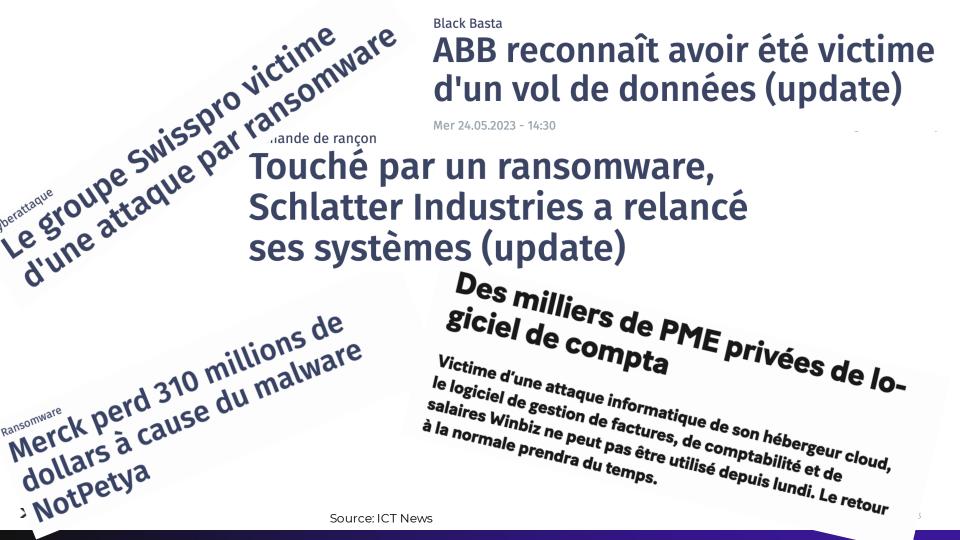
## Nutanix au Service de la Sécurité

Protégez vos VMs, Fichiers et Objets contre les Ransomwares





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





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

### Stay Ahead of the Curve in 2024

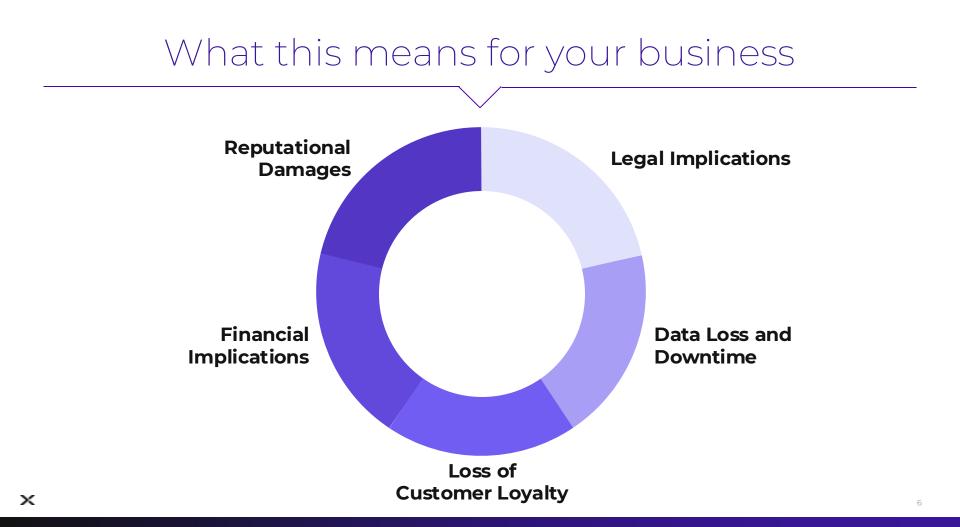








Double & Triple Extortion Ransomware-asa-Service Supply Chain Attacks Generative Al

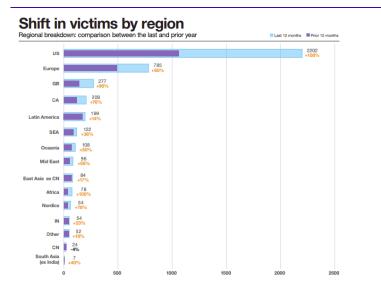


### Cyber attacks are expensive!

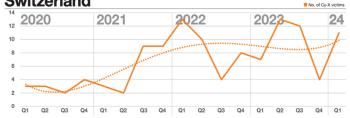


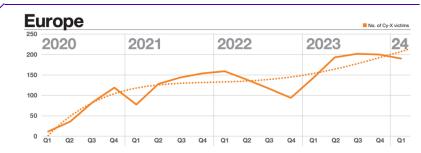
# "By 2025, 40% of all enterprises will require storage products to have **integrated ransomware defense mechanisms**, up from 10% in 2021."

### Cyber extorsion in Europe

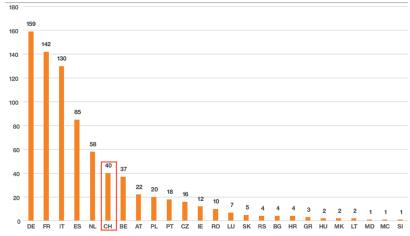


### Switzerland





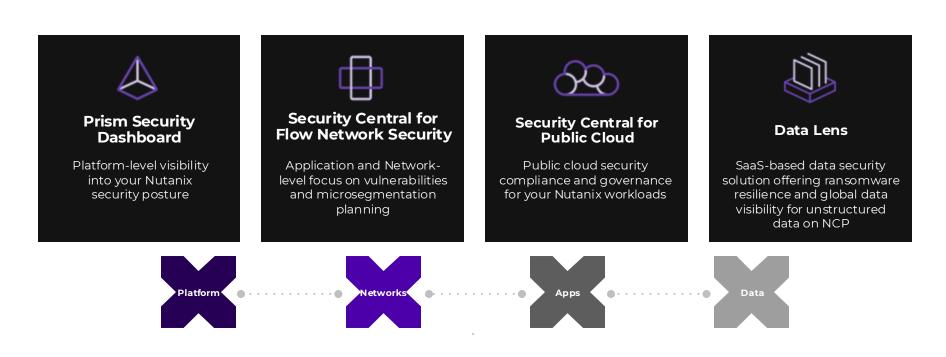
#### **Europe: Country split** Victim count in european countries





# Don't become another statistic.

## From End to End, Nutanix Has You Covered



# Prism Security Dashboard: Platform 🎇

Overall Summary View

Compliance governance at your fingertips

	≡ Q. Security ★				la Prism			÷ 🚺 🗯	🐥 🚺 🔾 🚺 📍 💠 Name ~		
	Security Da	Security Dashboard Reports							Manage Dashboard View: All 6 Clusters		
	Summary	Summary STIG Policy						Export Report F+			
NCI / NCM			Cluster Name		Issues	Status by Resource	ces	$\bot$			
			Demo-AHV-06	Demo-AHV-06 11 2: Category I 3- Category II		5 - Category III	5 - Category III				
	36	36 • UP 5 Demo-AHV-04		9	10 / 12,300 Failed Resources						
	Open	In Issues	Open Issues Demo-AHV-01			8					
			Demo-AHV-02		6	Status by Controls 17 Controls • 11 Pass • 6 Fail					
			Demo-AHV-05 1								
Prism Central		Last Refresh Apr 15 2021, 3.00 AM C					View Failed Controls				
Security Dashboard	Security Harden	Security Hardening				Vulnerabilities 🔢					
Security Dashboard	High-Strength	Adv. Intrusion	Security Config.	Host	Network	Summary Installed Version	Known Vulnerabilities	Clusters Affected			
	Password 1/6 Clusters	Detection (AIDE)	Automation (SCMA)		Segmentation • 6 / 6 Clusters	8	AOS 5.19	• 2 Critical • 6 Total	Demo-AHV-01		
	- 170 Galatera	s Z/O Clusters	C C C C C C C C C C C C C C C C C C C	- 1 / o clusters	• 07 0 Closers	Critical Vulnerabilities	AOS 5.18	• 3 Critical • 9 Total	2 Clusters		
	Cluster	Common	TCP	Log	Defense	r 25	AOS 5.17	• 1 Critical    • 4 Total	2 Clusters		
	O / 6 Clusters	Criteria • 0 / 6 Clusters	Wrapper • 6 / 6 Clusters	Forwarding     6 / 6 Clusters	Consent Banner     6 / 6 Clusters		AOS 5.16	2 Critical      6 Total	Demo-AHV-05		
		View Nutanix Security Guidelines 🖪					View All Vulnerabilities				

Centralized to focus on platform + infrastructure

Looks at Security Hardening holistically across all nodes and clusters

Integrates CVE vulnerability monitoring

Security Configuration and Hardening

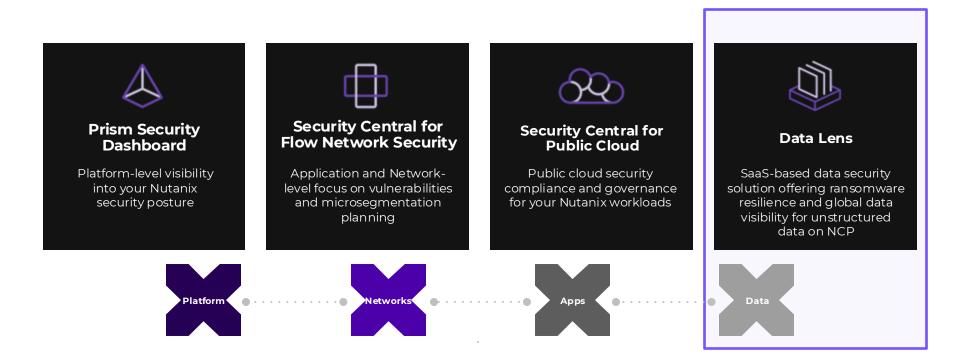
Vulnerability Patch Summary

# VM Secure Snapshots

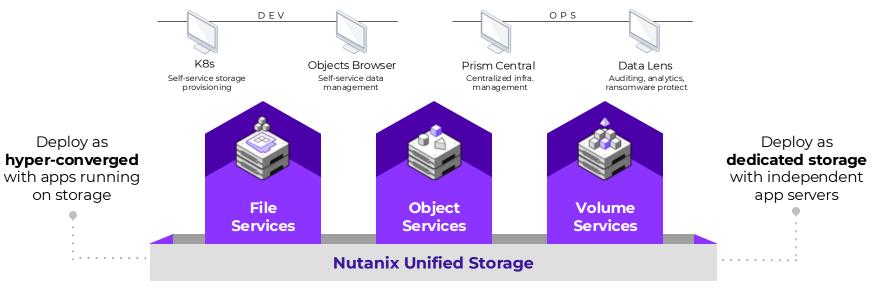
#### Approval Policy Details

Name	Platinum Approval Policy			•	٩	, Search here 🟠	÷ 🚺 🖻 🔇	1) 🌣 Name 🗸
Description	This is an approval policy to protect DR actions (Finance Org and n its description goes on multiple lines.	Dashboard		< Approved	Delete Recover	ry Point: 1:53 PM, 28 Apr 2022(Test-point)		
Approver Set 1	DR Approvers	Compute & Storage	J.		Request Information		Approver Sets Platinum Approval Policy	
	john.citizen john.citizen@longcompany.co	Network & Security	v		Date & Time	Apr 1, 2023 11.00 AM	DR Approvers	
	sarah.bennet sarah.bennet@longcompany.co	Disaster Recovery	^		Expiry	Apr 2, 2023 11:00 AM	John.citizen	Approved
	ozzy.lusth ozzy.lusth@longcompany.co	Protection Summary	☆		Protection Policy	Gold Policy	Sarah.bennet	Approved
		Protection Policies			Location	pc-baruf09954 bobby.jon		Approved
Approver Set 2	Security Managers	Recovery Plans	☆ _		Requester	bobby.jon	ozzy.lusth	M White a
	della.vista della.vista@longcompany.co	VM Recovery Points VG Recovery Points	요 요				+	
	mary.avery mary.avery@longcompany.co	Consistency Groups	ដ				Security Managers	
	tj.bingle tara.jersey.bingle@longcompany.co	Approval Policy	ு ஓ				Della.vista	Approved
		Hardware	~				Mary.avery	Approved
		Activity	~				tj.bingle	Approved
Disaster Recover	y (DR) Approvals Trigger	Operations	~					
Approval is not n	ecovery Points of the Protection Policies you choose will need appro eeded to update or delete selected Protection Policies. We don't su eting in Prism Element. ith approvals		č					
Gold Policy ×	Silver Policy × Tag ×	🌣 Page 1						
<ul><li>Gold Policy</li><li>Silver Policy</li></ul>	,							
Bronze Poli	cy							
								10

## Data Security at Your Fingertips with Data Lens



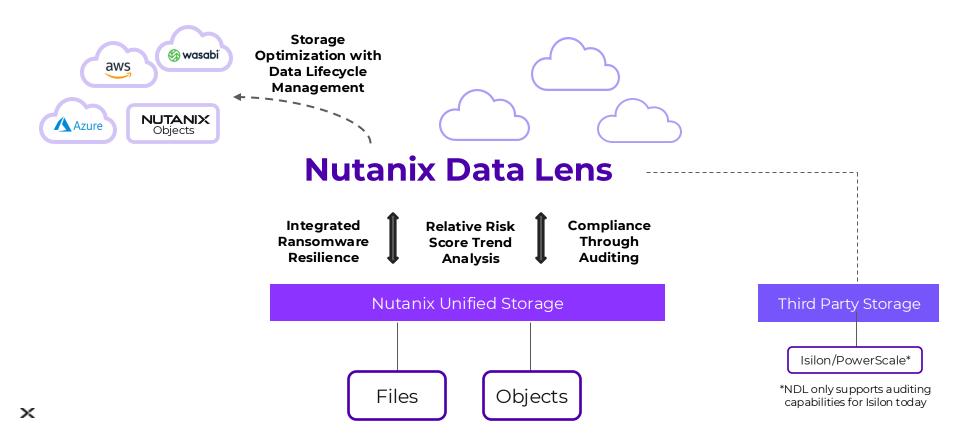
## Unified storage services for all workloads



Nutanix Unified Storage is built on top of Nutanix Cloud Platform

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**

e Analytics Deshboard Aust h	als Anomalies O -	N		DEMO-FS	H2 Y 1	¢ - ≜
Capacity Trend	Last7 days =	Data Age		Anomaly Alerts	00	
6.00 6.00 0.00	0 Jan Wulan Guan Noan Apenty senses 👔 Tet change	• Less than 3 membre         A160           • Liss than 3 membre         0 hybre           • Liss than 3 membre         0 hybre	s 0% s 0%	Nultiple users of fart document() to 2016-054 (200) Anot created time cart oscolo prester Multiple users of phone 2016-054 (0 07-000) Anot created time Cart Oscolo prester Multiple users d Since 3476-054 (0	(Prom 2019-0 200), Man Jan H 2 Standard Time rested 5 dac 6 00:00 to 20 Man Jan H 2 Standard Time eleted 1 dac	614 06:00:00 019 07:07:40 () () () () () () () () () () () () ()
Permission Denials Last 7 days	File Distribution by Size	File Distribution by Type				
nalytics_user4 2	<1MB 16					
nalytics_user1 1	1 M8 to 10 M8 5	Adobe Acrobet				System 1
	10 MB to 100 MB 2					
	100 MB to 1 GB 1	Adobe Acr      Sy 2.79 G8     2863	stem Fil MB	<ul> <li>Images 85.83 MB</li> </ul>		MS Office 54 MB
	>168 1		Extensi	Text Files		Others
Number of Permission Denials	Number of Files	11.44 MB 2.86	MB	5.57 KB	1.15	5 KB
Top 5 active users Last 7 days ¥	Top 5 accessed files Last 7 days +	Files Operations				st24 hours *
ministrator 424	Analytics_Api.d 154	NAME TREND		CURRENT	AVERAGE	PEAK
wytcs_user1 412	UL,Requirement 140	Create File		0	0	0
wytes_user4 31	Requirement_6 77	Read		0	0	0
	sample10004.eve 69	Write		0	0	0
	Row_chart.jpg 43	Delete		0	0	0
User Artivity	E File Activity	Permission Changed			0	

Analyze how your systems are consumed

### **Data Age Analytics**



#### Create a cold data report

Did you know you can create CSV or JSON report of your cold data by selecting "access\_date" attribute under "File" entity? Create a repo

### Analyze your hot, warm, and cold data trends

### **Custom Reports**

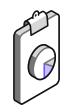
srv69000 + Reports + New Report	× File Analytics v3.0.0	O v 10 v   ♥   ≛ adm
Report Builder Pre-canned Reports Template	15	How to Build a Repor
Step 1: Define Report Type tions an File 1 Step 3: Define Filters dottool greater: Than 4: Add Titler Connected report - Ban Parview	1) - 1 001 +	Step 2. AddBenove Calums of this report Common Step participles Particle = Inst., overst. diskup(cores Dates in UTC) = object. Lines. Jugated States = Particle Content States and the set of the set of the Common States and the set of the set of the set of the Common States and the set of the set of the set of the set of the Common States and the set of the set
Report Preview 💿		
file_path(File Path) srv69000/gp1/F5/sample1005.pdf	last_event_date(Access Date in UTC) 2020-12-03T12:09:45Z	object_size_logical(Size) 3000000000
srv69000/gp1/mac/ name with spaces in it[/	2020-12-02TOR:22:03Z	1530396672

### 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

File Server Risk Factors Share Distribution by Risk				Configure Risk Profiles								
Folders with Open Access 1288 Folders with Control Points 1124		100 Name		Risk Score		re 🌻	e   Action		Relative risk			
		Total Shares	NTNX-4			99			<ul> <li>scores highlight</li> </ul>			
Folders with Full Control	1022	High Rick Shares				98	View Details		areas of focus			
olders with Modify access	889	Medium Risk Shares	NTNX-4	ITNX-AcmeObjects-Prod2 96 View		97	View Details					
Folders without Admin access	1.7 TiB	67 Low Risk Shares	NTNX-4			View Details						
		5 🖪 Shares without Risk	NTNX-4			96 View	View Details					
		Profiles	NTNX-4	AcmeFiles-Prod		88	View Details					
		0 - 3	33: Normal	KeyServer1 Viewing 12 Total	Homeshare Users and	Utilities Groups with I	Utils_2021 Effective Access					
				User or Group Na	ame 🍦	Full Contro	I û Modify	÷	Read & Execute 🔅	Write 🌻	Read	
Easily understand effective rights				Dev_SJC (77	Users)	~	~		~	~	~	
enect	Everyone (98		-	-		_	-	-				
				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** 

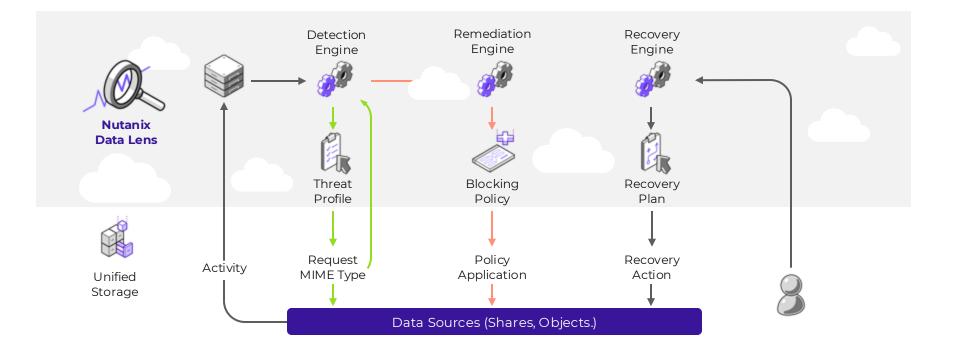
100% of known ransomware signatures in the repository of 5100+ signatures today will be blocked 100% of the time.

**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

∃ filesvr1.tme.local ▸	Ransomware Protection		🔀 Data Lens			○ ☆~   ?~	🛛 🚨 Mike M 🗸	
							Settings 🗸	
Threats Summary						Recovery (SSR) Enablement by Shares		
1 Impacted Shares	1 Latest Threats (out of 1 Total)					Self Service Restore (SSR) snapshots can be recovery	e used for data	
1	Threat Detection Time	Share Name	Impacted Files	Users	Client IP Address			
Impacted Users	2023-08-08 22:11:06	general	277	mmcghee	10.48.13.173			
1 Impacted Client IP Addresses	2023-08-01 01:04:07	general Resolved	1	Administrator	10.48.13.173	Total Shares 5		
277 Impacted Files								
		View Details				Recovery Disabled     Recovery	y Enabled	
Blocked Entitles						Blocked File Signatures		
1	Client IP Address	Shares with Restricted Access	Bl	ocked Time		5607		
IP Address	10.48.13.173	All Shares	20	023-08-08 22:13:49		5607 Total Blocked Signatures		
User 45 Operations		Download List (.csv)						
		View Details				Update Signature List		

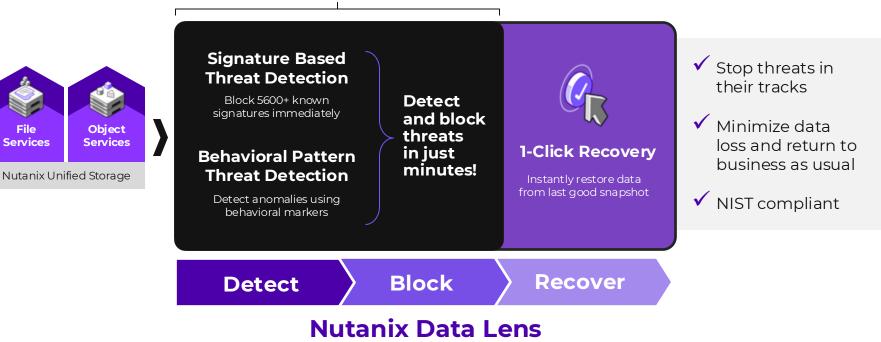
## From Detection to Recovery, We Got It Covered



## Detect and Block Threats in Minutes!

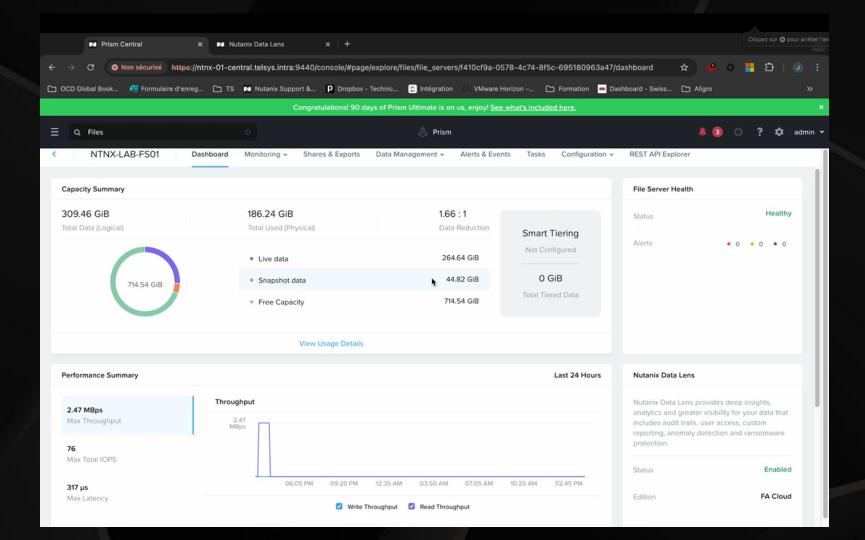
### < 20-minute

**Threat Containment Window** 



# Demo





# MERCI DE VOTRE ATTENTION !

### Sondage de satisfaction Merci de votre feedback



