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NetApp Product- & Solution Portfolio 2026

Erich Rüedi
Business Development & Marketing

NetApp Portfolio- & Solution Overview

On-Premises Storage

MULTI-PROTOCOL

AFF A-Series	All-Flash
AFF C-Series	All Flash
FAS	Hybrid-Flash
AFX	Disaggregated
FlexPod	Converged

OBJECT

StorageGrid
Server, VM-Host, Appliance

BLOCK STORAGE

ASA A-Series	All-Flash
ASA C-Series	All-Flash

EF-Series	All-Flash
E-Series	Hybrid-Flash

Cloud Solutions

PUBLIC CLOUDS

AWS, Azure, Google
Cloud Voulmes ONTAP
Deploy storage into public clouds

ON-PREMISES & CLOUD

Hybrid Cloud Solutions

STORAGE AS A SERVICE

***Keystone** On-Premises*
Flexible subscription based model

NetApp ONTAP
Datamanagement

Data Solutions

AI

AI Data Engine

SECURITY & PROTECTION

Backup & Recovery
Disaster Recovery
Ransomware Resilience
Replication

GOVERNANCE OBSERVABILITY

Classivication
Data Infrastructur Insights

MOBILITY

Copy & Sync
Tiering

ONTAP Flash Storage Overview

High

Mid

Entry

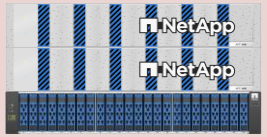
AFX A1K

NX224

DX50 Compute

NVIDIA

Performance-Flash



AFF A1K

AFF A90

AFF A70

AFF A50

AFF A30

AFF A20

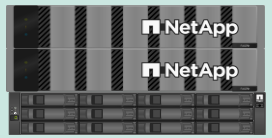
Performance-Flash

AFF C80

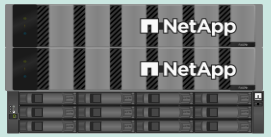
AFF C60

AFF C30

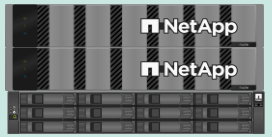
Capacity-Flash



FAS90



FAS70

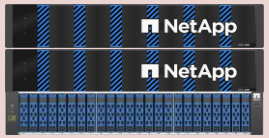


FAS50

FAS2820

FAS2750

Hybrid-Flash



ASA A1K

ASA A90

ASA A70

ASA A50

ASA A30

ASA A20

Performance-Flash

ASA C30

Capacity-Flash

more info...

Disaggregated

Unified Storage

Block Storage

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NAND-Flash Technologies

Kriterium	Performance Flash NetApp A-Series *TLC (3 Bit/Zelle)*		Capacity Flash NetApp C-Series *QLC (4 Bit/Zelle)*	
Bits per Cell	3		4	
Storage denity	high		very high	↑
Cost per GB	Cost effectiv		cheap	↑
Performance	fast	↑	slower (writing)	
Writing behavior	Stable, few intrusions	↑	lower, depence on SLC-Cache	
Typists P/E-Cycles	1.000 – 3.000	↑	100 – 1.000	
Susceptibility to errors	moderat, low	↑	higher	
Areas of application	High-performance, writing-intensive workloads		Archiving, read-intensive workloads	
Price-Performance	good		very good with high capacity	↑

NAND-Flash – Wikipedia

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NetApp ONTAP Datamanagement

more info...

1 *Unified Storage Platform*

- ONTAP supports **block, file, and object storage** on the same platform:
- **NFS / SMB** for file workloads
- **iSCSI / FC / NVMe-oF** for block storage
- **S3** for object storage

This means a single system can simultaneously support file servers, databases, and object storage workloads.

2 *Advanced Snapshot Technology*

- ONTAP's **snapshot technology** is one of its most important differentiators:
- Snapshots are created in **seconds**
- **No performance impact**
- **Minimal storage consumption**
- Thousands of snapshots per volume possible
- Additional features built on snapshots:
- **SnapRestore** – instant data recovery
- **SnapMirror** – replication
- **SnapVault** – backup

3 *Industry-Leading Storage Efficiency*

- ONTAP combines multiple efficiency technologies:
- **Inline deduplication**
- **Inline compression**
- **Data compaction**
- **Thin provisioning**

These technologies can often reduce storage consumption by **30–70%**.

4 Strong Built-In Data Protection

- ONTAP integrates many features that other vendors often provide only as additional products:
- Snapshot-based backups
- Asynchronous and synchronous replication
- **MetroCluster** for active-active datacenter availability
- **Autonomous Ransomware Protection**

5 *Flexible Storage Architecture*

- ONTAP provides flexible storage abstractions such as **FlexVol** and **FlexGroup volumes**:
- Volumes can **grow or move online**
- **Quality of Service (QoS)** allows performance guarantees
- Scaling up to **petabyte-scale environments**

6 *Powerful Hybrid Cloud Integration*

- ONTAP is available both on-premises and in public cloud environments:
- Amazon FSx for NetApp ONTAP
- Azure NetApp Files
- Google Cloud NetApp Volumes
- Cloud Volumes ONTAP

Block Storage SANtricity E-Series

more info...

	NetApp E-Series	*NetApp EF-Series*
Core Concept	General-purpose SAN storage arrays	High-performance all-flash storage
Drives	HDD and SSD (hybrid configurations possible)	SSD / NVMe only (all-flash)
Performance	High performance, optimized for capacity and price/performance	Extremely high performance (very high IOPS and low latency)
Typical Workloads	Backup, archiving, video storage, general SAN workloads	HPC, analytics, AI/ML, high-performance databases
Latency	Millisecond range	Sub-millisecond latency
Protocols	FC, iSCSI, SAS, NVMe-oF (depending on model)	FC, iSCSI, NVMe-oF (optimized for flash)
Cost Profile	Lower cost per TB	Higher cost per TB but significantly higher performance
Main Focus	Capacity and balanced price/performance	Maximum performance

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NetApp Tiering with ONTAP

more info...

NetApp offers **various useful tiering options** with ONTAP. Keep your **all-flash systems** ready for current, **high-priority** data and automatically move **colder data to cost-effective** storage.

Tiering Method	Why / Why Not	Typical Scenario
NetApp Fabric Pool	Main tiering technology for AFF systems. Moves cold blocks from expensive SSD to object storage.	Tier cold NAS data to object storage to reduce SSD cost.
Snapshot Tiering	Snapshot data grows quickly; tiering snapshot blocks saves large amounts of SSD capacity.	Backup snapshots tiered to object storage while active data stays on flash.
Volume Based Policies	FabricPool behavior is controlled via per-volume policies like auto, snapshot-only, all, none.	Different policies for archive, databases, and backup volumes.
NetApp Cloud Tiering	Used to manage FabricPool centrally via NetApp BlueXP. Not required but useful in multi-cluster environments.	Enterprises managing multiple ONTAP clusters and cloud storage tiers.

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Backup & Recovery with ONTAP

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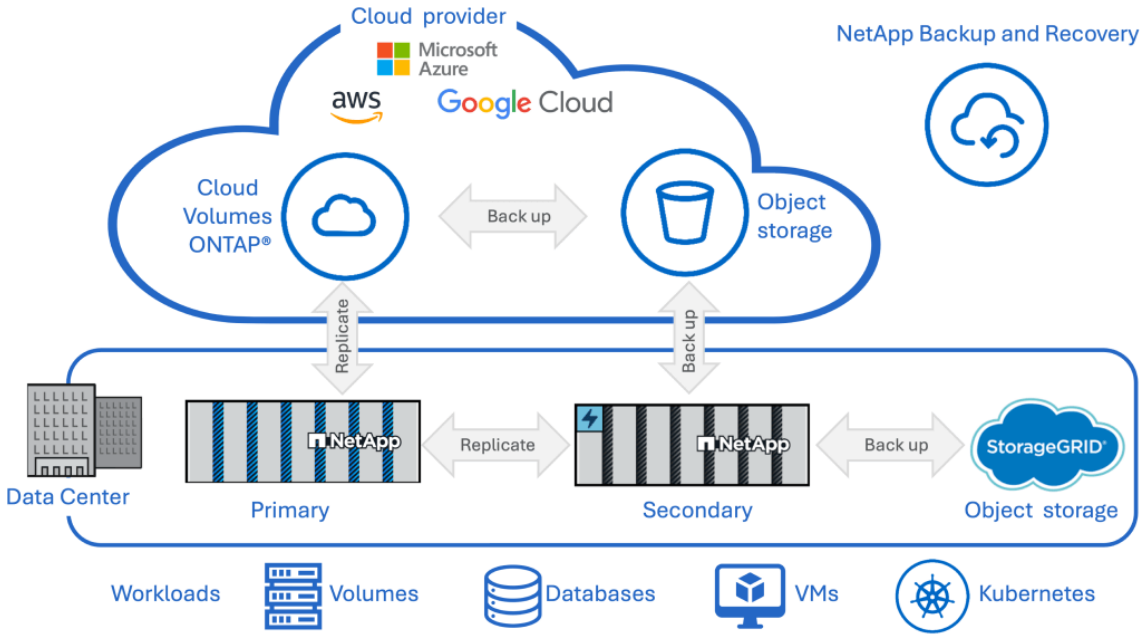
Easily adopt the **3-2-1 backup strategy** with local NetApp Snapshot™ copies, replications, and remote backup copies..

- Independent and reliable backup, with data stored in a **read-only Snapshot** copy hosted locally, on another ONTAP system, or separately from the ONTAP cluster
- No middleman: Back up **directly** from ONTAP to the **desired destination** without adding a point of failure
- 99.999999999% data durability, because the backup copy changes the data format **to object storage**



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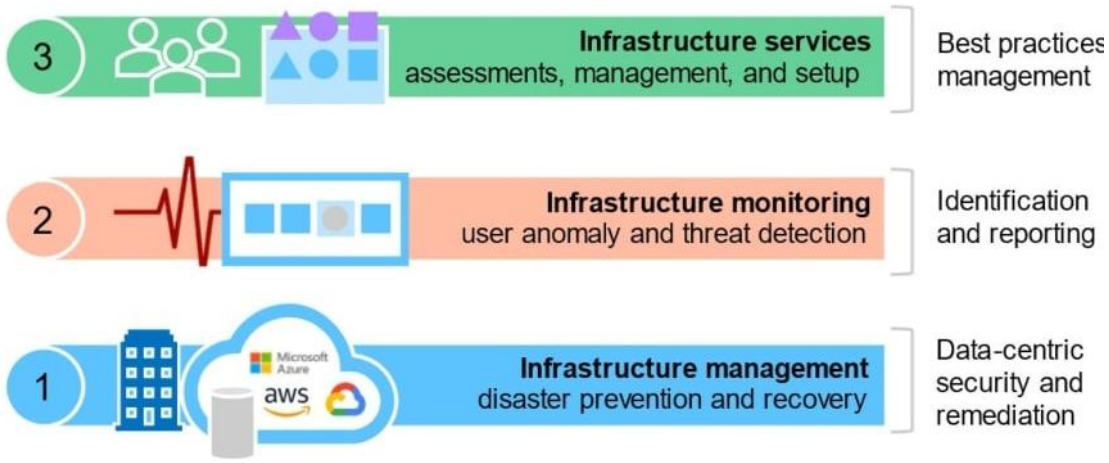
Ransomware Resilience with ONTAP

more info...

If **the attacker** gains access to the data systems - **ONTAP's AI functions** come into play.
NetApp delivers data-centric ransomware protection.

- Identifies **critical workloads** (apps, databases, VMs, file shares, and SAN workloads) in your primary NetApp® ONTAP® storage and applies **protection policies** with a single click
- Accurately **detects** potential attacks **in real time** and limits damage by **automatically** responding with immutable NetApp Snapshot™ copies



- Minimizes costly downtime by recovering entire workloads, with application consistency, **within minutes**
- Offers ransomware readiness drills, **simulating real attacks** to test protection and practice detection and recovery

Objekt Storage – StorageGRID (SDS)

more info...

Object Storage at NetApp

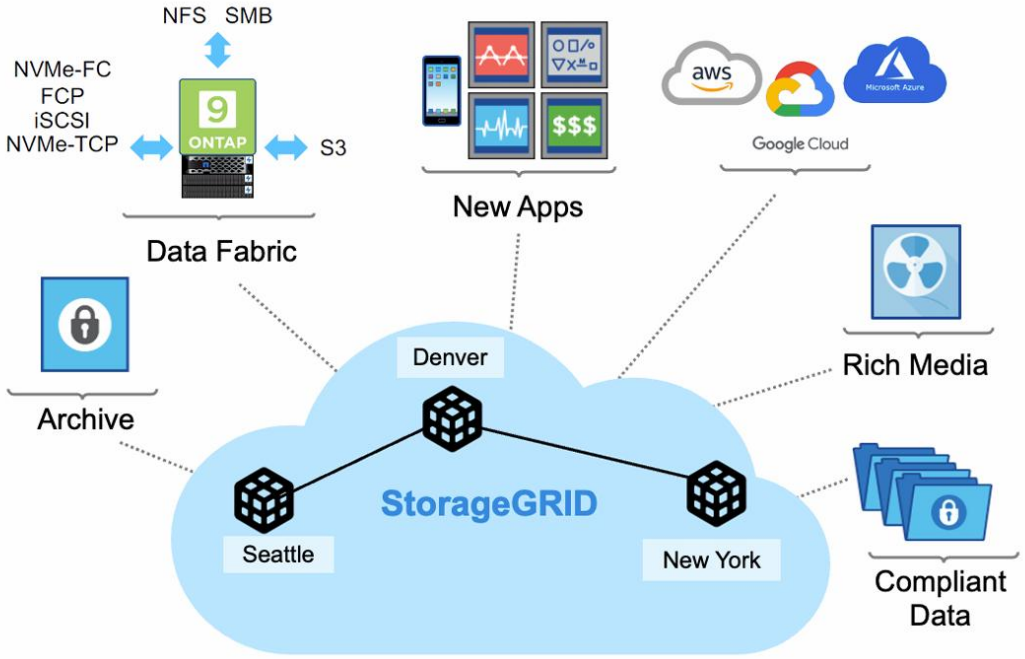
- S3-compatible storage using NetApp StorageGRID
- Scalable from petabytes to exabytes
- High data protection with replication and erasure coding
- Supports hybrid and multi-cloud environments

Typical Use Cases

- Backup and archiving
- Big data and analytics - Data Lake
- Media/content storage
- Cloud-native applications

Advantages

- Highly scalable
- Cost-efficient for large data volumes
- High availability and data security



Hybrid Cloud Solutions

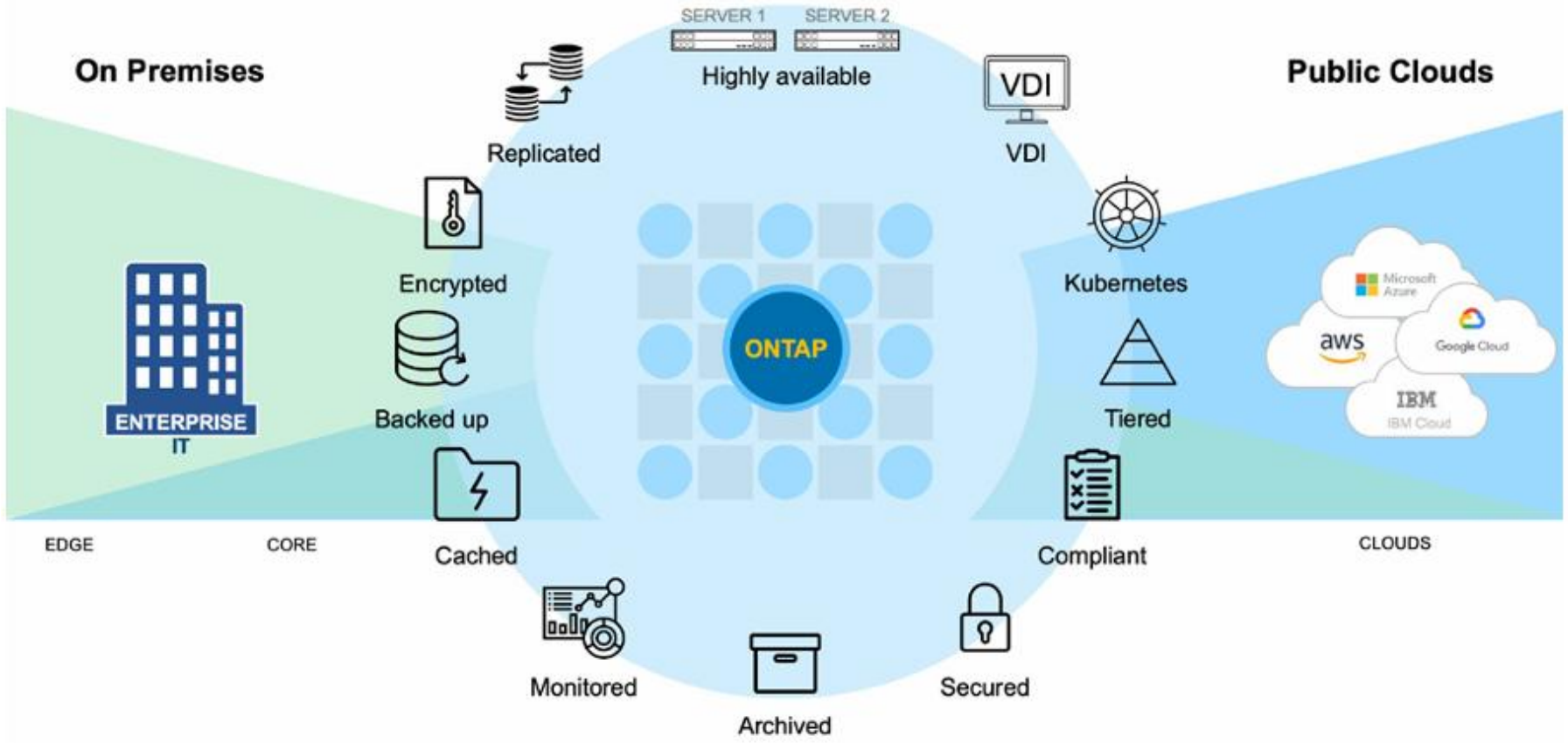
1 **Store** and access data with intelligent data classification, inline data reduction, quality of service, and rapid data change detection.

2 **Copy** and clone data instantly and space-efficiently for application iteration, model versioning, and sandboxes.

3 **Move** data across hybrid multiclouds with secure replication, read/write volume caching, and cold data tiering.

4 **Protect** all your data on premises and in the cloud with built-in cyber-resilience features.

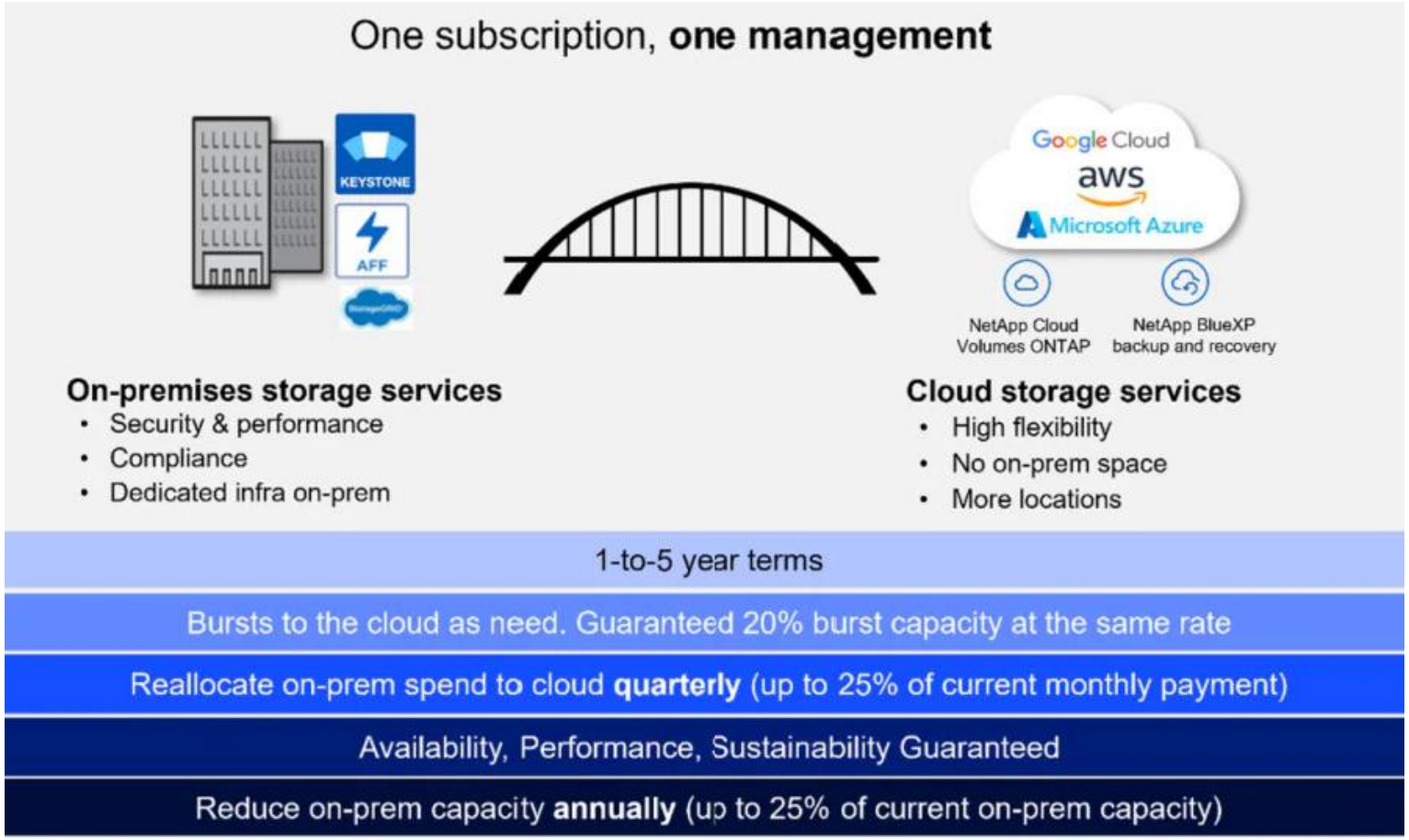
more info...



Storage as a Service On-Premises - Keystone

more info...

- On-Premises, **flexible subscription** model
- **Elemanate** upfront **CapEx**
- Pay as you go…
- **Future-proof** your AI infrastructure
- **Focus** on innovation, not operations
- Enhance **security** and reliability



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NetApp Team - TD SYNNEX Switzerland 2026

Matthias Werner
Manager Data Infrastructure
+41 (0) 79 540 74 81
matthias.werner@tdsynnex.com

Nicolas Gorsatt
Technical Presales
+41 (0) 79 517 83 85
nicolas.gorsatt@tdsynnex.com

Tom Blattmann
Technical Presales
+41 (0) 79 324 88 46
thomas.blattmann@tdsynnex.com

Moritz Hainmüller
Technical Presales
+41 (0) 79 377 45 42
moritz.hainmüller@tdsynnex.com

Giovanni Giaccotto
Solution Architect
+41 (0) 79 244 22 10
giovanni.giaccotto@tdsynnex.com

Almir Mehicic
Internal Sales
+41 (0) 41 799 11 13
almir.mehicic@tdsynnex.com

Beat Karli
Internal Sales
+41 (0) 41 799 14 18
beat.karli@tdsynnex.com

Krzysztof Cyran
Internal Sales
+41 (0) 41 799 14 80
krzysztof.cyran@tdsynnex.com

Nando Gorsatt
Business Development
+41 (0) 78 710 36 36
nando.gorsatt@tdsynnex.com

Erich Rüedi
Business Development & Marketing
+41 (0) 79 218 54 43
erich.rueedi@tdsynnex.com

NetApp-Team *netapp.ch@tdsynnex.com*

NetApp Team - TD SYNNEX Switzerland 2026

NetApp-Team: *netapp.ch@tdsynnex.com*

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