

# Nutanix au Service de la Sécurité

Protégez vos VMs, Fichiers et Objets contre les Ransomwares

**NUTANIX**



# Agenda

- 01** 2024 Data Trends
- 02** Nutanix Data Lens
- 03** **Demo** - Don't just take our word for it...

cyberattaque

**Le groupe Swisspro victime  
d'une attaque par ransomware**

grande de rançon

**Touché par un ransomware,  
Schlatter Industries a relancé  
ses systèmes (update)**

Black Basta

**ABB reconnaît avoir été victime  
d'un vol de données (update)**

Mer 24.05.2023 - 14:30

Ransomware

**Merck perd 310 millions de  
dollars à cause du malware  
NotPetya**

**Des milliers de PME privées de lo-  
giciel de compta**

**Victime d'une attaque informatique de son hébergeur cloud,  
le logiciel de gestion de factures, de comptabilité et de  
salaires Winbiz ne peut pas être utilisé depuis lundi. Le retour  
à la normale prendra du temps.**



**It's not if,  
it's when.**

# Stay Ahead of the Curve in 2024



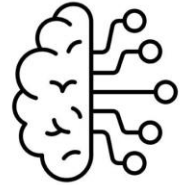
**Double & Triple  
Extortion**



**Ransomware-as-  
a-Service**



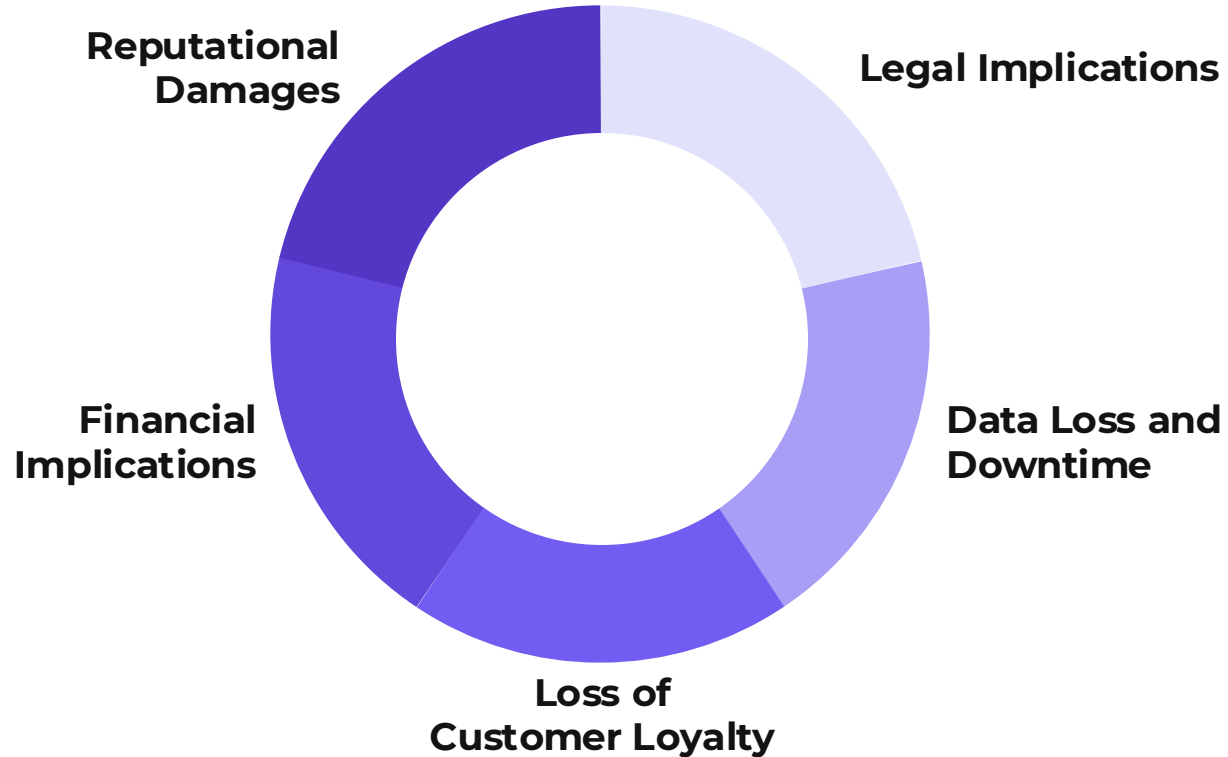
**Supply Chain  
Attacks**



**Generative  
AI**

# What this means for your business

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# Cyber attacks are expensive!

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**\$1B**

Ransom payments  
in 2023

**95%**

Percentage up  
from 2022 to 2023 in  
ransomware attacks

**72%**

of organizations have been  
impacted by ransomware  
globally in 2023

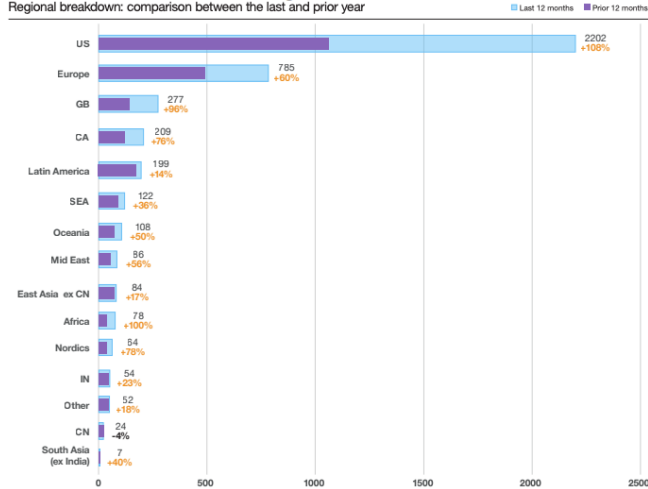
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“By 2025, 40% of all enterprises will require storage products to have **integrated ransomware defense mechanisms**, up from 10% in 2021.”

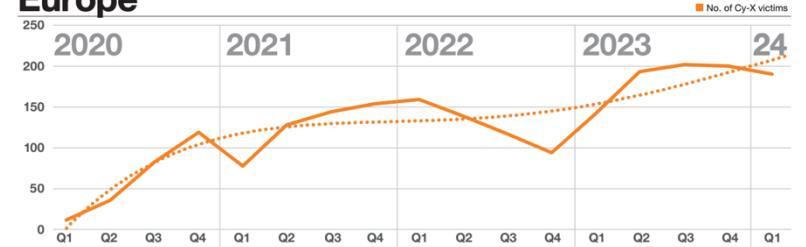
# Cyber extortion in Europe

## Shift in victims by region

Regional breakdown: comparison between the last and prior year

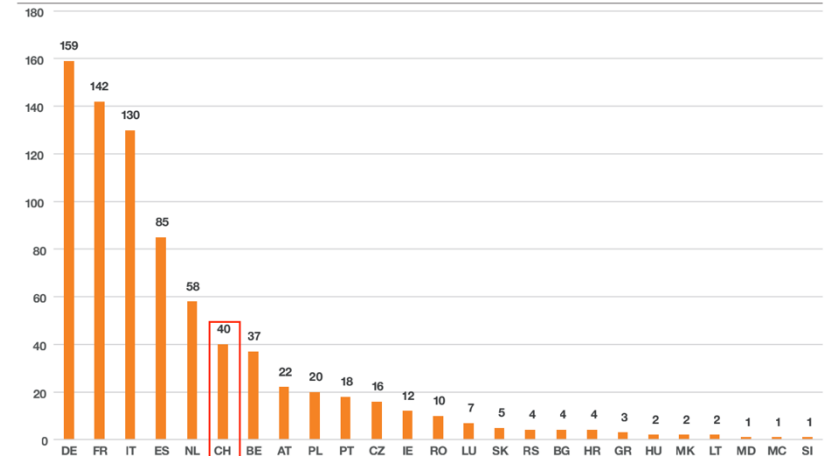


## Europe



## Europe: Country split

Victim count in european countries



## Switzerland







**Don't become  
another statistic.**

# From End to End, Nutanix Has You Covered



## Prism Security Dashboard

Platform-level visibility into your Nutanix security posture



## Security Central for Flow Network Security

Application and Network-level focus on vulnerabilities and microsegmentation planning



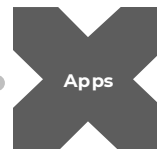
## Security Central for Public Cloud

Public cloud security compliance and governance for your Nutanix workloads



## Data Lens

SaaS-based data security solution offering ransomware resilience and global data visibility for unstructured data on NCP

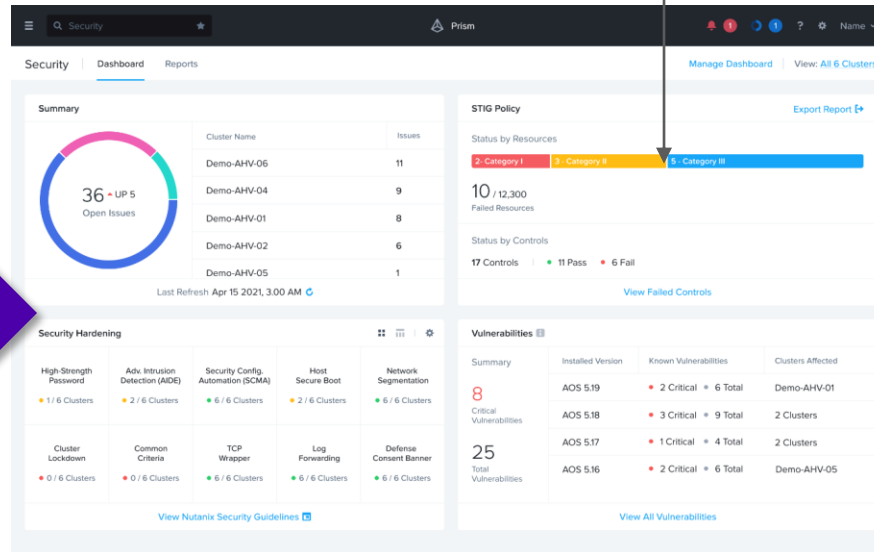


# Prism Security Dashboard: Platform



Overall Summary View

Compliance governance at your fingertips



NCI / NCM  
Prism Central  
Security Dashboard

Security Configuration and Hardening

Vulnerability Patch Summary

Centralized to focus on platform + infrastructure

Looks at Security Hardening holistically across all nodes and clusters

Integrates CVE vulnerability monitoring

# VM Secure Snapshots



### Approval Policy Details

Name: Platinum Approval Policy

Description: This is an approval policy to protect DR actions (Finance Org and n... its description goes on multiple lines.

Approver Set 1: DR Approvers

- john.citizen john.citizen@longcompany.co
- sarah.bennet sarah.bennet@longcompany.co
- ozzy.lusth ozzy.lusth@longcompany.co

Approver Set 2: Security Managers

- della.vista della.vista@longcompany.co
- mary.avery mary.avery@longcompany.co
- tj.bingle tara.jersey.bingle@longcompany.co

### Disaster Recovery (DR) Approvals Trigger

Deleting future Recovery Points of the Protection Policies you choose will need approval. Approval is not needed to update or delete selected Protection Policies. We don't support approvals for deleting in Prism Element.

Entities to secure with approvals

Gold Policy × Silver Policy × Tag ×

- Gold Policy
- Silver Policy
- Bronze Policy

The screenshot shows the VMware Prism Element interface. At the top, there's a navigation bar with 'Infrastructure' and a search bar. A sidebar on the left lists various management categories like 'Compute & Storage', 'Network & Security', and 'Disaster Recovery'. The main content area displays an approval request titled 'Delete Recovery Point: 1:53 PM, 28 Apr 2022(Test-point)'. The request information includes: Date & Time (Apr 1, 2023 11:00 AM), Expiry (Apr 2, 2023 11:00 AM), Protection Policy (Gold Policy), Location (pc-baru09954), and Requester (bobbyjon). On the right, there are two sections: 'Approver Sets' for 'Platinum Approval Policy' and 'Security Managers'. Both sections list approvers with 'Approved' status: John.citizen, Sarah.bennet, ozzy.lusth, Della.vista, Mary.avery, and tj.bingle.



# Data Security at Your Fingertips with Data Lens



## Prism Security Dashboard

Platform-level visibility into your Nutanix security posture



## Security Central for Flow Network Security

Application and Network-level focus on vulnerabilities and microsegmentation planning



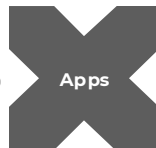
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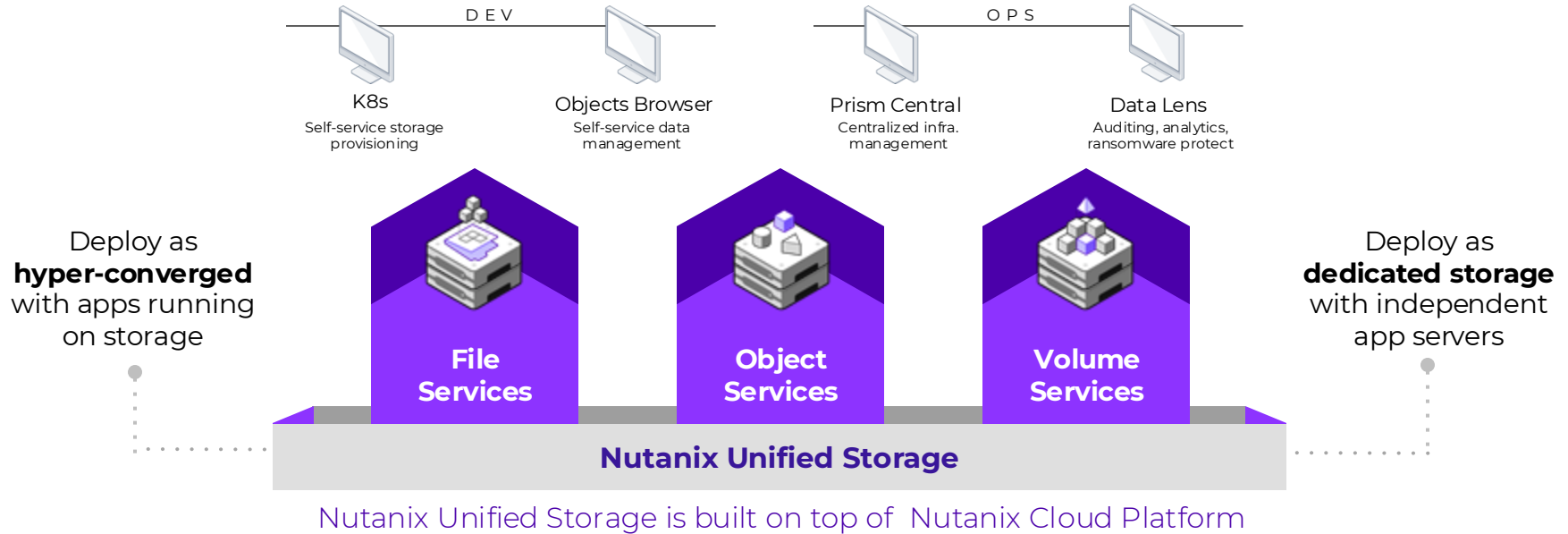


## Data Lens

SaaS-based data security solution offering ransomware resilience and global data visibility for unstructured data on NCP

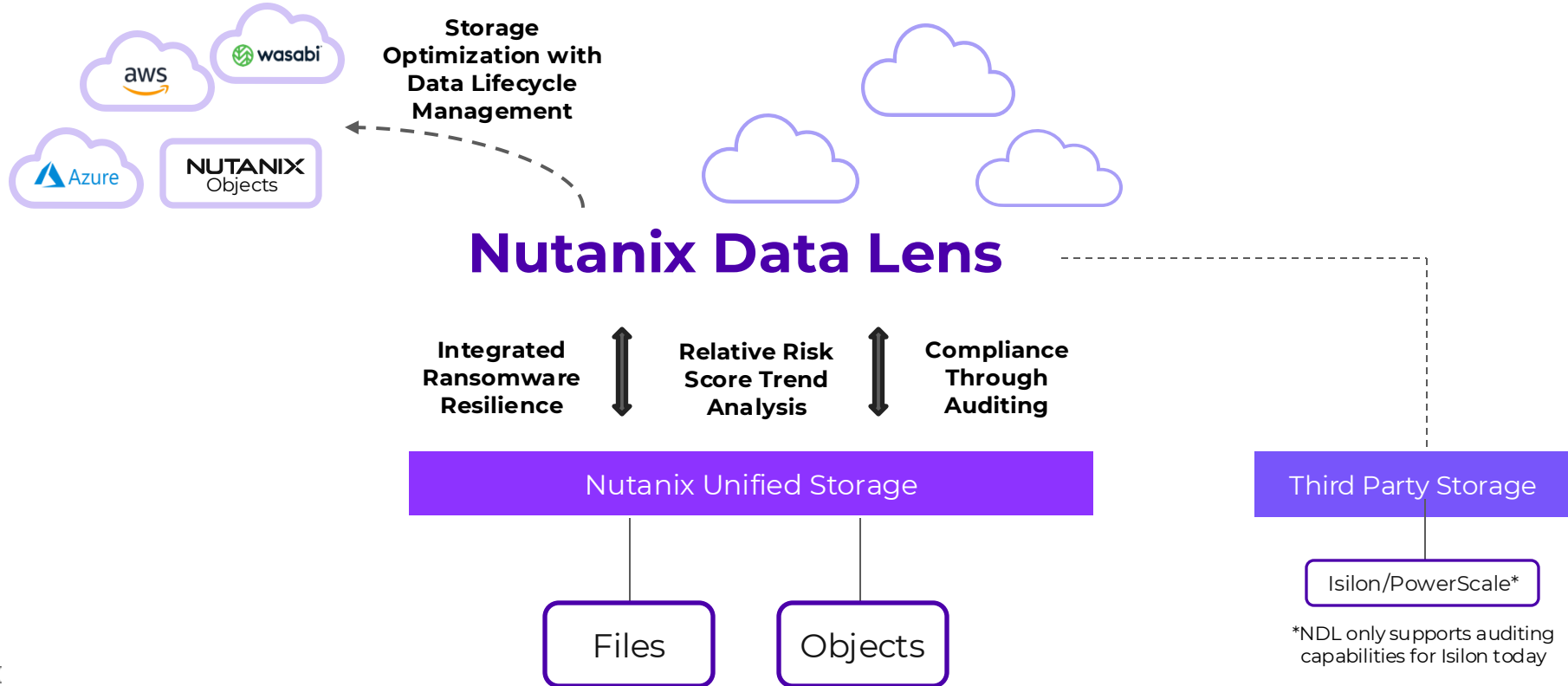


# Unified storage services for all workloads



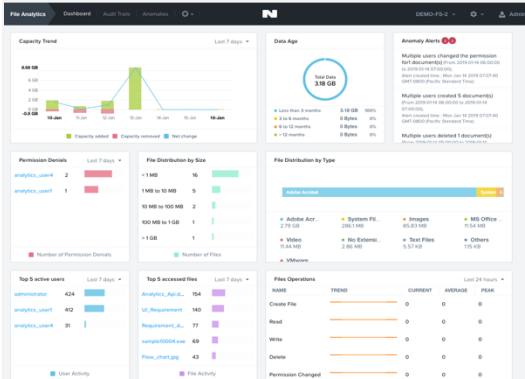
Software Defined Data Services | Security-First Design | Start Small and Scale Out | Flexible Consumption

# Safeguard your unstructured data with Data Lens



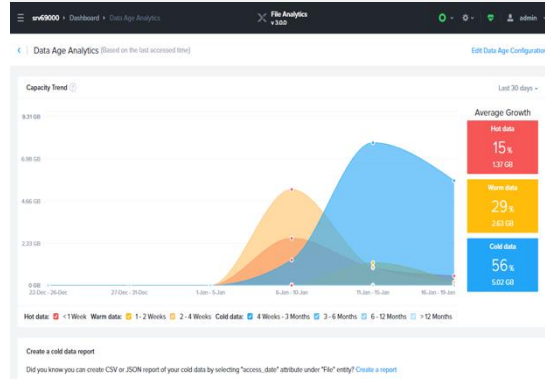
# Take the guesswork out of data analytics

## Usage Analytics



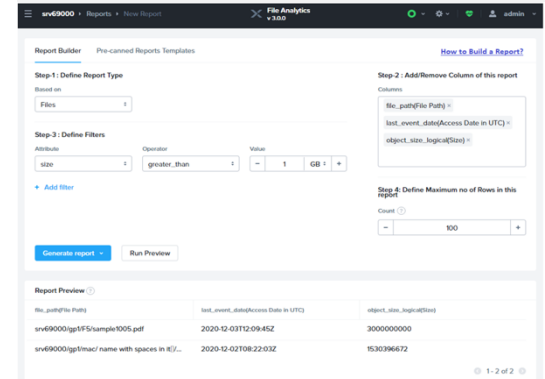
Analyze how your systems are consumed

## Data Age Analytics



Analyze your hot, warm, and cold data trends

## Custom Reports



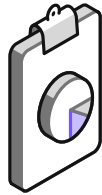
Get customized reports for deeper insights



# Compliance beyond checking the box



**Audit  
Trails**



**Custom  
Reporting**



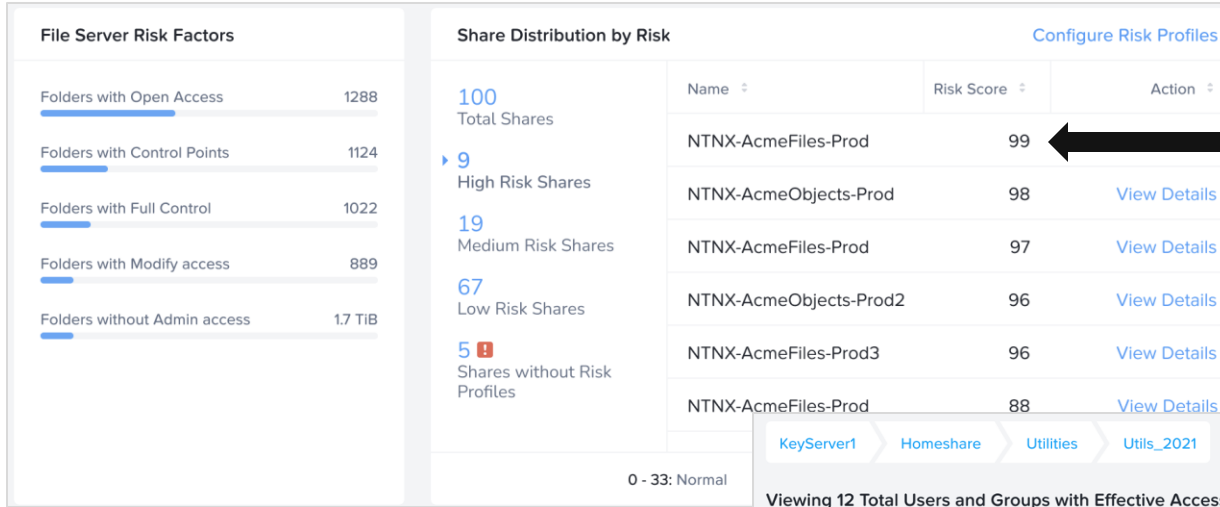
**Compliance  
Regulations**



**Permissions/Risk  
Visualization**



# Don't Let Risk Hide from You Anymore



Relative risk scores highlight areas of focus

Easily understand effective rights

KeyServer1 > Homeshare > Utilities > Utils\_2021

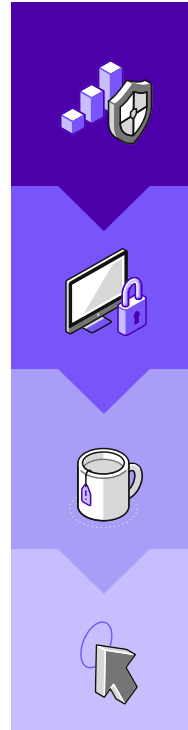
Viewing 12 Total Users and Groups with Effective Access

User or Group Name	Full Control	Modify	Read & Execute	Write	Read
Dev_SJC (77 Users)	✓	✓	✓	✓	✓
Everyone (98 Users)	–	–	–	–	–
Domain Users (97 Users)	–	–	–	–	–
Hal Jordan	✓	✓	✓	✓	✓

# Active Defense for Ransomware Resilience

**Behavioral Pattern Detection**  
With the help of pattern detection, NDL can protect data from all malicious actors to always keep data safe.

**1-Click Recovery**  
Confidently return to normal automatically or through 1-click recovery using the last taken snapshot.



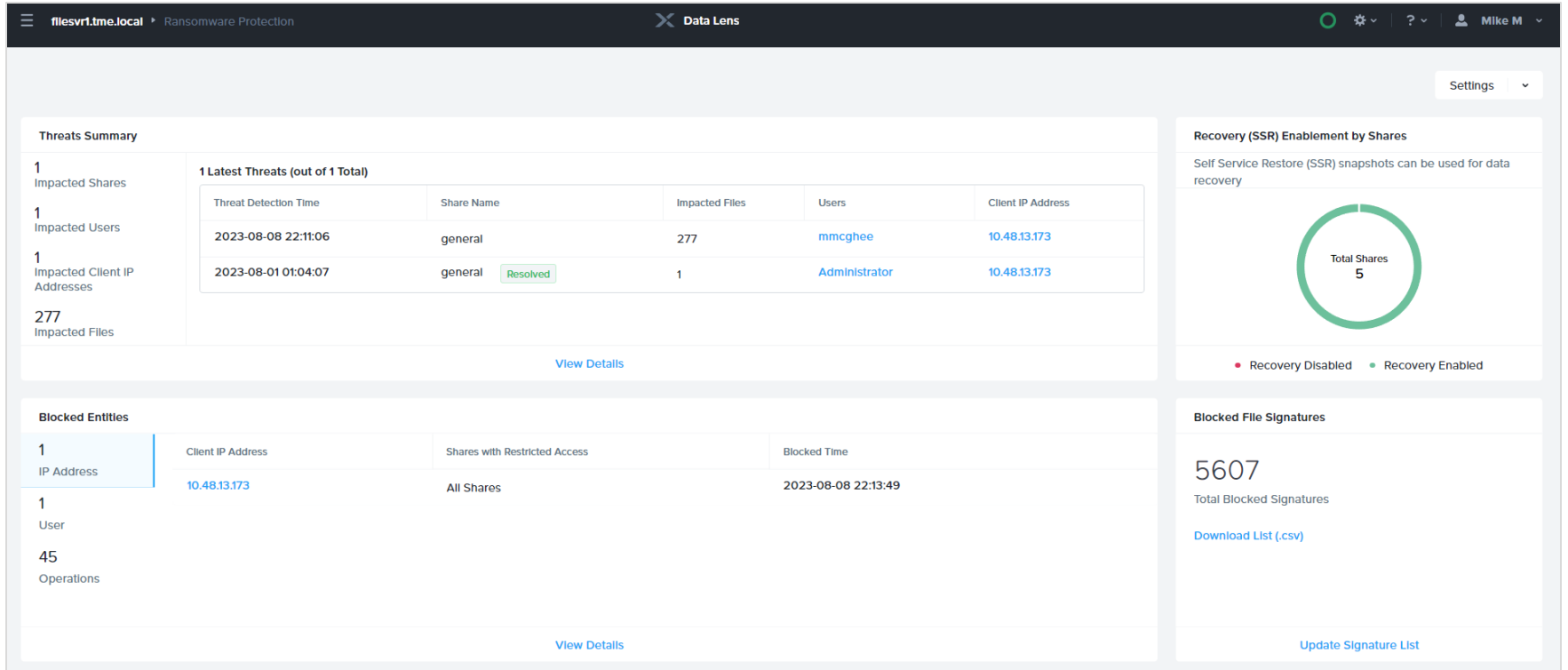
## Ransomware Threat Detection

100% of known ransomware signatures in the repository of 5100+ signatures today will be blocked 100% of the time.

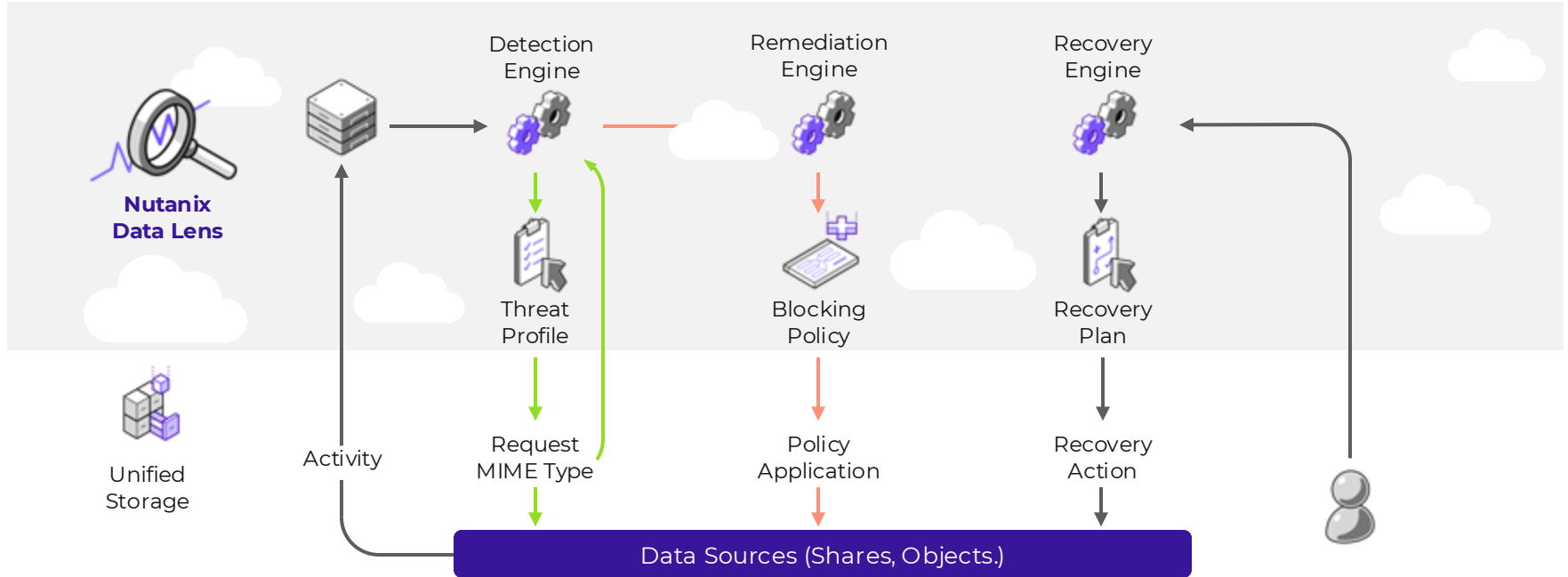
## Monitor and Generate Security Alerts on Anomalous Activity

Automatically generate alerts for anomalous activities and set policies to block threats.

# Intuitive Monitoring to Visualize Threats



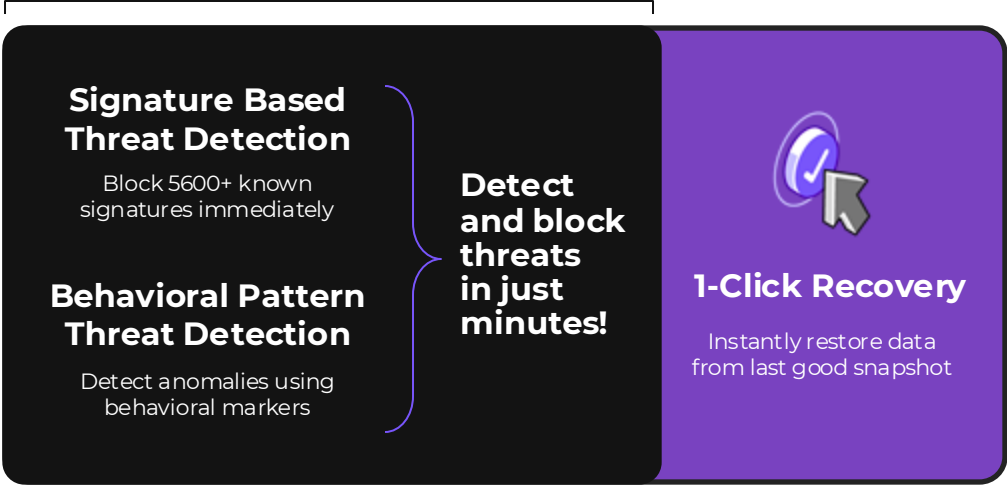
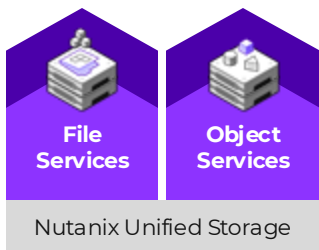
# From Detection to Recovery, We Got It Covered



# Detect and Block Threats in Minutes!

**< 20-minute**

**Threat Containment Window**



- ✓ Stop threats in their tracks
- ✓ Minimize data loss and return to business as usual
- ✓ NIST compliant



**Nutanix Data Lens**

# Demo

NUTANIX

Congratulations! 90 days of Prism Ultimate is on us, enjoy! [See what's included here.](#)

Files

Prism

admin

NTNX-LAB-FS01

Dashboard

Monitoring

Shares &amp; Exports

Data Management

Alerts &amp; Events

Tasks

Configuration

REST API Explorer

## Capacity Summary

309.46 GiB

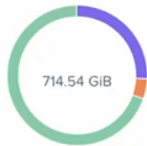
Total Data (Logical)

186.24 GiB

Total Used (Physical)

1.66 : 1

Data Reduction



• Live data

264.64 GiB

• Snapshot data

44.82 GiB

• Free Capacity

714.54 GiB

## Smart Tiering

Not Configured

0 GiB

Total Tiered Data

[View Usage Details](#)

## File Server Health

Status

Healthy

Alerts

0 0 0

## Performance Summary

Last 24 Hours

2.47 MBps

Max Throughput

76

Max Total IOPS

317  $\mu$ s

Max Latency

## Throughput

2.47 MBps

06:05 PM 09:20 PM 12:35 AM 03:50 AM 07:05 AM 10:20 AM 02:45 PM

 Write Throughput Read Throughput

## Nutanix Data Lens

Nutanix Data Lens provides deep insights, analytics and greater visibility for your data that includes audit trails, user access, custom reporting, anomaly detection and ransomware protection.

Status

Enabled

Edition

FA Cloud



# MERCI DE VOTRE ATTENTION !

**Sondage de satisfaction**  
Merci de votre feedback



**Scannez-moi**