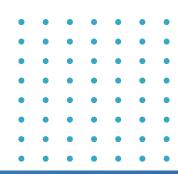


# Protect & Recover your NetApp Filers from Ransomware Attacks

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#### About us

#### Leading Provider of Data Protection and Data Management Solutions

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### **Quick Facts**

World class support organization: 95% Customer satisfaction



20+ year history protecting data for the world's largest organizations



Transparent pricing and great value



End-to-end support 24/7 commitment



1000+ global customers

























### Smart Data Protection and Security Solutions



Smart Choice in Data Protection



Smart Home for Cloud Data Protection



NetApp Tools



An efficient and flexible allpurpose data protection solution supporting disk, tape, and cloud



Data protection for open virtualization platforms such as RHV/oVirt, Nutanix Acropolis, Citrix XenServer, Oracle VM and KVM, among others



Data protection as a service for cloud native workloads: Kubernetes and Cloud Databases

Zero Infrastructure at Cloud Scale



Ransomware detection and recovery



File index, search, and restore



File data analysis





### NetApp: Ransomware Detection and Protection



01

Real-time detection of ransomware on NetApp file systems

Stops spread of infection with automatic user blocking

02

03

One-button restore of affected files from NetApp snapshots

Access transparency: file access auditing (who touched what files)

04

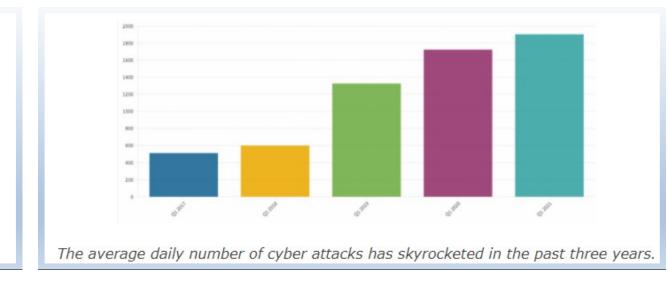




# NetApp: Ransomware Detection and Protection

# UK organisations have faced 172,000 cyber attacks so far this year

UK organisations were subjected to almost 2,000 cyber attacks a day in the first quarter of 2021, according to a Beaming study.





### Finastra, World's Third Largest Fintech, Hit by Ransomware







# Ransomware – A growing 'industry'

\*Experts predict there will be a ransomware attack every 11 seconds in 2021





# Do you think these companies didn't have Endpoint/Edge Protection?



Easyjet hacked: 9 million people's data accessed plus 2,200 folks' credit card details grabbed

All together now: The hackers were 'highly sophisticated'



If you think safety is expensive... try an accident!

# Cognizant



Redcar & Cleveland Council confirms ransomware attack

Local authority's systems are still offline nearly three weeks after being attacked

Maze ransomware attack will cost Cognizant at least \$50m to \$70m

Cognizant's clients cut off the IT supplier's access to their networks to contain a Maze ransomware attack – effectively putting projects on hold



Warwick University was hacked and kept breach secret from students and staff

Multiple data breaches have taken place at the Russell Group university, but none have been communicated to those affected.



Protect your company's data. Don't be another news headline.





### **User & Data Access Transparency**







- CryptoSpike monitors and logs all user file access (reads, writes, opens, etc.) for an additional level of security auditing
- Identify who was infected, who accessed which files, made changes to files, deleted files, etc





# How CryptoSpike Blocks Ransomware



#### Blocklist

- Blocks known ransomware signatures and file types.
- Updated automatically.
- Filters can also be added manually.



#### **Passlist**

- Blocks all files EXCEPT allowed file list.
- Good security but limits types of files.
- Effective when applied at a granular level (e.g. an accounting folder allows only Excel files).



#### Learner Module

- Monitors user behavior on file system to detect day-one threats.
- Detects unusual behavior (e.g. too many files changed in a period of time) and cuts off user access.





### User Blocking and File Recovery



#### User blocking

- Ransomware is correlated to the infected user
- User is blocked via calls to NetApp FPolicy server (blocked = set to read-only file access)



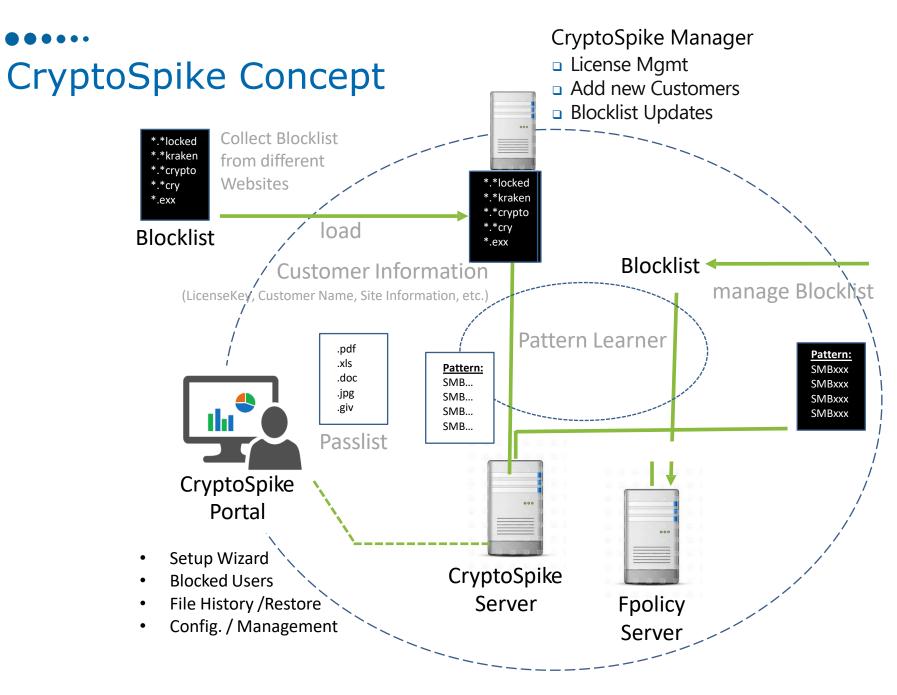
#### Targeted File Recovery

- CryptoSpike identifies the infected files
- Push-button recovery of only the infected files using NetApp snapshots
- No need to roll-back an entire volume or folder



#### **User Remediation**

- The infected user is identified
- This allows IT security team to pull the infected device from the network and apply remediation measures

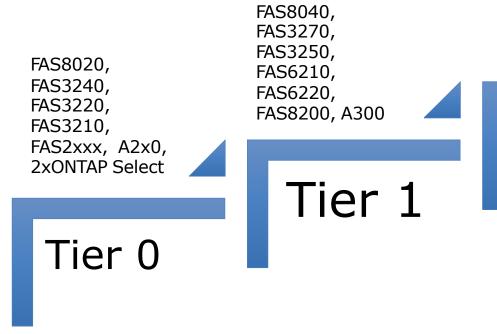












- Licensing is per-controller node (e.g. dual node HA pair is two licenses)
- Licensing is tiered by NetApp system size (see tiers at left)
- No additional charge for number of files, amount of disk capacity, etc.

FAS8080, FAS8080EX, FAS6280, FAS6290, FAS9000, A700, A800

Tier 3

- ✓ License is subscription-based, priced per month, with minimum one year purchase
- All nodes in a cluster must be licensed, even if they are not using NAS protocols

FAS8060,

FAS6240,

FAS6250,

Tier 2

A700s





# Your Last Line of Defense Against Ransomware – Backup and Recovery

#### Your backup data is secure

- All DPX block and agentless backups are stored as immutable snapshots
- Air-gap security in the form of backup/archive to tape or cloud
- ➤ Supports the 3-2-1 rule for backup retention backups onsite, offsite (via replication), on tape, or in the cloud



#### **Back up your critical systems more frequently**

- Creates incremental app aware backups for physical and virtual environments
- Multiple recovery points so you can spin the clock back to just before the infection happened
- Verification to ensure data can be successfully recovered (block level only)

#### Fast recovery back to operational status

- Instant recovery of virtual machines, servers, files, or folders
- Recovery from off-site backup in case your on-premise data is inaccessible
- Reporting to show total amount of data protected by day; early warning of significant changes





# Next Steps

Get in touch with us! We can then take the following steps:

- Provide pricing
  - All we require for CryptoSpike are your filer models
  - All we required for DPX is the amount of source data (TB) you wish to protect
- Complete a free assessment of your current data protection strategy
- Free PoC trial licence for CryptoSpike and DPX
  - Simple set up
- Purchase CryptoSpike and enhance your data security and visibility across your NetApp estate
- Purchase DPX and enhance your data protection and data recovery capabilities to ensure you can recover under any circumstance including Ransomware Attacks









Speak 1-on-1 with one of our experts:

• Schedule your <u>demo/technical session</u>

Click below to learn more:

- NetApp Page
- Upcoming Webinars

#### Contact Us:

info@catalogicsoftware.com

# **Try CryptoSpike for FREE for 60 Days**

Q&A











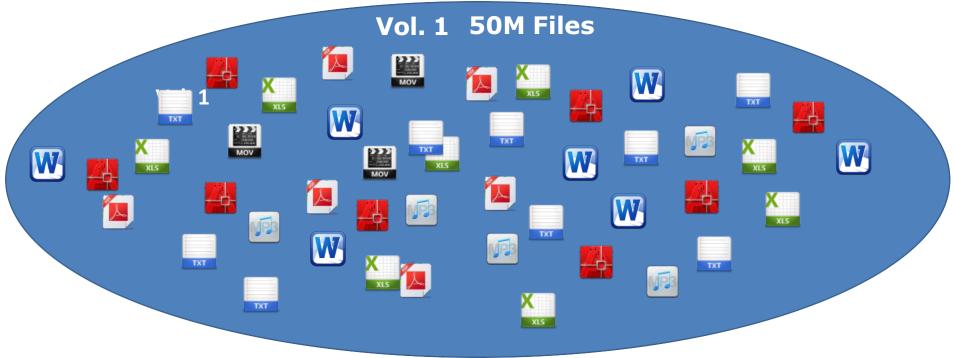






# Operation

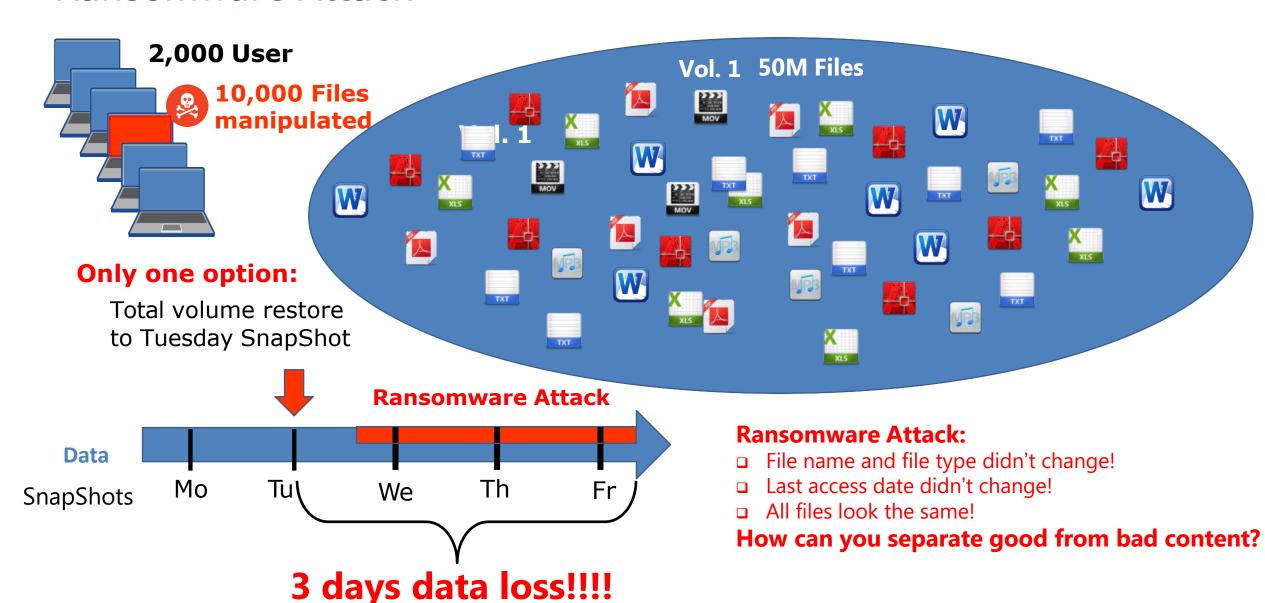
# 2,000 Users







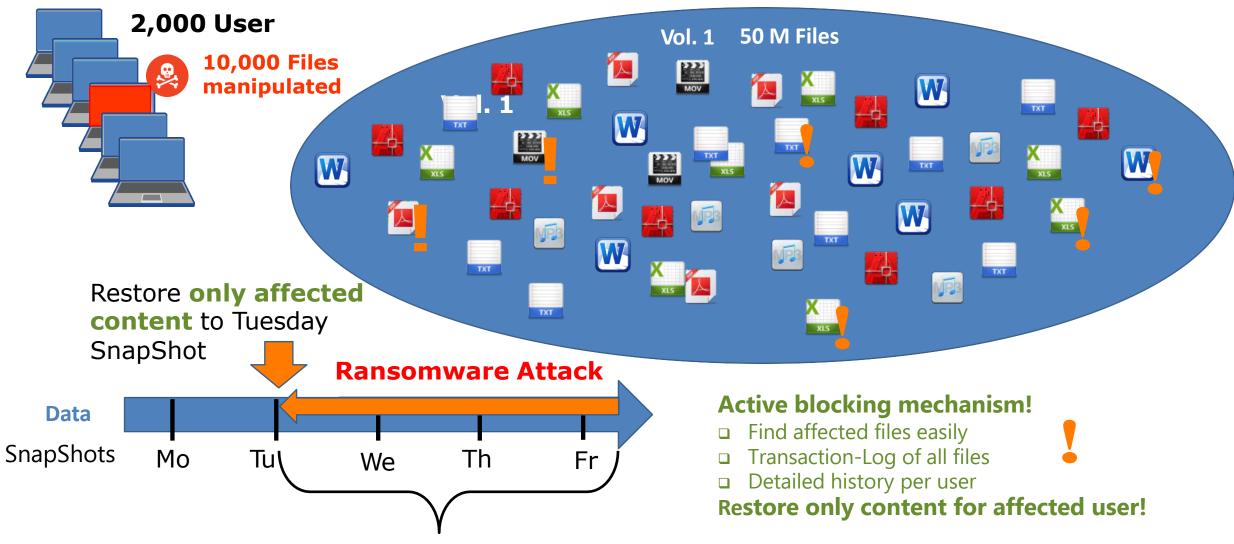
#### Ransomware Attack







# Solution: CryptoSpike



All other users continue without data loss!