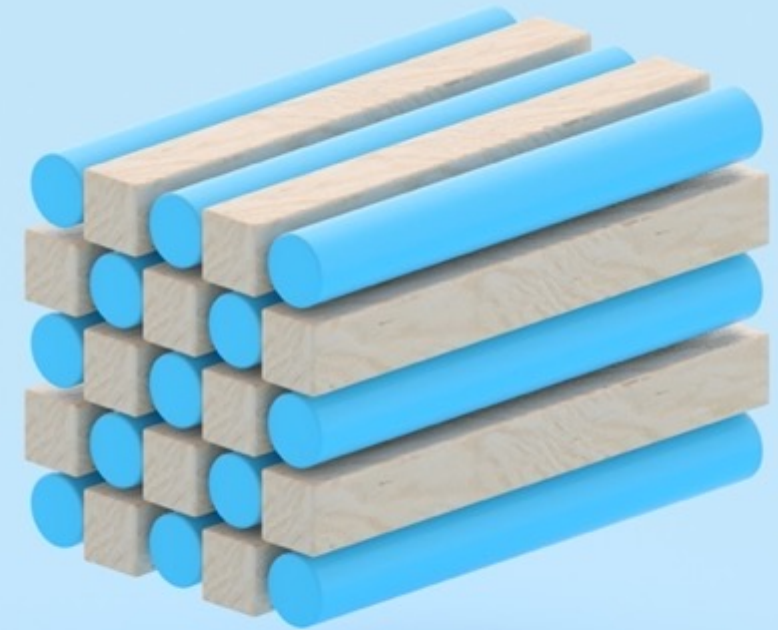
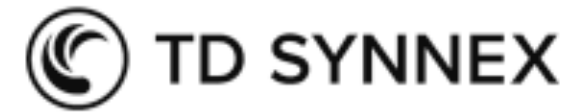



FlexPod Updates



January 2023

New FlexPod Solutions to highlight

- [FlexPod with VMware Cloud Foundation](#)
- [FlexPod with End-to-end 100G Ethernet](#)
- [FlexPod with Cisco UCS X440p PCIe Node](#)
- Customer Case Study
 - [FlexPod Aston Martin F1](#)



● FlexPod™

Aston Martin F1 and NetApp: Data fueled, race ready

NetApp helps Aston Martin F1 use data to go faster
The best Formula One teams are built on partnerships that drive innovation and push the limits of performance. NetApp helps the Aston Martin Aramco Cognizant Formula One™ Team (AMF1) maximize the potential of its data, gain speed on and off the track, and accelerate its climb to the top.

When Aston Martin F1 and NetApp team up, innovation leads the way to success. With the ability to gain speed on and off the track, AMF1 is unlocking the value of its data one race at a time. The winning combination of NetApp, VMware, and FlexPod gives AMF1 the horsepower it needs to maintain pole position.

Fast can always be faster
Performance is everything at AMF1. For IT, that means getting technology changes onto the car as quickly as possible so the team can translate them into performance on the track. Like a world-class pit crew, the partnership between NetApp® technology, VMware, and FlexPod® data center solution from NetApp and Cisco provides endless performance benefits to help achieve maximum operational efficiency everywhere, from edge to core to cloud.

“Without data, we can’t even get the car to move, let alone race,” says Brian Johnston, head of IT Trackside at AMF1. “NetApp gives us the reliability, scalability, and availability to access our data from the trackside to the factory, helping us stay at the top of our game.”

AMF1 uses its modern data management solution to unlock the value of telemetry and analytics. Using containers with Kubernetes and NetApp Astra™ Trident storage orchestrator, AMF1 leverages massive amounts of data to gain milliseconds of performance when it matters most.

Bringing it across the line
From factory to wind tunnel to trackside, everything across the team’s infrastructure must flow effortlessly and be available the instant it’s needed. No matter what aspect of performance the data is driving, AMF1 knows that speed is valuable only if it gets the team across the finish line. NetApp solutions ensure enterprise reliability and continuous operations. AMF1’s NetApp infrastructure allows it to get back up and running quickly in the event of an outage, so it doesn’t lose any momentum.

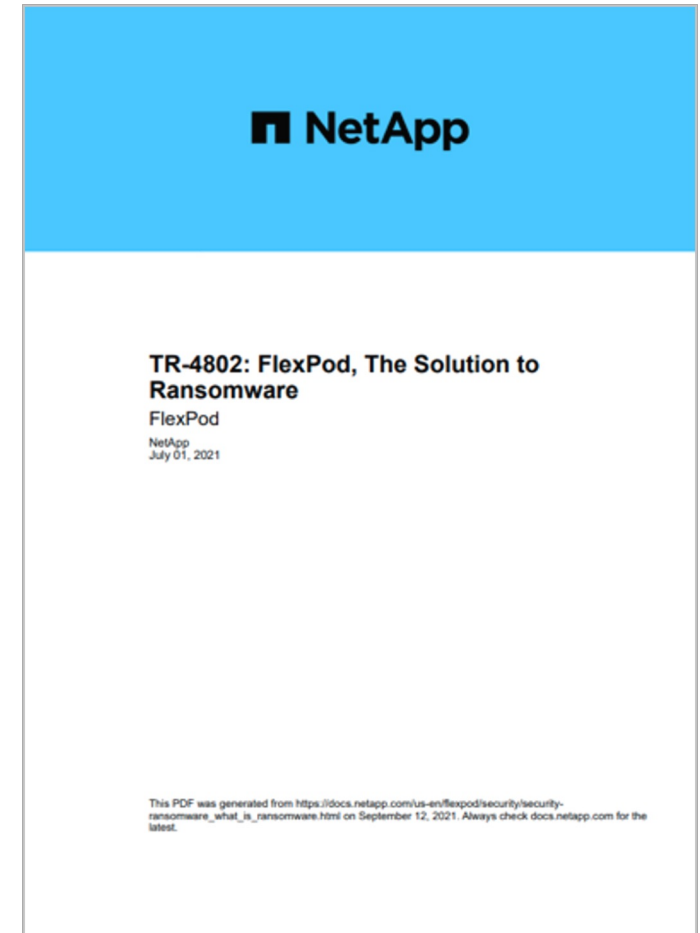
NetApp
Cisco

1



Ransomware and FlexPod

Prevent - detect - mitigate

- Stop known attacks from infecting data
- NetApp Snapshot, SnapRestore, SnapCenter, SnapLock, Fpolicy
- Cisco NetFlow, Advanced Malware Protection for Endpoints and Email, Firepower Next-Generation Intrusion Prevention System
- Technical Report - TR-4802: FlexPod, The Solution to Ransomware







NetApp Ransomware Tools

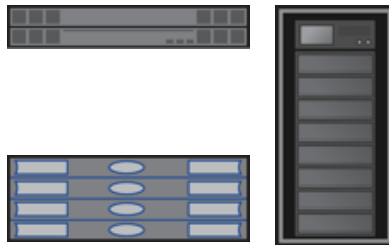
 Detection and prevention 





Clients/Endpoints

 Remediation and restoration 



 Detection and prevention 



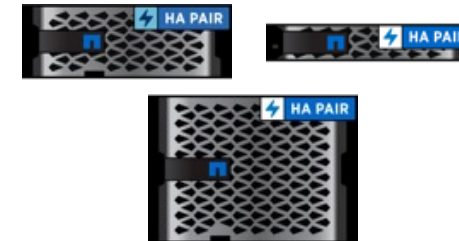
Servers and Databases

 Remediation and restoration 



SnapShot, SnapRestore, SnapCenter

 Detection and prevention 

fPolicy, Cloud Insights





Enterprise File Services (NAS)

 Remediation and restoration 

SnapShot, SnapRestore, SnapCenter

Remember that no ransomware detection and prevention solution is a 100% full proof guarantee.



NetApp and Cisco Ransomware Tools



 Detection and prevention 

 Secure Endpoint

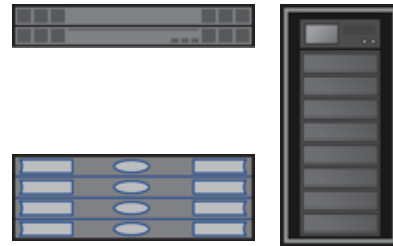


Clients/Endpoints



 Remediation and restoration 

 Detection and prevention 



 Secure Workload



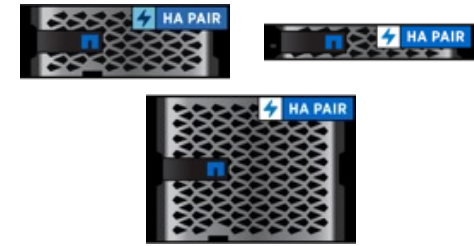
Servers and Databases

 Remediation and restoration 



SnapShot, SnapRestore, SnapCenter

 Detection and prevention 

 Secure Firewall fPolicy, Cloud Insights



Enterprise File Services (NAS)

 Remediation and restoration 

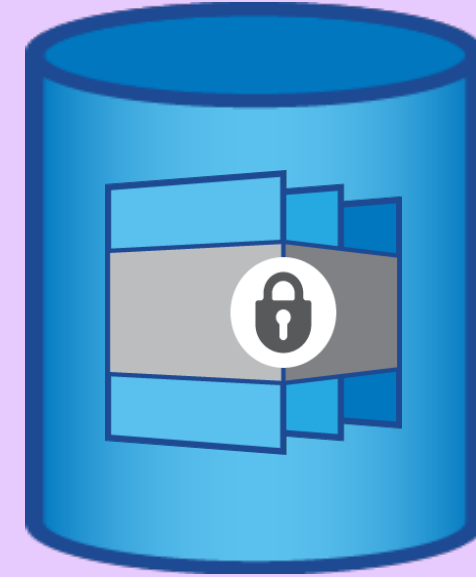
SnapShot, SnapRestore, SnapCenter

Remember that no ransomware detection and prevention solution is a 100% full proof guarantee.

Tamperproof Snapshot copies using Snapshot copy locking

Rapidly create tamperproof recovery points

- By leveraging NetApp® SnapLock® technology, NetApp Snapshot™ copies are now protected from deletion by compromised administrator credentials or an internal rogue administrator attack
- Snapshot copies can't be deleted or changed, even by NetApp support
- Enables rapid recovery in the event of data damage by providing an **immutable recovery point on the primary data source**
- Protection applies to **Snapshot copies on both the primary and secondary systems**
- Volumes or local tiers with tamperproof Snapshot copies can't be deleted
- Available with ONTAP 9.12.1



Tamperproof Snapshot copies
protect against
cybersecurity threats

Coming Soon

