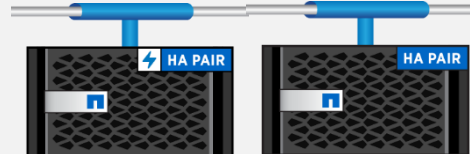


AFF

Performance plus robust data management optimized for shared general IT

Data Services

General purpose,
Virtual infrastructure



SolidFire

Scale out service oriented flash storage for next gen architectures

Scale & QoS

Cloud infrastructure
on/off premises



New databases demand new levels of storage performance

- SQL Server 2014 “Hekaton” (SQL 2005 EOL)
- Oracle and SAP Hana upgrades performance sensitive

All Flash FAS Advantage for Enterprise Applications

Database

12x
Application
IOPS



20x
Faster
Response
Time

Cut
Server and
Software
License Costs



in Half

VDI



For
VDI

and Supports
Thousands of Users



Up to

30x

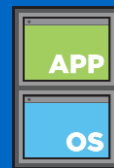
Space Savings
with Data Reduction
Technologies

Server Virtualization

SAN
NAS



Greater Flexibility



Industry
Leading

App Integration

Data Protection

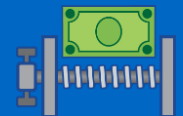


Thin
Replication

Replicates Changed Blocks
Only for Backups and
Restores in Minutes

Replicate to HDD or Hybrid
Arrays and Reduce Target
Cost by More than

50%



Synchronous
Replication

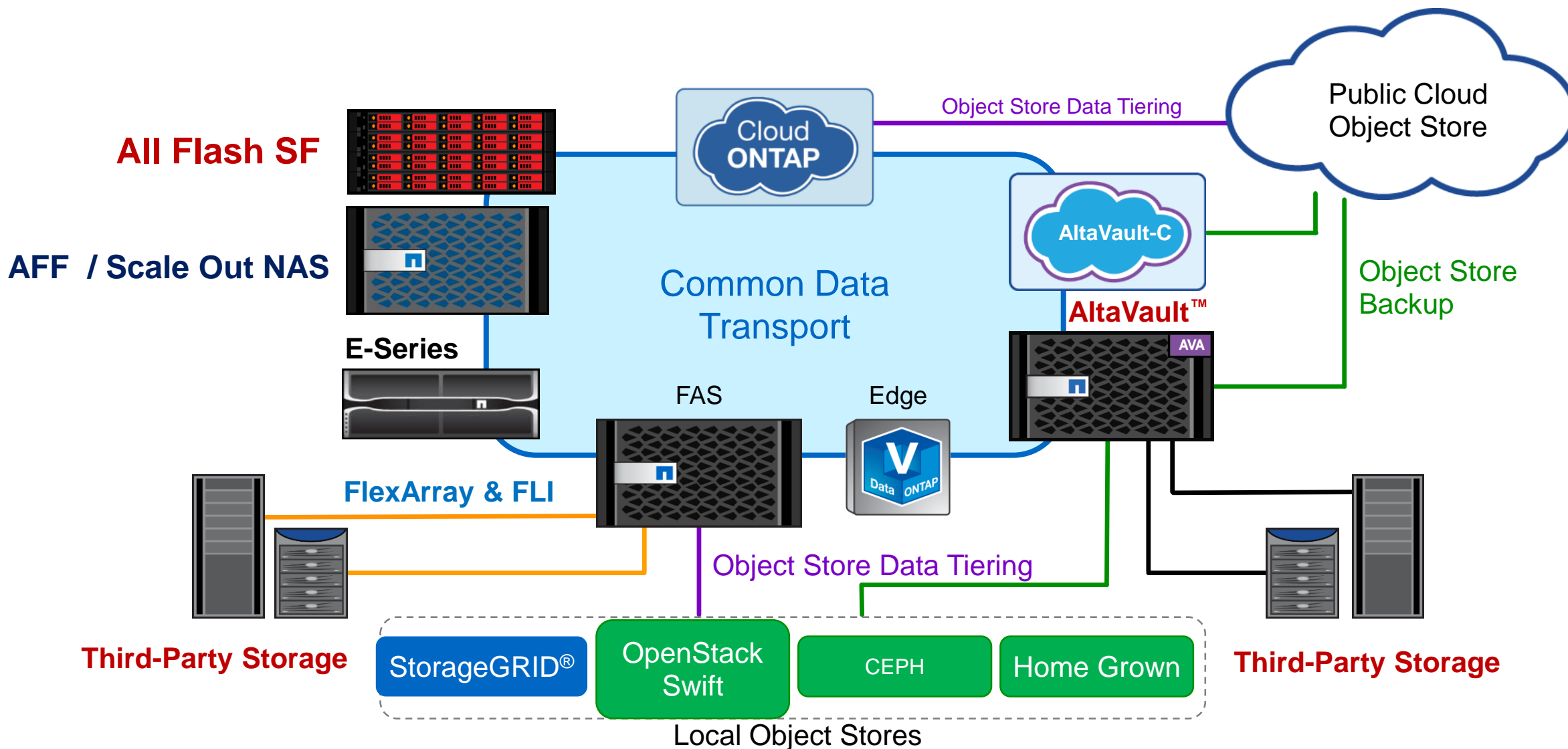


Zero RPO

Low-to-Zero RTO



Extending the Data Fabric to third-party platforms



Why OnCommand Insight?

Connect your IT infrastructure data with the business

Agentless

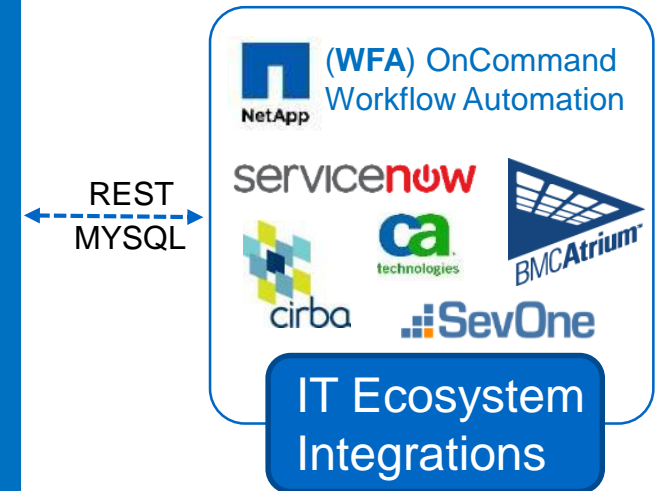
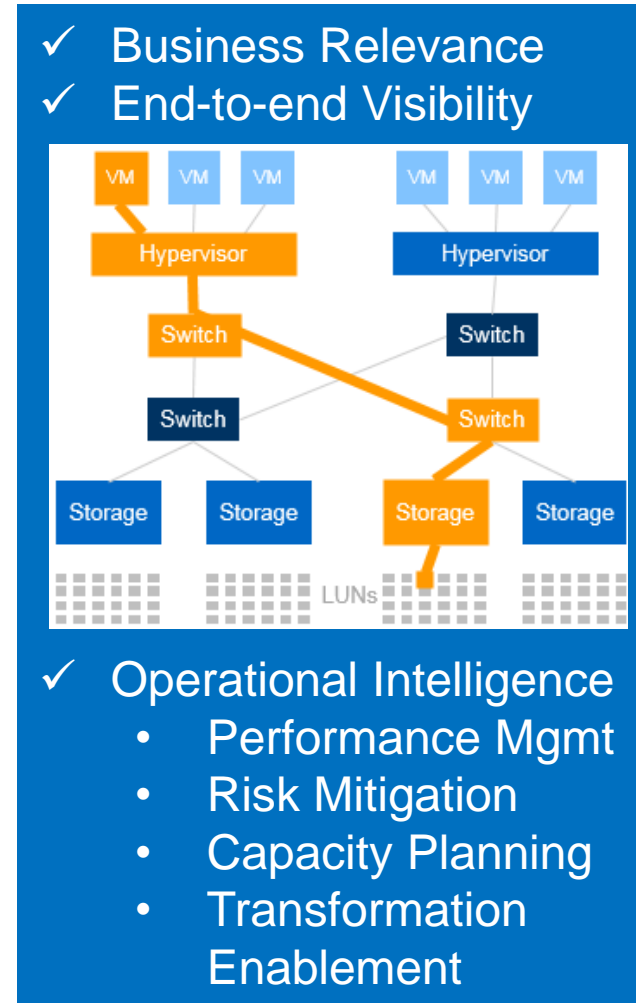
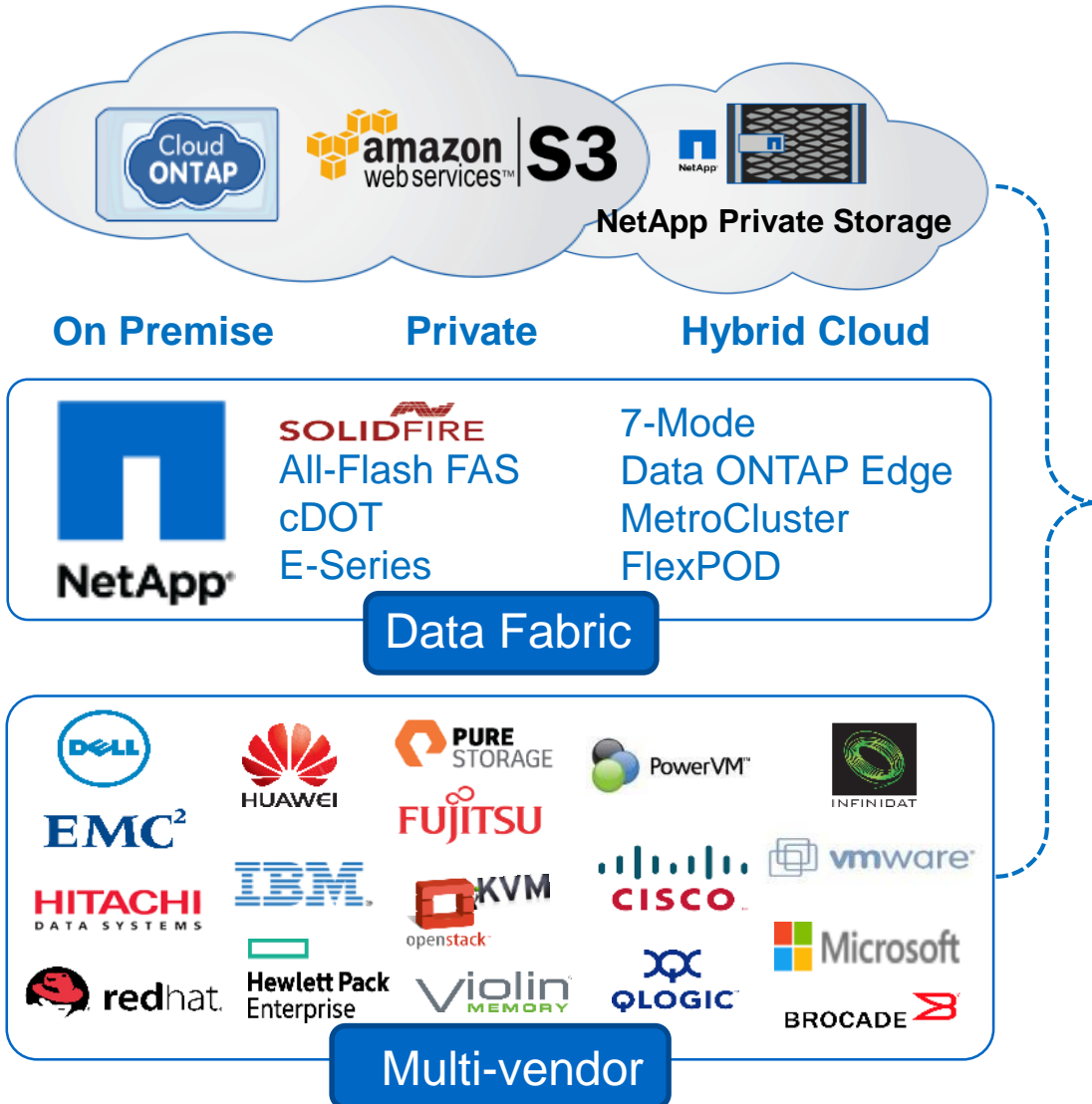
Multi-Vendor

Multi-Protocol

Real-Time

Read Only

Highly Scalable



Consistent insights across your multi-vendor, multi-platform infrastructure



Hybrid Cloud Services Built on NetApp

275+ Partners, 400+ Services Worldwide



[TISCALI VIDEO](#)

Infrastructure
as a Service


Data Protection
as a Service

Desktop
as a Service

Messaging &
Collaboration
as a Service

SAP
as a Service

Other
as a Service



Thank You
Q & A
Feel free to contact
us to discuss your IT
challenges