NETAPP

Building an Intelligent Data Infrastructure for healthcare

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"Data is the foundation of every healthcare system and it's largest most valuable and most critical asset."



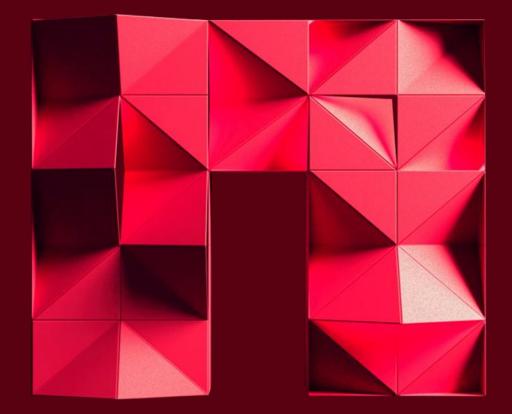


NetApp TODAY'S CHALLENGES - RISKS



- Security and Ransomware
- Compliancy (Nis2, GDPR,...
- Availability
- Al adoption
- Data protection and recovery
- Budget
- Knowledge Staffing
- Sustainability

NetApp is the INTELLIGENT DATA INFRASTRUCTURE COMPANY



Across several eras in the age of data, NetApp has led in data infrastructure innovation

2002 **Data Silos &** Unification

Adoptio

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Acceleration

NetApp becomes the first vendor to **unify file & block** workloads, and structured & unstructured data

Hybrid Cloud

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NetApp creates the first data fabric strategy that eliminates silos & provides unified control across any environment

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Hybrid **Multiclouds**

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Increasing amount of data, complexity and cost

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NetApp becomes the ONLY vendor to introduce cloud ops and data services as key data infrastructure pillars in addition to being the only vendor natively embedded in all major clouds

Today Intelligence

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NetApp delivers **silo-free** infrastructure, then harnesses observability and AI to enable best data management everywhere

Complexity

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Simplification

BE THE SILO BUSTER

Deliver simplicity by managing complex workloads and eliminating infrastructure silos across apps, data, and clouds

SIMPLICITY

BE THE BUSINESS DEFENDER

Keep your business running with built-in security, rapid recovery, and infrastructure observability

BE THE AI WORKLOAD INNOVATOR

Make your on-premises and cloud

infrastructure spend go further

Embed intelligence into your data infrastructure to enable your AI workloads—for new levels of productivity and innovation

SMARTS

BETHE

HERO

SAVINGS

BUDGET

BE THE SUSTAINABILITY CHAMPION

Power more sustainable operations with energy-efficient technologies, tiering, and analytics

SUSTAINABILITY

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BE THE APPLICATION AGILITY DRIVER

Maximize your infrastructure and applications scalability and team responsiveness

SCALABILITY

WITH INTELLIGENT DATA INFRASTRUCTURE, YOU CAN RISE TO EVERY MOMENT

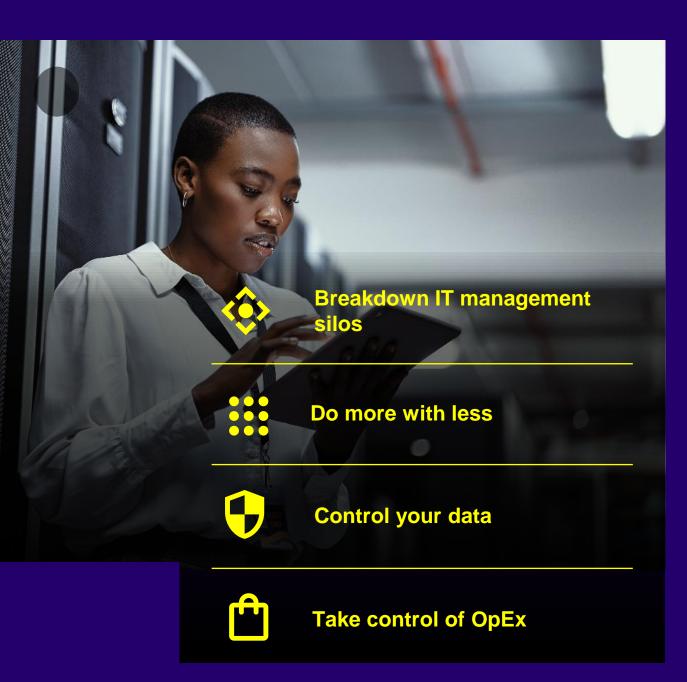
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SECURITY

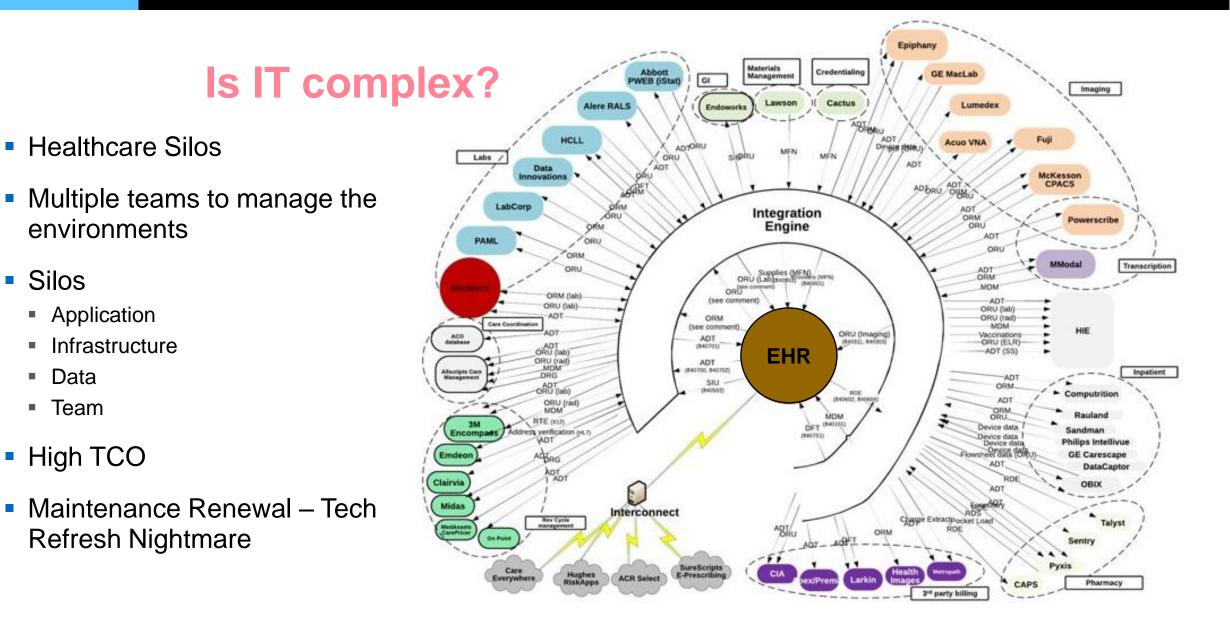
SIMPLICITY SCALABILITY SMARTS SECURE SUSTAINABILITY SAVINGS

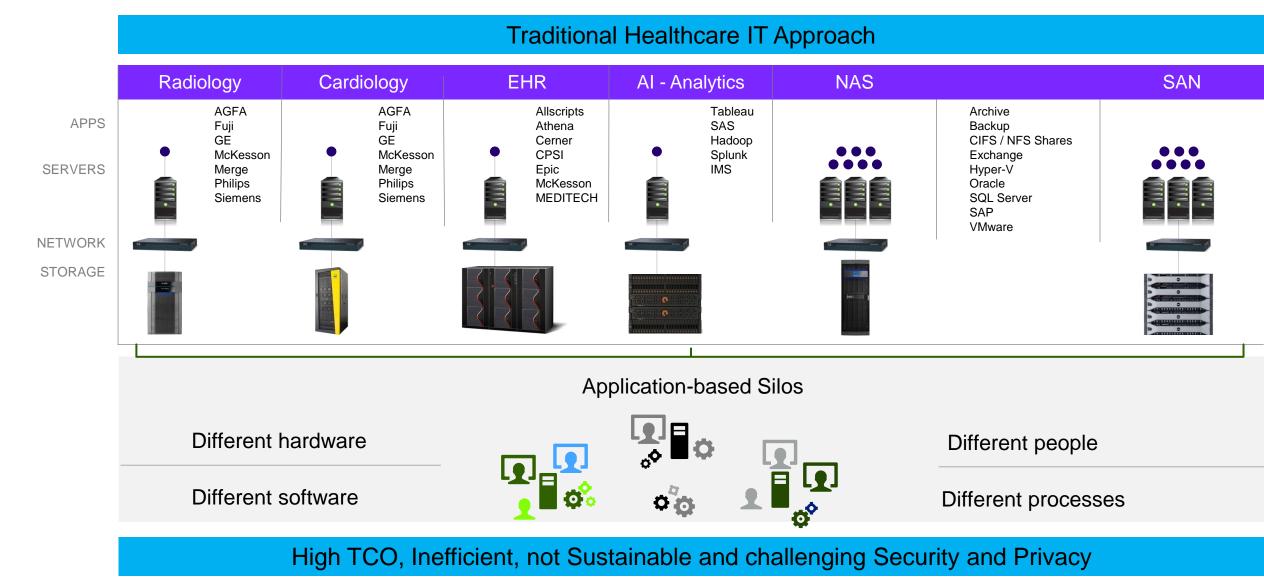
BETHE MANAGEMENT HERO

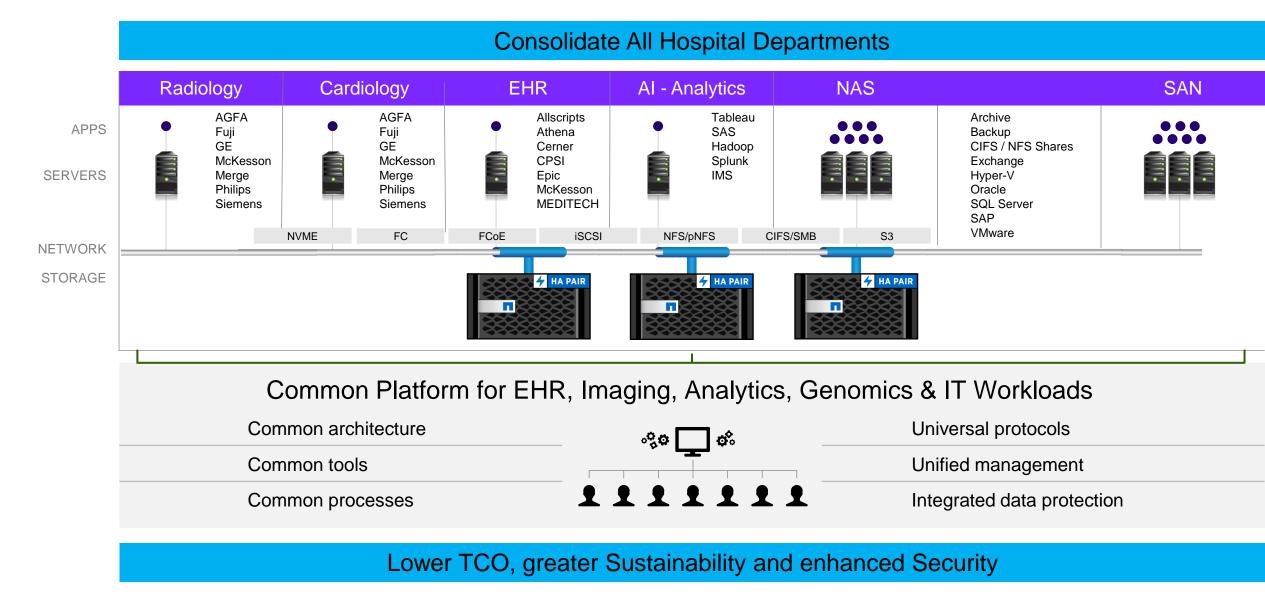
Deliver simplicity by managing complex workloads and eliminating infrastructure silos regardless of where data lives



The Challenge in Healthcare IT

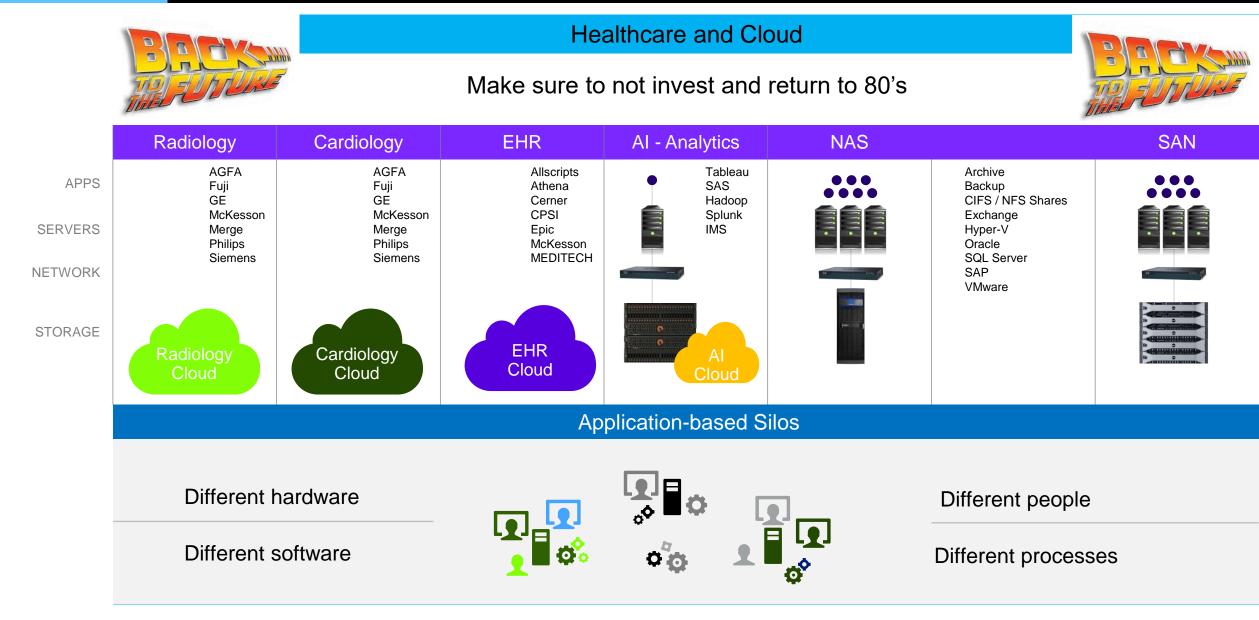






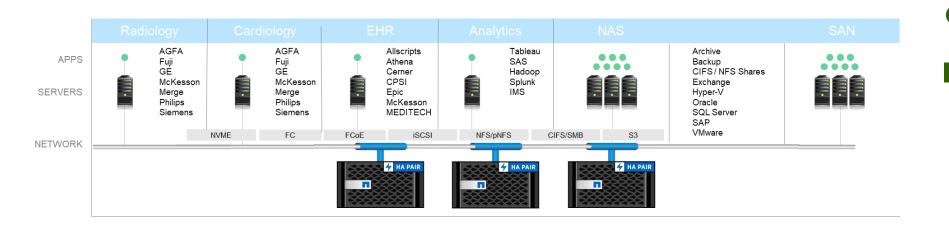
■ NetApp

INTELLIGENT DATA INFRASTRUCTURE FOR HEALTHCARE



INTELLIGENT DATA INFRASTRUCTURE FOR HEALTHCARE

Any workload, Any protocol, Any Cloud, One OS



NetApp Intelligent Data Infrastructure

Common Platform for EHR, Imaging, Analytics, Genomics & IT Workloads

- Common architecture
- Common tools
- Common processes

- Universal protocols
- Unified management
- Integrated data protection

- Introduce new Hardware non disruptively
- Never Migrate data again
- Innovation via software

Lower TCO, greater Sustainability and enhanced Security



Public cloud

aws

ONTAR

Cloud Volumes Ontap

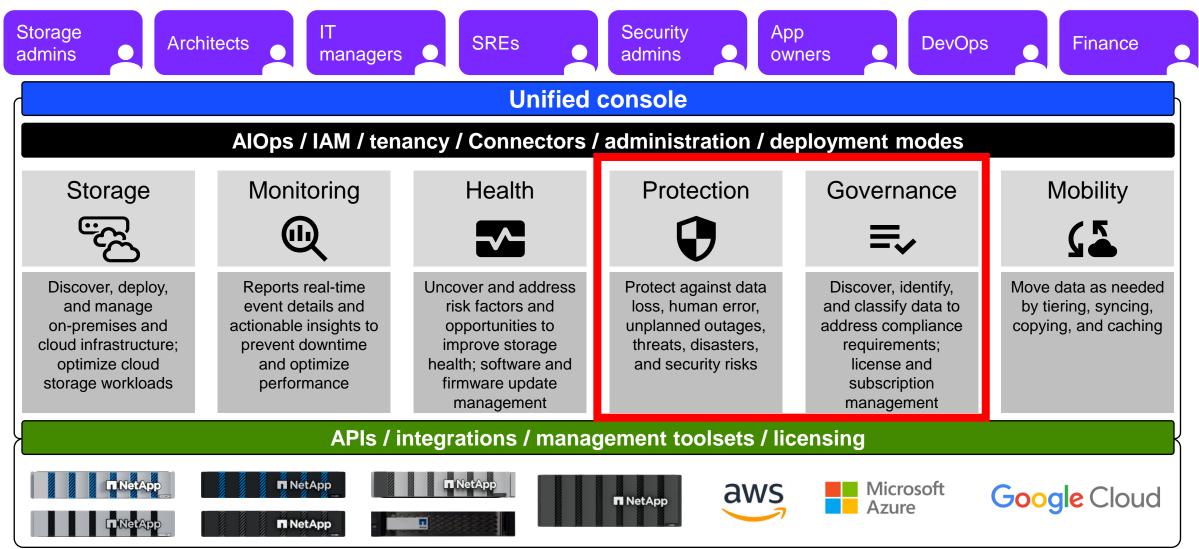
StorageGRID

StorageGrid

ONTAP Select

NetApp NetApp BlueXP: Hybrid multicloud made easy

Silo-free management for storage & data services across your intelligent data infrastructure



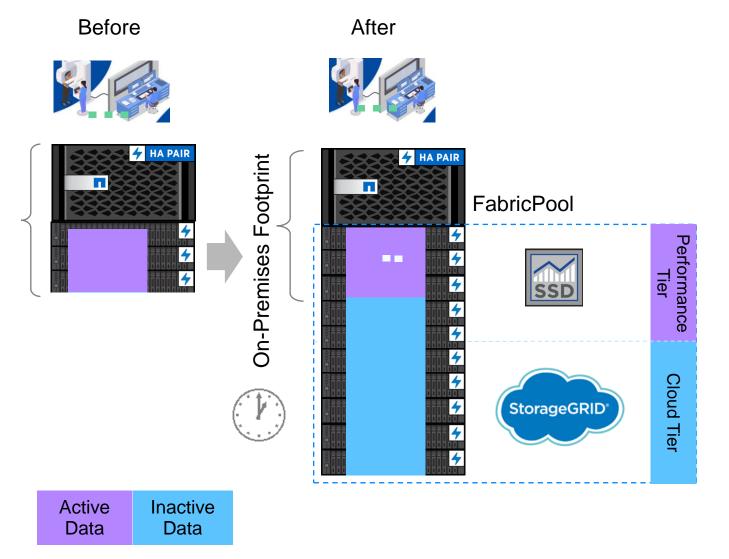


Medical imaging makes up approximately 70% of all clinical data stored worldwide

80% of that data is cold data

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The FabricPool solution – A good fit for medical imaging



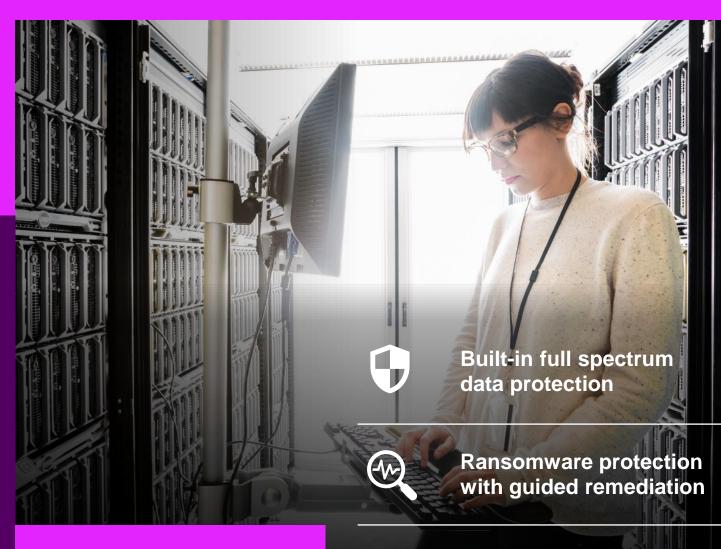
- Automatic tiering
- Zero-touch management
- Preserve file system
- Lower cost of ownership





INTEGRATED SERVICES

Keep your business running with built-in protection, security, classification, optimization, and mobility, while increasing sustainability visibility





Storage classification, optimization and mobility

NetApp The Data Governance Challenges

- Do you know what you have?
- Do you know what you need?
- Do you have what you need?
- Do you need what you have?
- Does your need fit's the future?
- Does IT match with the business needs and vision?
- What about TCO?
- Is cheap a solution or a fix?
- Is my data secure, protected?
- Can I manage easily?
- Are you safe, can you recover fast?
- What about data compliancy needs?
- What about security and ransomware?

Understand - Plan - Act - Repeat



WHAT ABOUT **NS2**?

WHEN?

MDMs and Member States have 1.5 years to comply



2024

OCT

NIS2 DIRECTIVE BROUGHT INTO EFFECT

Applying to existing OES's and DSPs, reclassifying them into important and essential entities

ALL CLASSIFICATIONS MUST COMPLY

By October 2024, all classifications of entities are required to comply with NIS2

WHAT YOU NEED TO DO?

MDMs need to establish reporting, cybersecurity risk management and information sharing processes

RISK MANAGEMENT MEASURES



Risk analysis and information system security policies





Incident handling



Vulnerability handling

and disclosure process





Notification of incident 72h + initial assessment of impact and severity



Final report after the incident's notification

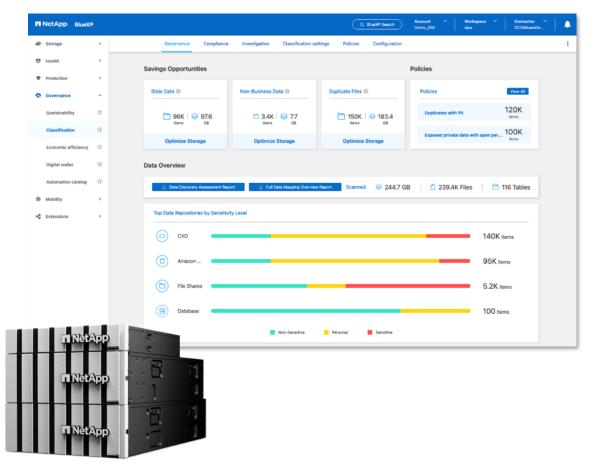
WHAT HAPPENS IF YOU DON'T?

Member States may impose financial fines on entities who are non-compliant



BlueXP classification

Deep dive into your data to discover, classify, and categorize data







Identify duplicate, stale, and non-essential data to optimize storage and achieve cost savings



Facilitate smooth migrations by scanning and categorizing data before it is moved to the cloud



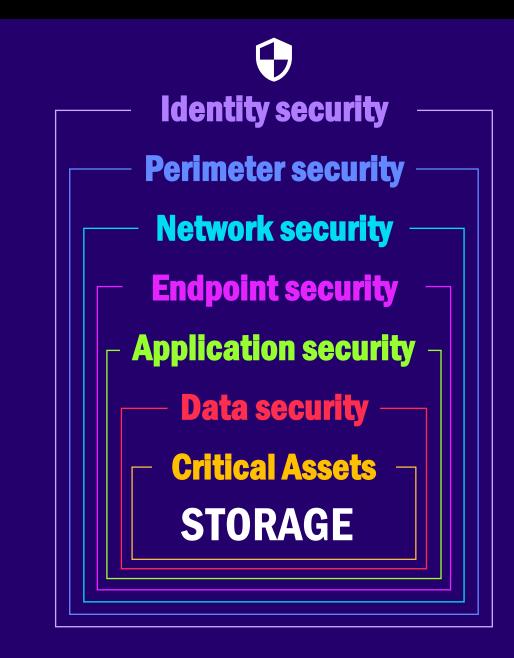
Clean data to create readily usable assets for GenAI and retrieval augmented generation (RAG)

Blue XP Classification is a core capability available to all customers at no additional charge!

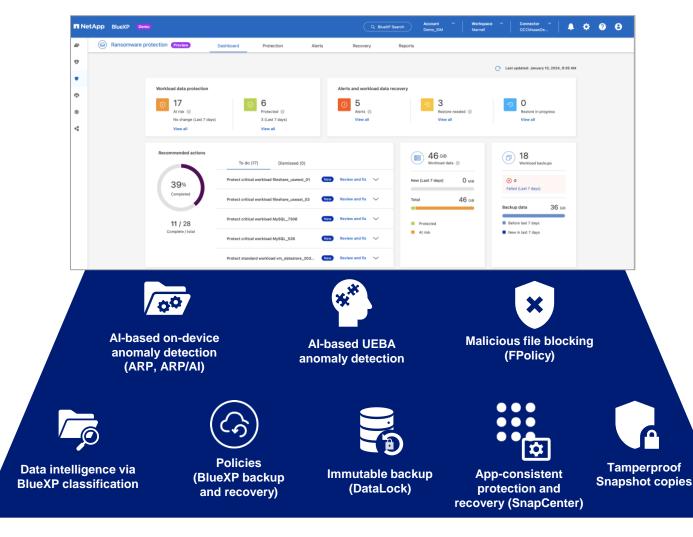
Storage is the last line of defense

Enhancing our customer's security posture with storage layer defense

- Secure by design
- Real time detection & response
- Air-gapped WORM protection
- Simple control plane for comprehensive protection



NetApp Ransomware Protection



Brings together the powerful cyber resilience features of ONTAP and BlueXP data services, adding:

- □ Complete visibility of workload protection posture
- Intelligent recommendations to improve ransomware protection posture
- □ Automated, orchestrated workload protection
- □ Attack alerts management and investigation
- □ SIEM integration
- Guided, fast workload recovery

Autonomous Ransomware Protection (ARP) is a core capability available to all customers at no additional charge!



FOR ENTERPRISE PRIMARY STORAGE

Ransomware Recovery Guarantee

NetApp can help. And now we guarantee it.



NetApp will warrant snapshot data recovery in the event of a ransomware attack



If you can't recover your data copies with help from NetApp assistance, NetApp will offer compensation*.

> *Guarantee includes both technology purchase and PS engagement. Terms and conditions apply.

The <u>ONLY</u> enterprise storage validated for top-secret data



Commercial Solutions for Classified (CSfC) Components List



FIPS 140-2



DOD Information Network Approved Products List



Visit security.netapp.com/certs/for the latest lists of all certifications, and for a list of Common Criteria certified products, visit netapp.com/esg/trust-center/compliance/common-criteria/

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Summary

Simplicity



- Single platform, single toolset
- Unified management for hybrid cloud
- Epic Honor Roll ready
- Lift and shift to cloud; no refactoring

Seamless and consistent

operational experience across the entire infrastructure with full interoperability.

Savings



- Automation allows scarce FTEs to focus on high value activities
- Unified management console; reduce training
- Storage efficiencies and data tiering on premises and cloud
- SnapCenter integrations; reduce overhead and number of 3rd party applications

Cost effective infrastructure foundation that is cloud-connected with subscriptionbased pricing options enabling a transition to IT "as a service" platforms.

Sustainability



- Achieve ESG goals; reduce carbon footprint
- Reduce energy consumption
- Reduce data center footprint

NetApp **reveals the information you need** to understand your environmental impact because knowing is the first half of the battle. The second half is the ability to make changes that make your operations more sustainable. We help you discover what to move, and where, to reduce your environmental footprint.

Security



- Ransomware detection, protection and remediation.
- Indelible copies and integrations
- Guaranteed data retention

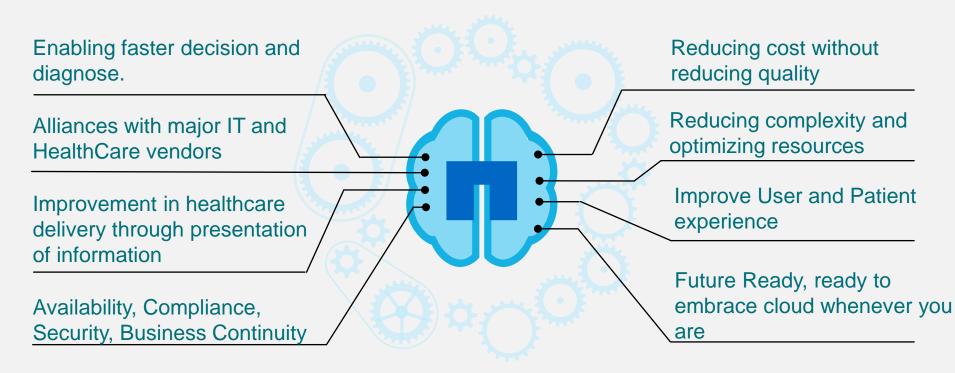
Consolidated view of your protected data, with a consistent way of securing, protecting, and governing using the same tools and same skills – whether the data is on-premises or in the cloud.

The enterprise storage vendor validated to store top-secret data.



Only NetApp delivers value in these four areas with automation and optimization for IT teams to thrive - on premises, in the clouds, and everywhere in between

NetApp, a HealthCare & Life Science specialist to facilitate successful digital transformation



Partner with NetApp and improve the Quality of Care delivered for each euro spent

WHAT'S YOUR NEXT OPPORTUNITY?

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