Presidio & Varonis Presentation to MEEC

Insider Threats, Ransomware, Data Classification,& Permission

PRESIDIO®

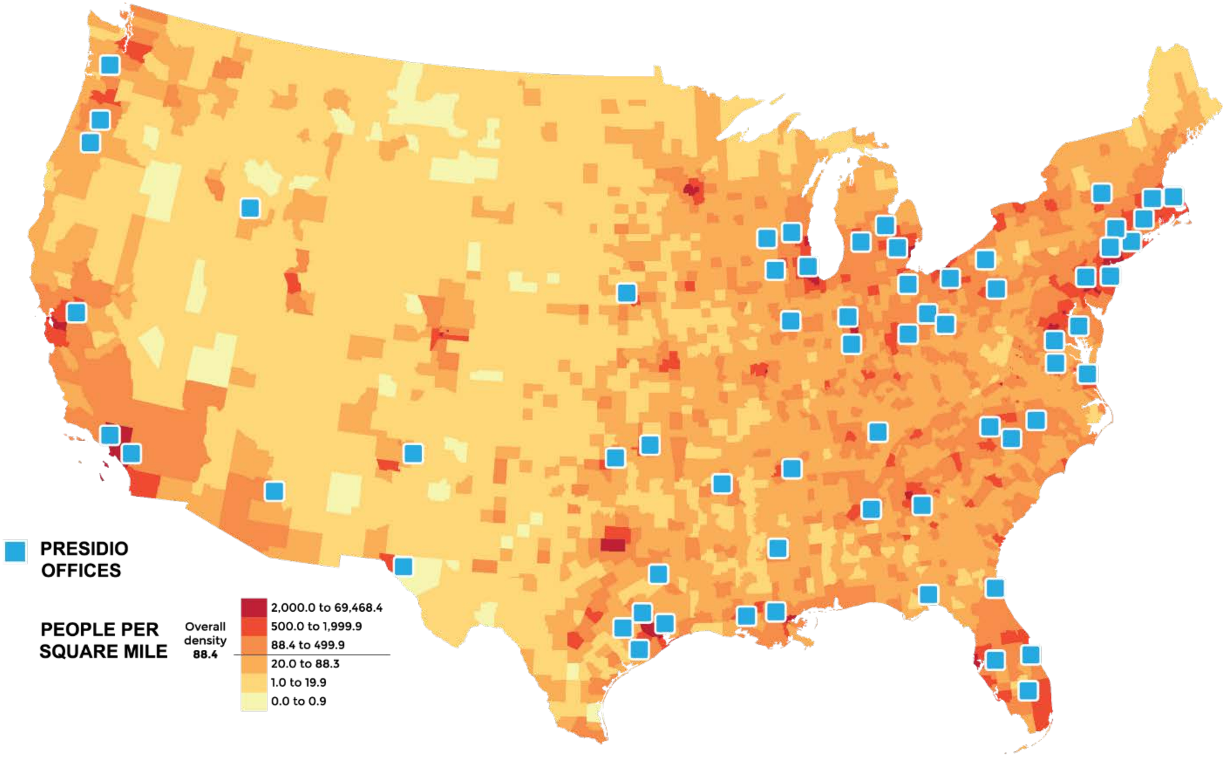
WHY PRESIDIO

- **Leading IT solutions provider** in North America
- 7,000 middle market and government clients
- Solving for complex, multi-vendor technology
- Engineering led, local-touch model
- **Services for 25% of the population** at 1,300+ state and local government entities
- **Deep solutions expertise** across digital infrastructure, cloud and security
- **Full lifecycle of services** in consulting, design and implementation, managed services and support
- **Client satisfaction**, 95% staying with us year on year
- **Stability and financial power** of a $2.7 billion public company (NASDAQ: PSDO)
- **Passionate about driving results** for our clients and delivering an outstanding quality of service

ENGINEERING-LED SCALE WITH LOCAL PRESENCE

National Scale

- 2,800+ employees nationally
  - 500+ account managers
  - 1,600+ engineers



Local Presence

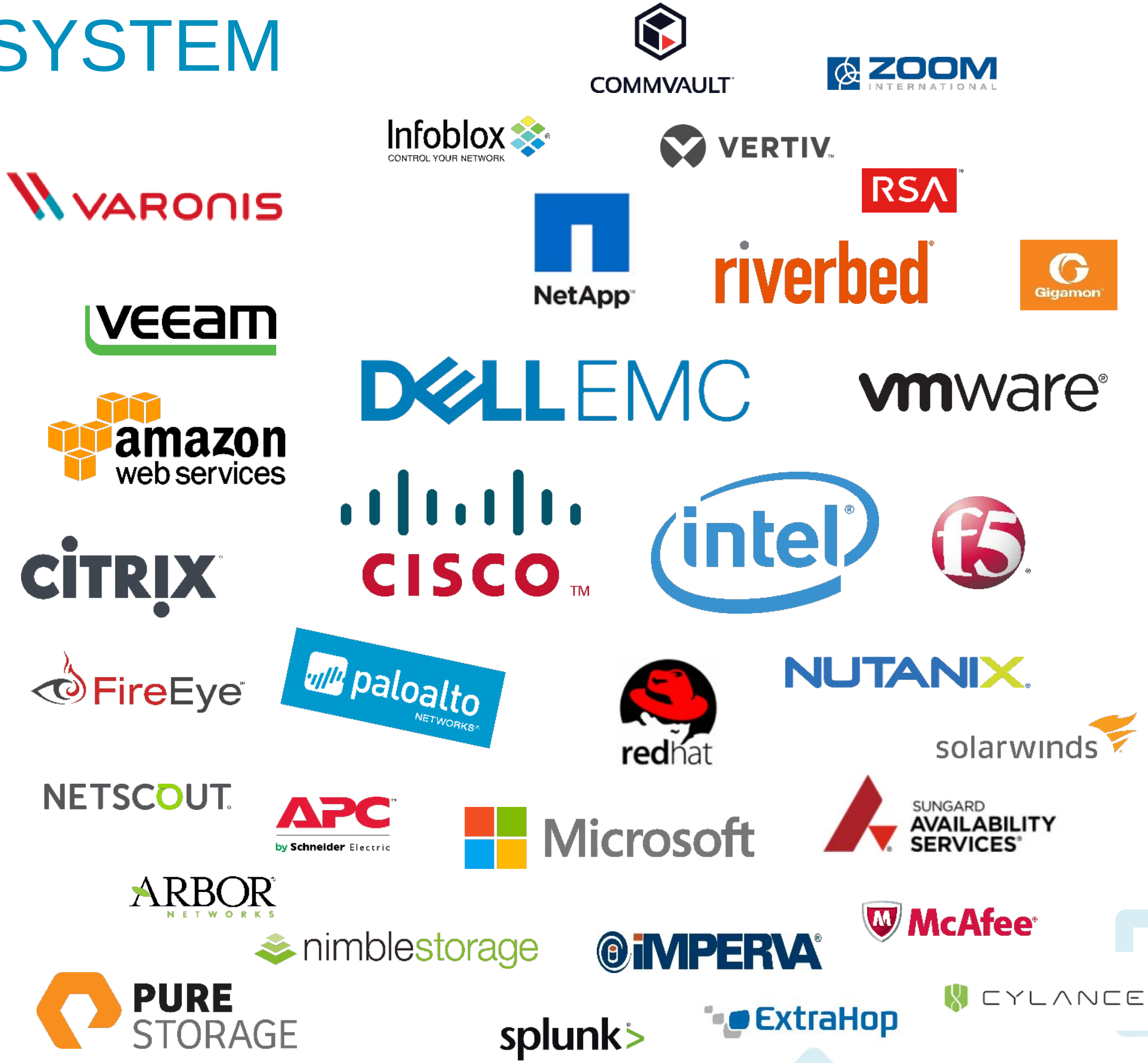
- 60+ offices across the US
- 25+ engineers per office (average)
- 120+ clients served per office (average)

International Reach

- US clients’ operations supported in 100+ countries through our network

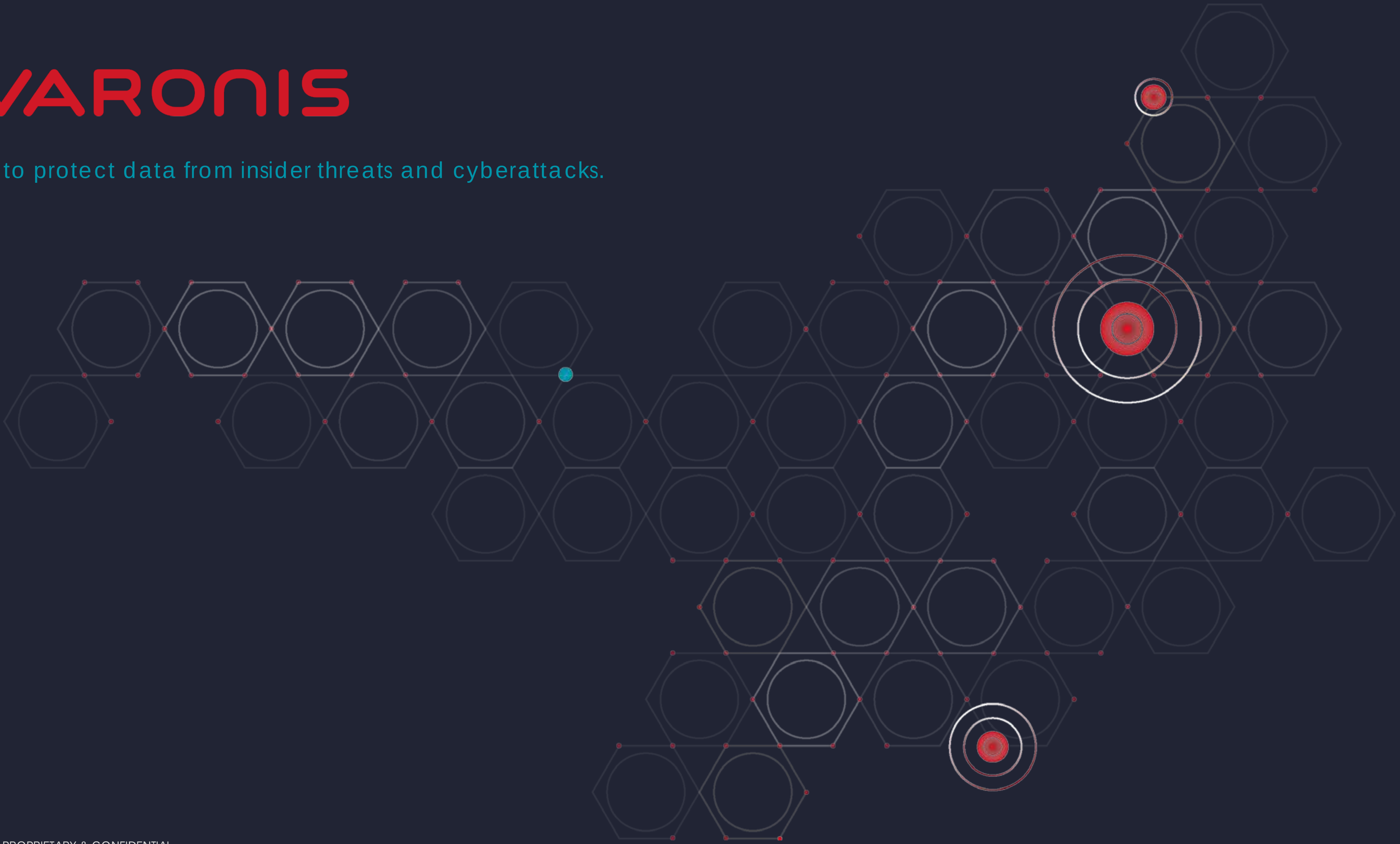
PRESIDIO ALLIANCE ECOSYSTEM

- Provider of integrated multi-vendor, **multi-technology** solutions for our clients' complex and mission-critical IT needs
- **Solutions-focused**, tailoring and deploying an optimal mix of technologies from 500+ alliances
- On the forefront of **next-generation technologies** and disruptive market trends through our alliance network
- **CEO-level access** at all key partners



VARONIS

Our mission is to protect data from insider threats and cyberattacks.



Large University – Real World Example #1

- Lacked the visibility into where **sensitive data sat, who had access, and who was touching it**. The current tools provided little more than manual methods and produced many false positives. There was no recourse.

- **Impact**: University had **no insight into where employees were placing sensitive HR, student, and patient data** exposing themselves to fines, lawsuits, and embarrassment.

Large Hospital – Real World Example #2

- Lacked insight into environment and who **was doing what/where. Had no ongoing monitoring of AD/File system in place.**

- **Example**: **The firm lacked visibility into where AD granted groups access to areas in the environment like EPIC and missed a breach.** Upon a trial, the firm realized they had missed **one of their own employees placing recon tools in the environment and changing configurations without approval.**

Large Utility – Real World Example #3

- Lacked the controls to **stop insiders and outside attackers from misusing, encrypting, and/or stealing** data. **4 Endpoint products failed** to detect 3 new variants of Locky ransomware. **70% Global Group Access** further contributed to the problem.

- **Impact**: **Firm was down for days at a time while teams tried to restore data.** This went on for weeks causing massive service disruption and time loss.

Large Law Firm – Real World Example #4

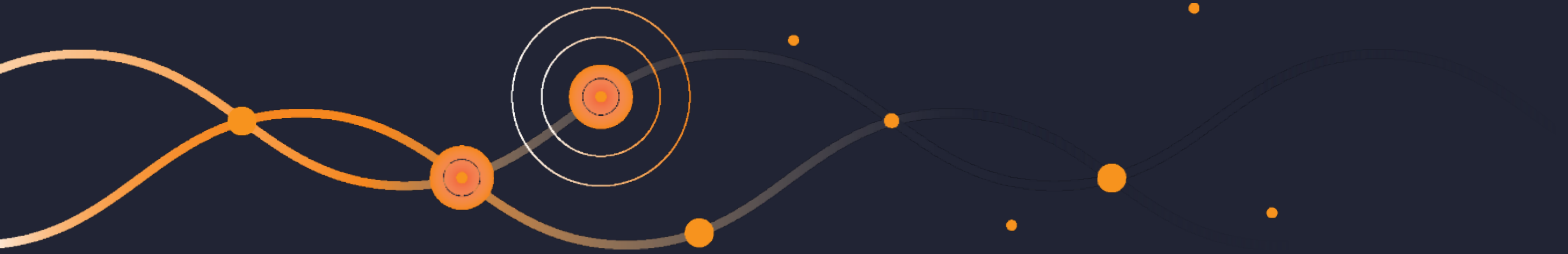
- Lacked true visibility into where **stale data sat and a means to automatically migrate/delete/ move to cheaper storage.**

- **Example**: The firm was **spending approx. $1,000,000.00 more on tier 1 storage each year** and managing the entire environment in the same way. **Teams were wasting time managing unused assets** and leaving low hanging fruit in the environment that could be compromised.

Large Financial Institution – Real World Example #5

- Relied on **manual methods to track down business managers/data owners and manual needed to added users to groups** when new employees requested access or personnel moved departments

- **Impact**: The firm was **wasting valuable IT talent on mundane access requests** and ultimately **resulting in overexposed access and permission creep** that could be avoided and automated.



Why is this still an issue?

It’s all about the **DATA** - Gartner calls it “Dark Data”

Who has access to data (files, folders, sites, & mailboxes)?

Who did what, when, where (detailed audit trail)?

Where is my sensitive data and where is exposed? (PII, GDPR, HIPAA, PCI…)

What data is not being used or stale?

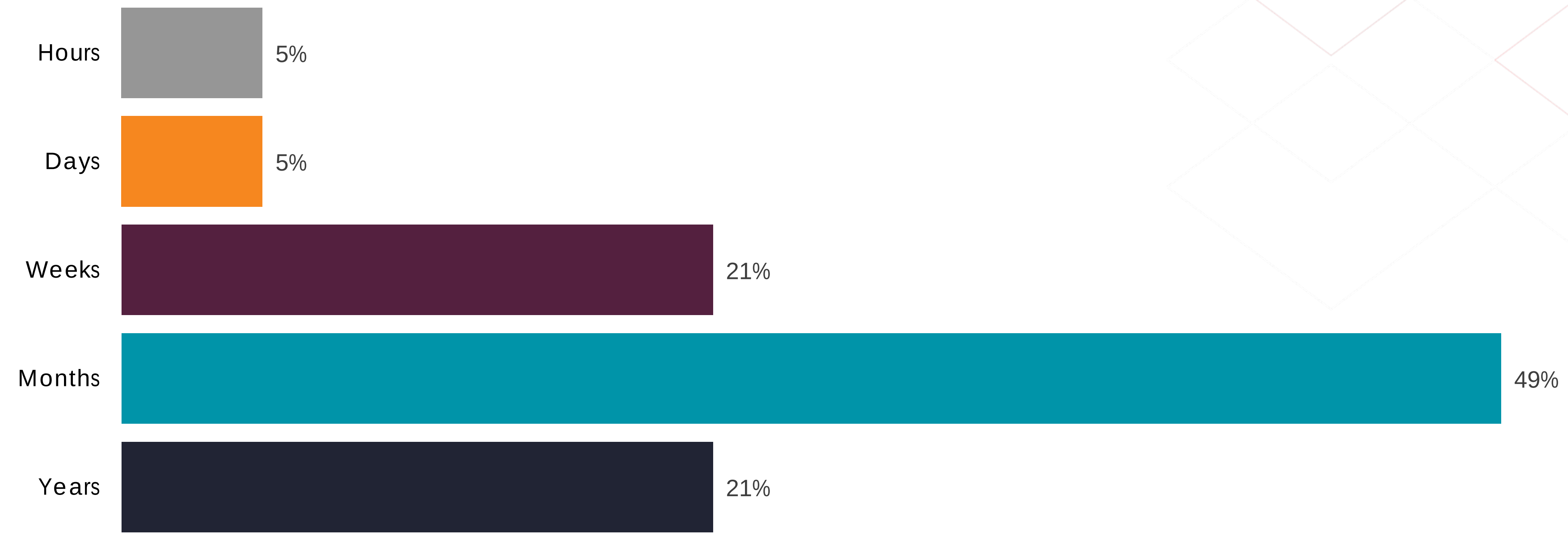
How do I ensure data is not located in unsanctioned areas?

Who owns data and how do I automate access requests?

How do we clean up the environment without impacting day to day business?

How do I detect & stop insider threats, ransomware, data exfiltration and beyond?

Discovery Timeline for Data Breaches



Source: Verizon 2016 Data Breach Investigations Report

Expense in Depth

THE OLD WAY

Fragmented tools

Reactive threat defense

Manually tagging sensitive data

Manual permissions reports

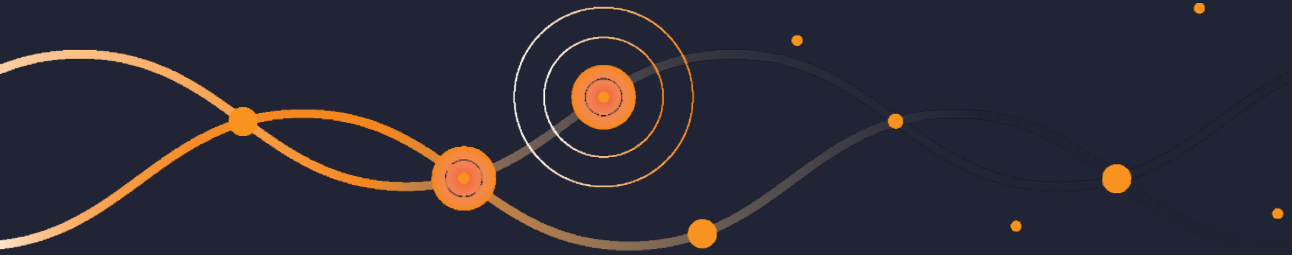
Raw log files

Native auditing

Lack of context

Rule-based alerts

Yearly clean-ups



What if there was a way?

Varonis

- Started operations in 2005
  - VRNS on Nasdaq
- 5,700+ customers globally (July 2017)
- Software that protects data from insider threats and cyberattacks

> “Varonis works across the whole organization. It works with our infrastructure, our Active Directory, it works with all the hardware and software we have.”

-- Wade Sendall, VP of IT, The Boston Globe

What the Market Research says about Varonis

- “Varonis is the market-share leader with **over 3,500 customers” *Gartner 2015***
  (Added over 1,800 customers since this report..)

- *In 2014, file analysis market size was ~ **$150 million.** Varonis captured the vast majority with **$101 million** in revenue. (rest of the market split among 25 bit players)*

Gartner

Software Product of the Year, 2015

2016 Computing Security Awards
WINNER
VARONIS
Security Project of the Year - Private Sector
&
Auditing / Reporting Solution of the Year
2016 Computing Security Awards
WINNER

Varonis CEO named Entrepreneur of the Year (NYC, tech Industry, 2012)

Crowned Data+ Editors Award for Mastering Data Security with Loyola Univ. (2015)

“Varonis is the clear market leader in unstructured data governance”

Varonis protects many leading federal agencies

- Certificate of Networthiness granted by the US Army
- Achieved Common Criteria EAL2+

DHS CDM MaaS BPA

Common Criteria

NASA SEWP www.sewp.nasa.gov

“Varonis is on an extremely short list of companies that supply products I wouldn’t be without in any major executive role in any public company, three-letter agency, government office, or IT firm.”

- Rob Enderle, President, The Enderle Group

U.S.ARMY

GSA

NASA

NETCENTS-2 NetOps SB

NITAAC OMB Authorized GWACs for IT Acquisition

CIO-CS IT COMMODITY SOLUTIONS GWAC

VARONIS

IT’S ALL ABOUT THE DATA

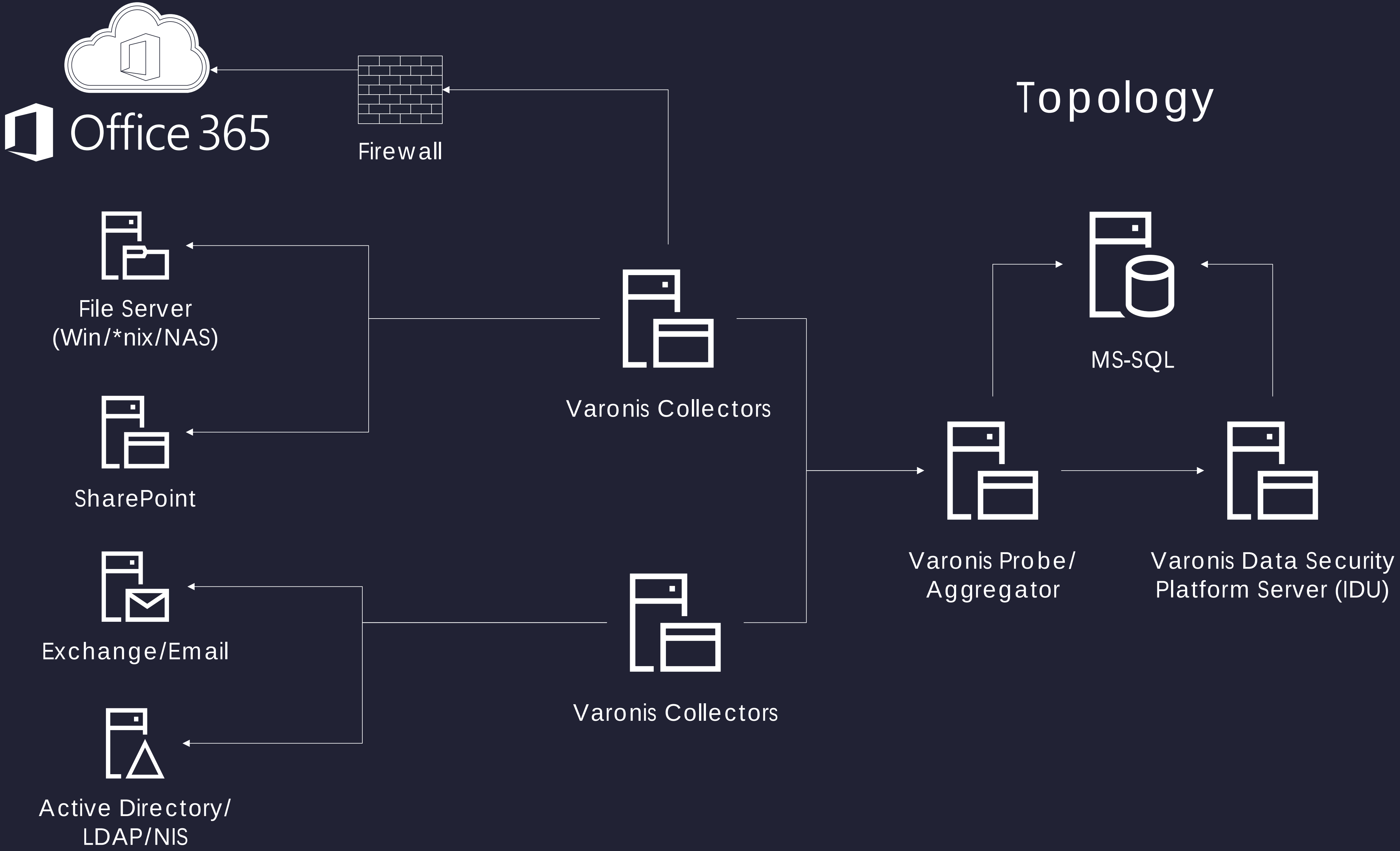
We know where our sensitive data lives

Only the right people have access

Cyber threats are detected and stopped

Sustain a secure state without manual effort

Topology



Office 365

Firewall

File Server
(Win/*nix/NAS)

SharePoint

Exchange/Email

Active Directory/
LDAP/NIS

Varonis Collectors

Varonis Collectors

MS-SQL

Varonis Probe/
Aggregator

Varonis Data Security
Platform Server (IDU)

Platforms Not Tools

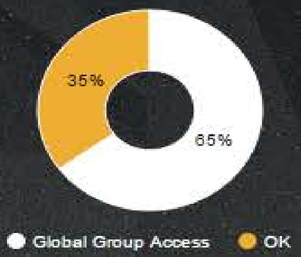
THE NEW WAY

- Data Classification
- Cyber Threat Detection
- File & Email Monitoring
- User Behavior Analytics
- Least Privilege Enforcement
- Active Directory Monitoring
- Data Access Governance
- Automatic Quarantining

VARONIS

Data Risk Assessment

Global Group Access



30,123,581 folders

or 35% of the entire environment

47% or 115k uesrs that are stale but enabled

USNSH-I-FS101

54%

of folders on this server have Global Group Access

371 TB stale data

more than half of the entire environment

58%

of all users have on-expiring passwords

0.21% of 17k folders with users permissioned directly

ext.dir.willis.com

97%

of users have non-expiring passwords

93%

of users are stale

4729 sensitive files with Global Group Access

less than 1% of all files

USNSSH-I-FS10

54%

of folders on this server have Global Group Access

Operational Phases

DETECT

- Implement detective controls for file systems and AD
- Map and monitor preventive controls
- Track Key Risk Indicators
- Alert and respond to threats

PREVENT

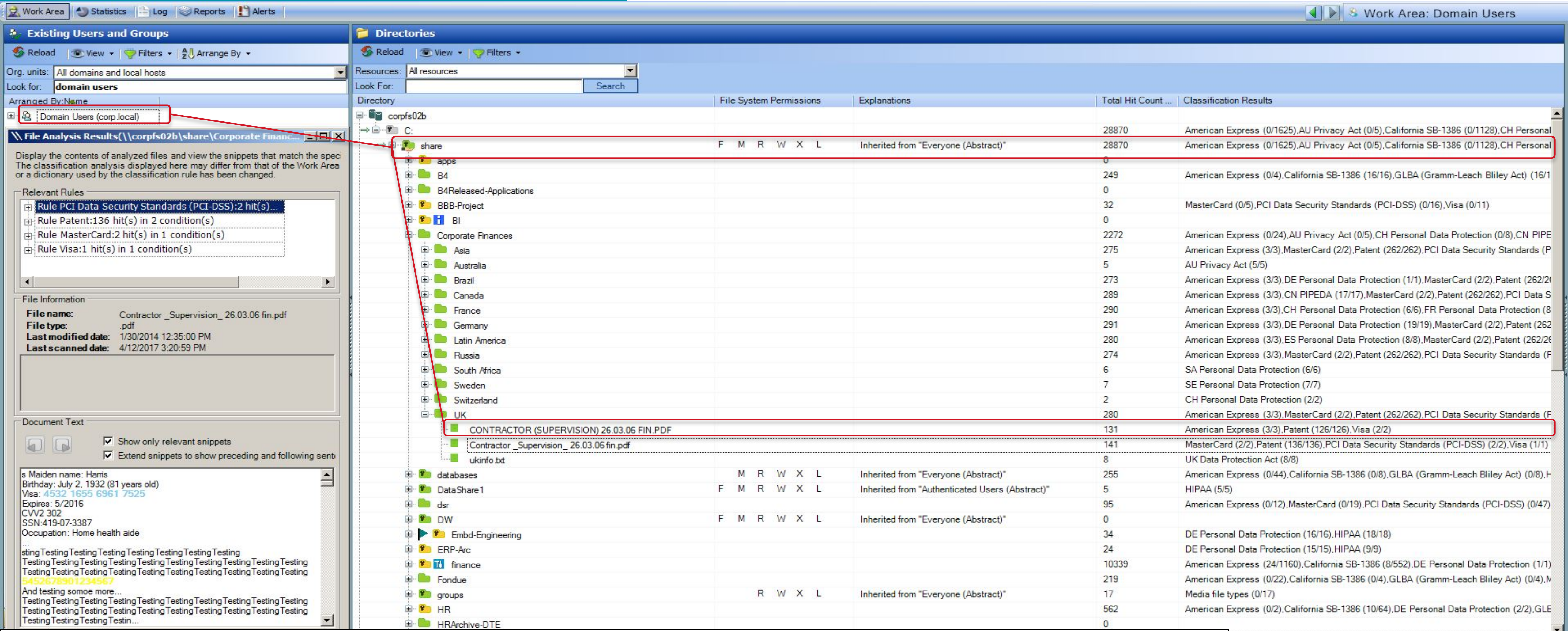
- Identify and remediate sensitive and at-risk data
- Eliminate global access
- Identify and assign data owners
- Implement best-practice controls

SUSTAIN

- Automate access provisioning
- Regularly re-certify access
- Archive or delete old data

Diving into the Environment

Where is your Sensitive Data, Where is Exposed?



Existing Users and Groups

Org. units: All domains and local hosts
Look for: **domain users**
Arranged By:Name
Domain Users (corp.local)

\\ File Analysis Results(\\corpfs02b\share\Corporate Financ...

Display the contents of analyzed files and view the snippets that match the spec
The classification analysis displayed here may differ from that of the Work Area
or a dictionary used by the classification rule has been changed.

Relevant Rules
- Rule PCI Data Security Standards (PCI-DSS):2 hit(s)...
- Rule Patent:136 hit(s) in 2 condition(s)
- Rule MasterCard:2 hit(s) in 1 condition(s)
- Rule Visa:1 hit(s) in 1 condition(s)

File Information

File name: Contractor _Supervision_ 26.03.06 fin.pdf
File type: .pdf
Last modified date: 1/30/2014 12:35:00 PM
Last scanned date: 4/12/2017 3:20:59 PM

Document Text

☑ Show only relevant snippets
☑ Extend snippets to show preceding and following sent

s Maiden name: Harris
Birthday: July 2, 1932 (81 years old)
Visa: 4532 1655 6961 7525
Expires: 5/2016
CVV2 302
SSN:419-07-3387
Occupation: Home health aide
...
stingTestingTestingTestingTestingTestingTestingTesting
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5452678901234567
And testing somoe more...
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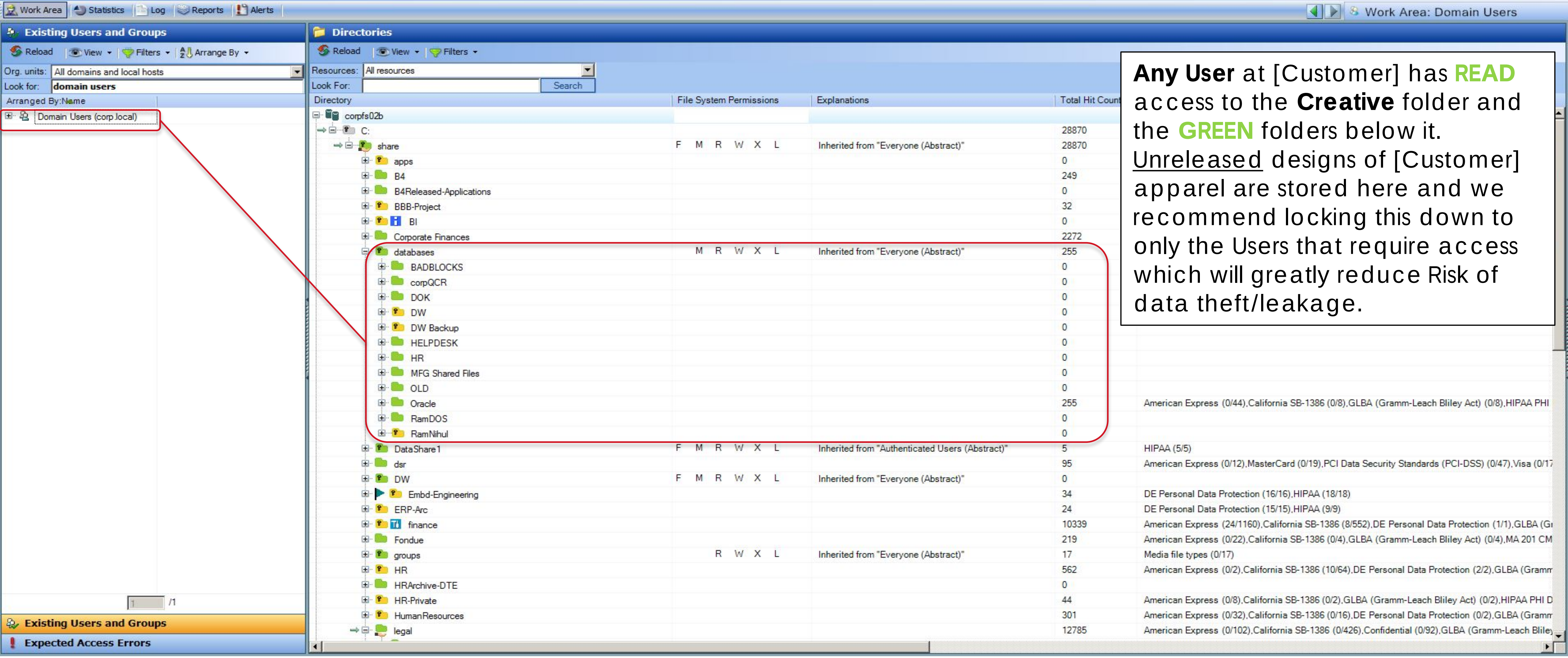
Directories

Resources: All resources
Look For:

Directory	File System Permissions	Explanations	Total Hit Count ...	Classification Results
corpfs02b				
C:			28870	American Express (0/1625),AU Privacy Act (0/5),California SB-1386 (0/1128),CH Personal
share	F M R W X L	Inherited from "Everyone (Abstract)"	28870	American Express (0/1625),AU Privacy Act (0/5),California SB-1386 (0/1128),CH Personal
apps			0	
B4			249	American Express (0/4),California SB-1386 (16/16),GLBA (Gramm-Leach Bliley Act) (16/1
B4Released-Applications			0	
BBB-Project			32	MasterCard (0/5),PCI Data Security Standards (PCI-DSS) (0/16),Visa (0/11)
BI			0	
Corporate Finances			2272	American Express (0/24),AU Privacy Act (0/5),CH Personal Data Protection (0/8),CN PIPE
Asia			275	American Express (3/3),MasterCard (2/2),Patent (262/262),PCI Data Security Standards (P
Australia			5	AU Privacy Act (5/5)
Brazil			273	American Express (3/3),DE Personal Data Protection (1/1),MasterCard (2/2),Patent (262/2
Canada			289	American Express (3/3),CN PIPEDA (17/17),MasterCard (2/2),Patent (262/262),PCI Data S
France			290	American Express (3/3),CH Personal Data Protection (6/6),FR Personal Data Protection (8
Germany			291	American Express (3/3),DE Personal Data Protection (19/19),MasterCard (2/2),Patent (262
Latin America			280	American Express (3/3),ES Personal Data Protection (8/8),MasterCard (2/2),Patent (262/2
Russia			274	American Express (3/3),MasterCard (2/2),Patent (262/262),PCI Data Security Standards (F
South Africa			6	SA Personal Data Protection (6/6)
Sweden			7	SE Personal Data Protection (7/7)
Switzerland			2	CH Personal Data Protection (2/2)
UK			280	American Express (3/3),MasterCard (2/2),Patent (262/262),PCI Data Security Standards (F
CONTRACTOR (SUPERVISION) 26.03.06 FIN.PDF			131	American Express (3/3),Patent (126/126),Visa (2/2)
Contractor _Supervision_ 26.03.06 fin.pdf			141	MasterCard (2/2),Patent (136/136),PCI Data Security Standards (PCI-DSS) (2/2),Visa (1/1)
ukinfo.txt			8	UK Data Protection Act (8/8)
databases	M R W X L	Inherited from "Everyone (Abstract)"	255	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),H
DataShare1	F M R W X L	Inherited from "Authenticated Users (Abstract)"	5	HIPAA (5/5)
dsr			95	American Express (0/12),MasterCard (0/19),PCI Data Security Standards (PCI-DSS) (0/47)
DW	F M R W X L	Inherited from "Everyone (Abstract)"	0	
Embd-Engineering			34	DE Personal Data Protection (16/16),HIPAA (18/18)
ERP-Arc			24	DE Personal Data Protection (15/15),HIPAA (9/9)
finance			10339	American Express (24/1160),California SB-1386 (8/552),DE Personal Data Protection (1/1)
Fondue			219	American Express (0/22),California SB-1386 (0/4),GLBA (Gramm-Leach Bliley Act) (0/4),M
groups	R W X L	Inherited from "Everyone (Abstract)"	17	Media file types (0/17)
HR			562	American Express (0/2),California SB-1386 (10/64),DE Personal Data Protection (2/2),GLE
HRArchive-DTE			0	

In this Example, **Domain Users** have **READ** access to the Folders that are **GREEN**. This group should be removed as it presents additional RISK as **ANY User** can access this data which in some cases includes HIPAA and other Personal Identifiable information.



Org. units: All domains and local hosts

Look for: domain users

Arranged By:Name

Domain Users (corp.local)

1 /1

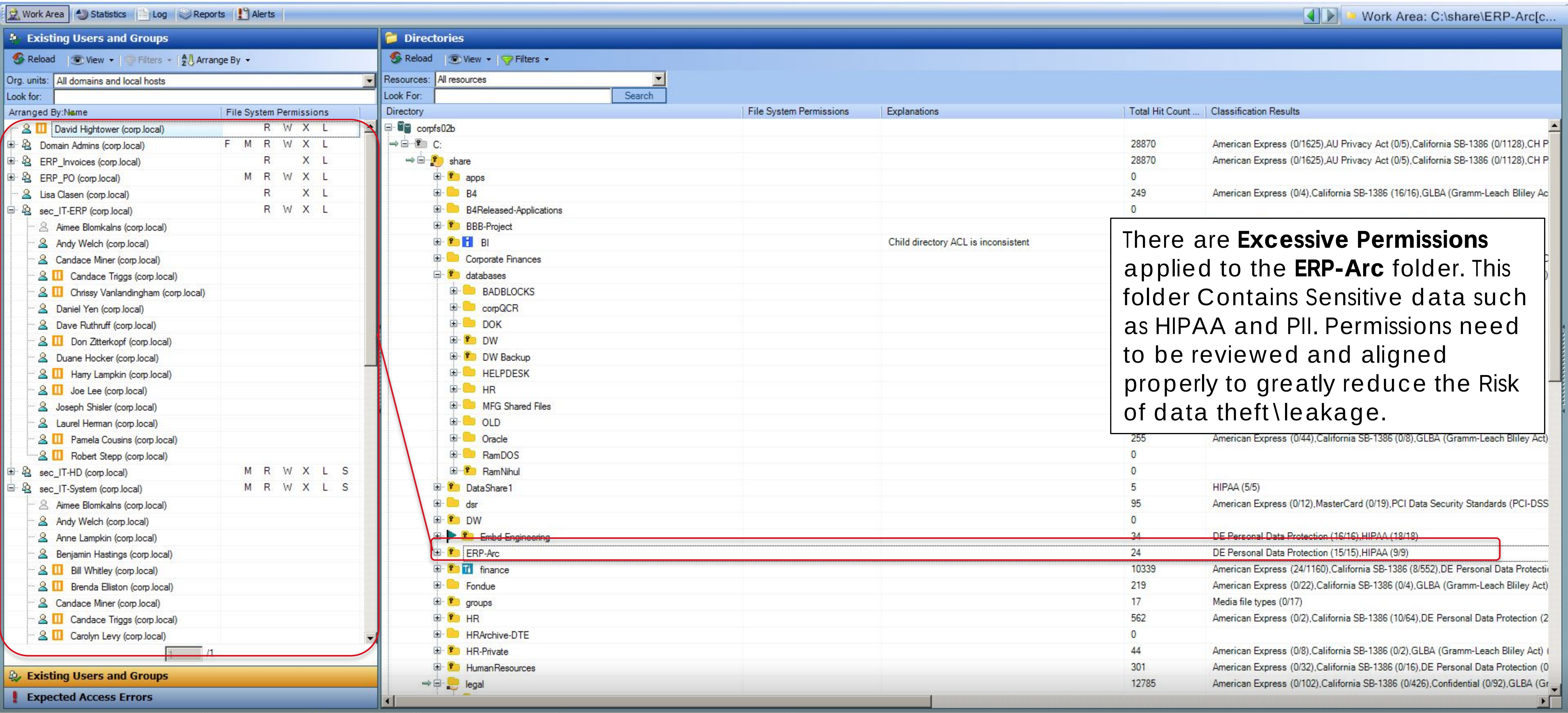
Resources: All resources

Look For:

Directory	File System Permissions	Explanations	Total Hit Count	
corpfs02b				
C:			28870	
share	F M R W X L	Inherited from "Everyone (Abstract)"	28870	
apps			0	
B4			249	
B4Released-Applications			0	
BBB-Project			32	
BI			0	
Corporate Finances			2272	
databases	M R W X L	Inherited from "Everyone (Abstract)"	255	
BADBLOCKS			0	
corpQCR			0	
DOK			0	
DW			0	
DW Backup			0	
HELPDESK			0	
HR			0	
MFG Shared Files			0	
OLD			0	
Oracle			255	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),HIPAA PHI
RamDOS			0	
RamNihul			0	
DataShare1	F M R W X L	Inherited from "Authenticated Users (Abstract)"	5	HIPAA (5/5)
dsr			95	American Express (0/12),MasterCard (0/19),PCI Data Security Standards (PCI-DSS) (0/47),Visa (0/17
DW	F M R W X L	Inherited from "Everyone (Abstract)"	0	
Embd-Engineering			34	DE Personal Data Protection (16/16),HIPAA (18/18)
ERP-Arc			24	DE Personal Data Protection (15/15),HIPAA (9/9)
finance			10339	American Express (24/1160),California SB-1386 (8/552),DE Personal Data Protection (1/1),GLBA (Gr
Fondue			219	American Express (0/22),California SB-1386 (0/4),GLBA (Gramm-Leach Bliley Act) (0/4),MA 201 CM
groups	R W X L	Inherited from "Everyone (Abstract)"	17	Media file types (0/17)
HR			562	American Express (0/2),California SB-1386 (10/64),DE Personal Data Protection (2/2),GLBA (Gramm
HRArchive-DTE			0	
HR-Private			44	American Express (0/8),California SB-1386 (0/2),GLBA (Gramm-Leach Bliley Act) (0/2),HIPAA PHI D
HumanResources			301	American Express (0/32),California SB-1386 (0/16),DE Personal Data Protection (0/2),GLBA (Gramm
legal			12785	American Express (0/102),California SB-1386 (0/426),Confidential (0/92),GLBA (Gramm-Leach Bliley

Any User at [Customer] has **READ** access to the **Creative** folder and the **GREEN** folders below it. Unreleased designs of [Customer] apparel are stored here and we recommend locking this down to only the Users that require access which will greatly reduce Risk of data theft/leakage.

Prioritize High Risk Folders



Org. units: All domains and local hosts

Look for:

Arranged By:Name	File System Permissions
David Hightower (corp.local)	R W X L
Domain Admins (corp.local)	F M R W X L
ERP_Invoices (corp.local)	R X L
ERP_PO (corp.local)	M R W X L
Lisa Clasen (corp.local)	R X L
sec_IT-ERP (corp.local)	R W X L
Aimee Blomkalns (corp.local)	
Andy Welch (corp.local)	
Candace Miner (corp.local)	
Candace Triggs (corp.local)	
Chrissy Vanlandingham (corp.local)	
Daniel Yen (corp.local)	
Dave Ruthruff (corp.local)	
Don Zitterkopf (corp.local)	
Duane Hocker (corp.local)	
Harry Lampkin (corp.local)	
Joe Lee (corp.local)	
Joseph Shisler (corp.local)	
Laurel Herman (corp.local)	
Pamela Cousins (corp.local)	
Robert Stepp (corp.local)	
sec_IT-HD (corp.local)	M R W X L S
sec_IT-System (corp.local)	M R W X L S
Aimee Blomkalns (corp.local)	
Andy Welch (corp.local)	
Anne Lampkin (corp.local)	
Benjamin Hastings (corp.local)	
Bill Whitley (corp.local)	
Brenda Elliston (corp.local)	
Candace Miner (corp.local)	
Candace Triggs (corp.local)	
Carolyn Levy (corp.local)	

1 /1

Resources: All resources

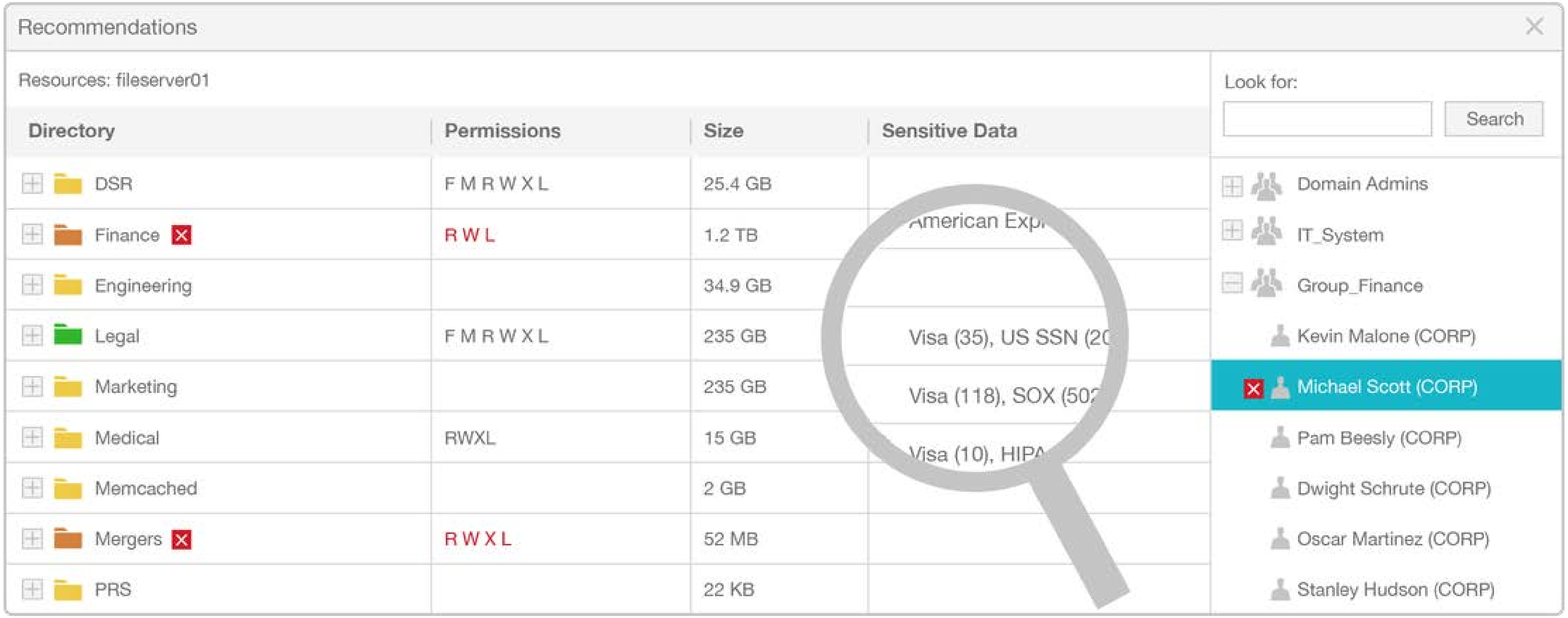
Look For:

Directory	File System Permissions	Explanations	Total Hit Count ...	Classification Results
corpfs02b				
C:			28870	American Express (0/1625),AU Privacy Act (0/5),California SB-1386 (0/1128),CH P
share			28870	American Express (0/1625),AU Privacy Act (0/5),California SB-1386 (0/1128),CH P
apps			0	
B4			249	American Express (0/4),California SB-1386 (16/16),GLBA (Gramm-Leach Bliley Ac
B4Released-Applications			0	
BBB-Project				
BI		Child directory ACL is inconsistent		
Corporate Finances				
databases				
BADBLOCKS				
corpQCR				
DOK				
DW				
DW Backup				
HELPDESK				
HR				
MFG Shared Files				
OLD				
Oracle			255	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act)
RamDOS			0	
RamNihul			0	
DataShare1			5	HIPAA (5/5)
dsr			95	American Express (0/12),MasterCard (0/19),PCI Data Security Standards (PCI-DSS
DW			0	
Embd-Engineering			34	DE Personal Data Protection (16/16),HIPAA (18/18)
ERP-Arc			24	DE Personal Data Protection (15/15),HIPAA (9/9)
finance			10339	American Express (24/1160),California SB-1386 (8/552),DE Personal Data Protecti
Fondue			219	American Express (0/22),California SB-1386 (0/4),GLBA (Gramm-Leach Bliley Act)
groups			17	Media file types (0/17)
HR			562	American Express (0/2),California SB-1386 (10/64),DE Personal Data Protection (2
HRArchive-DTE			0	
HR-Private			44	American Express (0/8),California SB-1386 (0/2),GLBA (Gramm-Leach Bliley Act) (
HumanResources			301	American Express (0/32),California SB-1386 (0/16),DE Personal Data Protection (0
legal			12785	American Express (0/102),California SB-1386 (0/426),Confidential (0/92),GLBA (Gr

There are **Excessive Permissions** applied to the **ERP-Arc** folder. This folder Contains Sensitive data such as HIPAA and PII. Permissions need to be reviewed and aligned properly to greatly reduce the Risk of data theft\leakage.

Discover & Review Permissions to Critical Folders

Prioritize & Lockdown Sensitive Data



Recommendations

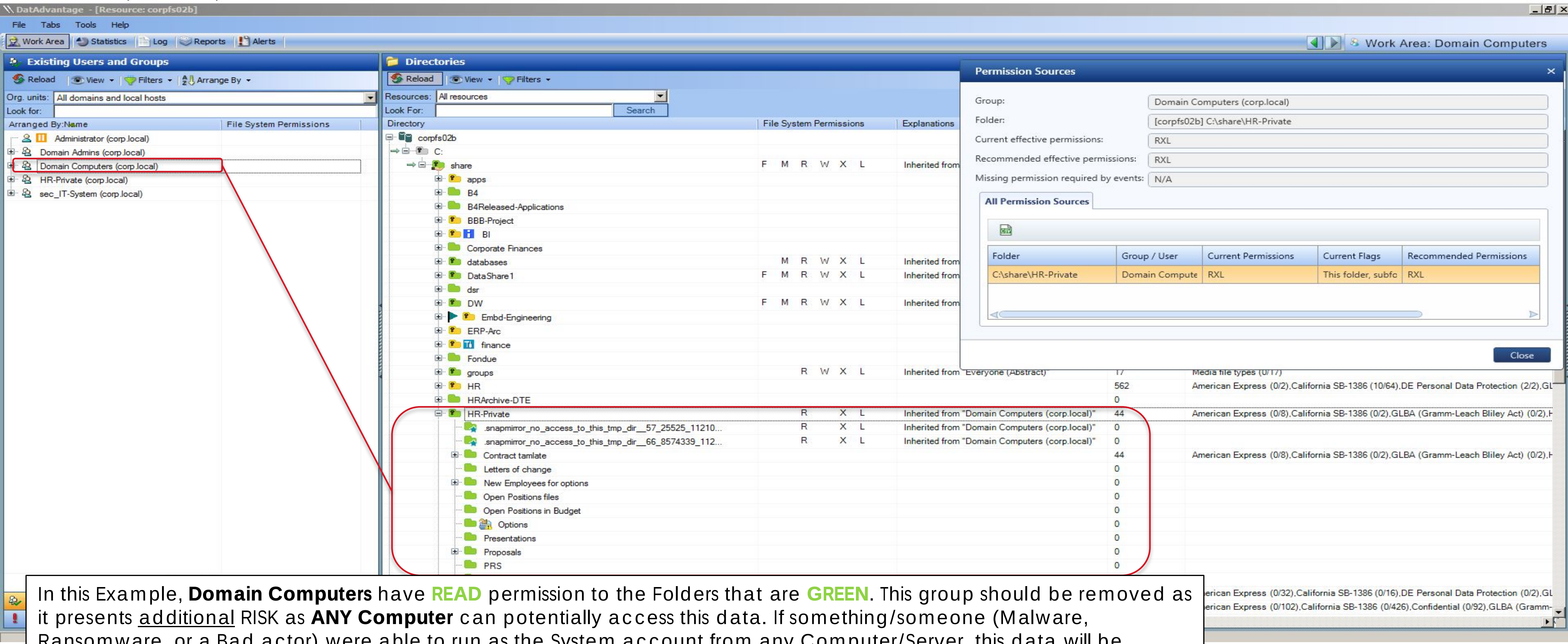
Resources: fileserver01

Directory	Permissions	Size	Sensitive Data
DSR	F M R W X L	25.4 GB	
Finance ☒	R W L	1.2 TB	American Exp
Engineering		34.9 GB	
Legal	F M R W X L	235 GB	Visa (35), US SSN (20
Marketing		235 GB	Visa (118), SOX (502
Medical	RWXL	15 GB	Visa (10), HIPA
Memcached		2 GB	
Mergers ☒	R W X L	52 MB	
PRS		22 KB	

Look for:

Search

- Domain Admins
- IT_System
- Group_Finance
  - Kevin Malone (CORP)
  - ☒ Michael Scott (CORP)
  - Pam Beesly (CORP)
  - Dwight Schrute (CORP)
  - Oscar Martinez (CORP)
  - Stanley Hudson (CORP)


DatAdvantage - [Resource: corpfs02b]
File Tabs Tools Help
Work Area Statistics Log Reports Alerts
Work Area: Domain Computers
Existing Users and Groups
Reload View Filters Arrange By
Directories
Reload View Filters
Search

Org. units: All domains and local hosts

Look for:

Arranged By:Name	File System Permissions
Administrator (corp.local)	
Domain Admins (corp.local)	
Domain Computers (corp.local)	
HR-Private (corp.local)	
sec_IT-System (corp.local)	

Resources: All resources

Look For:

Directory	File System Permissions	Explanations		
corpfs02b				
C:				
share	F M R W X L	Inherited from		
apps				
B4				
B4Released-Applications				
BBB-Project				
BI				
Corporate Finances				
databases	M R W X L	Inherited from		
DataShare1	F M R W X L	Inherited from		
dsr				
DW	F M R W X L	Inherited from		
Embd-Engineering				
ERP-Arc				
finance				
Fondue				
groups	R W X L	Inherited from "Everyone (Abstract)"	17	Media file types (0/17)
HR			562	American Express (0/2),California SB-1386 (10/64),DE Personal Data Protection (2/2),GL
HRArchive-DTE			0	
HR-Private	R X L	Inherited from "Domain Computers (corp.local)"	44	American Express (0/8),California SB-1386 (0/2),GLBA (Gramm-Leach Bliley Act) (0/2),H
.snapmirror_no_access_to_this_tmp_dir__57_25525_11210...	R X L	Inherited from "Domain Computers (corp.local)"	0	
.snapmirror_no_access_to_this_tmp_dir__66_8574339_112...	R X L	Inherited from "Domain Computers (corp.local)"	0	
Contract tamlate			44	American Express (0/8),California SB-1386 (0/2),GLBA (Gramm-Leach Bliley Act) (0/2),H
Letters of change			0	
New Employees for options			0	
Open Positions files			0	
Open Positions in Budget			0	
Options			0	
Presentations			0	
Proposals			0	
PRS			0	
				erican Express (0/32),California SB-1386 (0/16),DE Personal Data Protection (0/2),GL
				erican Express (0/102),California SB-1386 (0/426),Confidential (0/92),GLBA (Gramm-

Permission Sources

Group: Domain Computers (corp.local)

Folder: [corpfs02b] C:\share\HR-Private

Current effective permissions: RXL

Recommended effective permissions: RXL

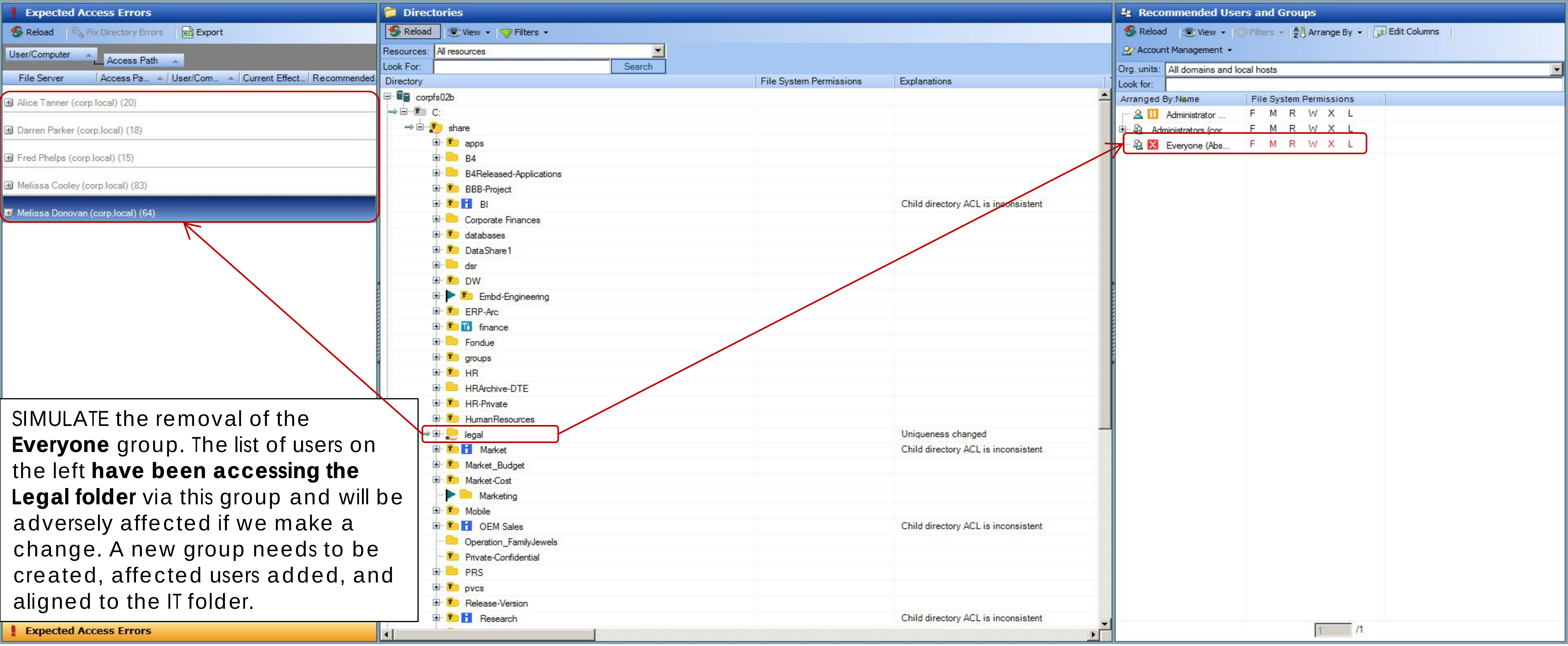
Missing permission required by events: N/A

All Permission Sources

Folder	Group / User	Current Permissions	Current Flags	Recommended Permissions
C:\share\HR-Private	Domain Compute	RXL	This folder, subfo	RXL

In this Example, **Domain Computers** have **READ** permission to the Folders that are **GREEN**. This group should be removed as it presents additional RISK as **ANY Computer** can potentially access this data. If something/someone (Malware, Ransomware, or a Bad actor) were able to run as the System account from any Computer/Server, this data will be accessible.

Spot & Remove High Risk or Problematic Permissions



Alice Tanner (corp.local) (20)
Darren Parker (corp.local) (18)
Fred Phelps (corp.local) (15)
Melissa Cooley (corp.local) (83)
Melissa Donovan (corp.local) (64)

Resources: All resources
Look For:

Directory	File System Permissions	Explanations
corpfs02b		
C:		
share		
apps		
B4		
B4Released-Applications		
BBB-Project		
BI		Child directory ACL is inconsistent
Corporate Finances		
databases		
DataShare1		
dsr		
DW		
Embd-Engineering		
ERP-Arc		
finance		
Fondue		
groups		
HR		
HRArchive-DTE		
HR-Private		
HumanResources		
legal		Uniqueness changed
Market		Child directory ACL is inconsistent
Market_Budget		
Market-Cost		
Marketing		
Mobile		
OEM Sales		Child directory ACL is inconsistent
Operation_FamilyJewels		
Private-Confidential		
PRS		
pvcs		
Release-Version		
Research		Child directory ACL is inconsistent

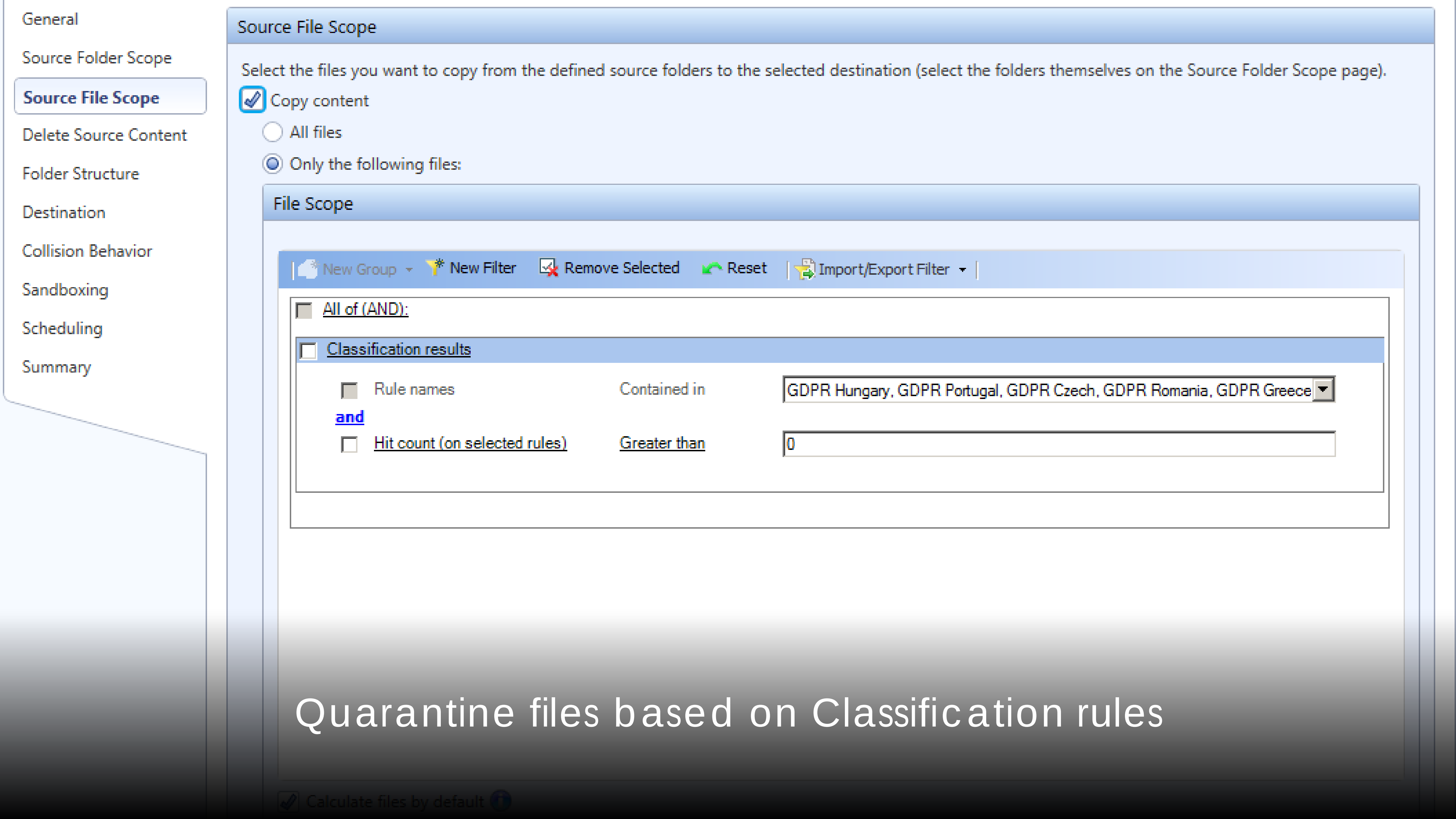
Org. units: All domains and local hosts
Look for:

Arranged By: Name	File System Permissions
Administrator ...	F M R W X L
Administrators (cor...	F M R W X L
Everyone (Abs...	F M R W X L

1 /1

SIMULATE the removal of the **Everyone** group. The list of users on the left **have been accessing the Legal folder** via this group and will be adversely affected if we make a change. A new group needs to be created, affected users added, and aligned to the IT folder.

Model & Simulate Permission Changes



- General
- Source Folder Scope
- **Source File Scope**
- Delete Source Content
- Folder Structure
- Destination
- Collision Behavior
- Sandboxing
- Scheduling
- Summary

Source File Scope

Select the files you want to copy from the defined source folders to the selected destination (select the folders themselves on the Source Folder Scope page).

☑ Copy content

○ All files

● Only the following files:

File Scope

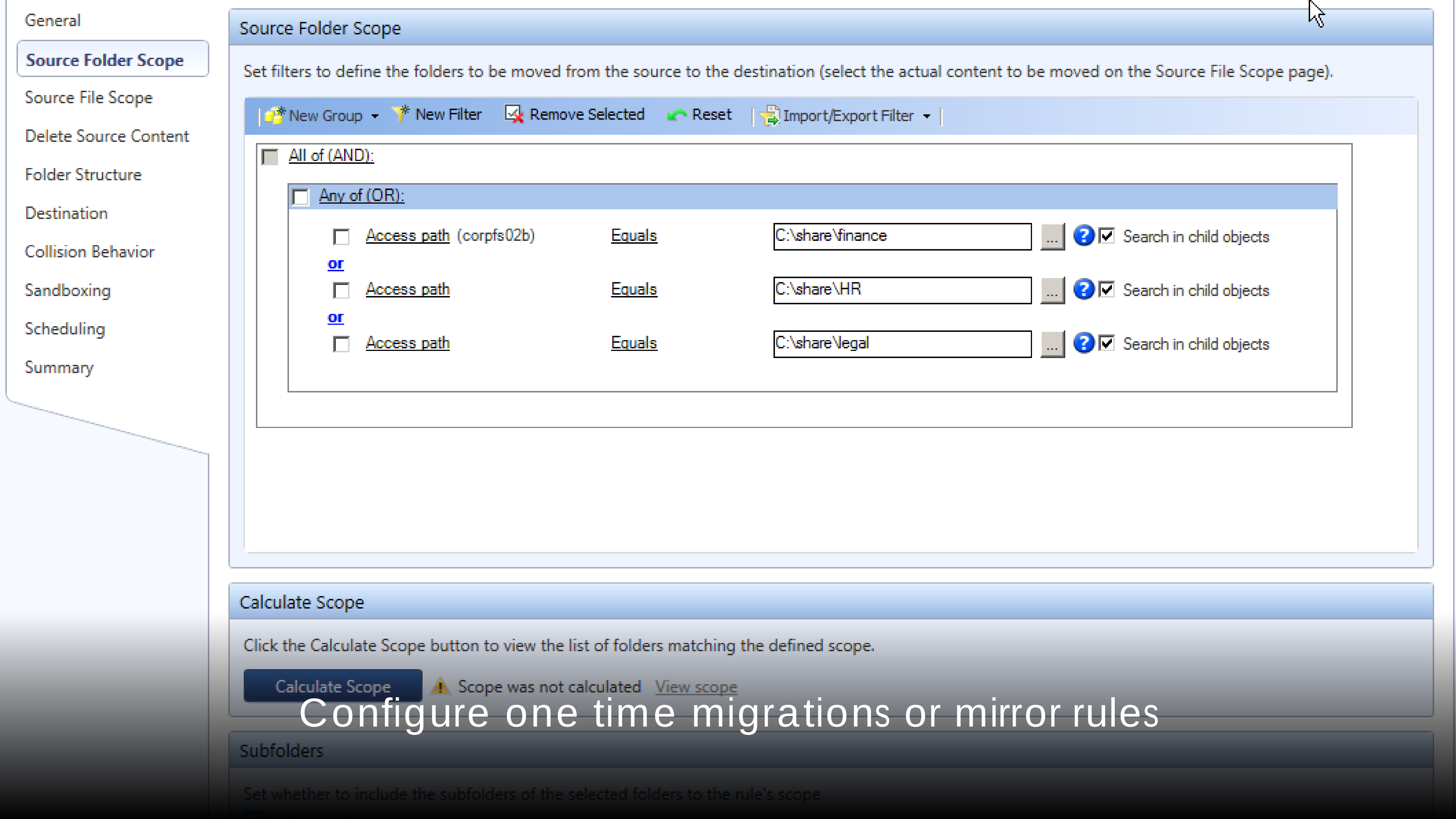
□ All of (AND):

□ Classification results

□ Rule names	Contained in	GDPR Hungary, GDPR Portugal, GDPR Czech, GDPR Romania, GDPR Greece
and		
□ Hit count (on selected rules)	Greater than	0

☑ Calculate files by default

Quarantine files based on Classification rules



Source Folder Scope

Set filters to define the folders to be moved from the source to the destination (select the actual content to be moved on the Source File Scope page).

□ All of (AND):

□ Any of (OR):

□ Access path (corpfs02b) Equals C:\share\finance ☑ Search in child objects

or

□ Access path Equals C:\share\HR ☑ Search in child objects

or

□ Access path Equals C:\share\legal ☑ Search in child objects

Calculate Scope

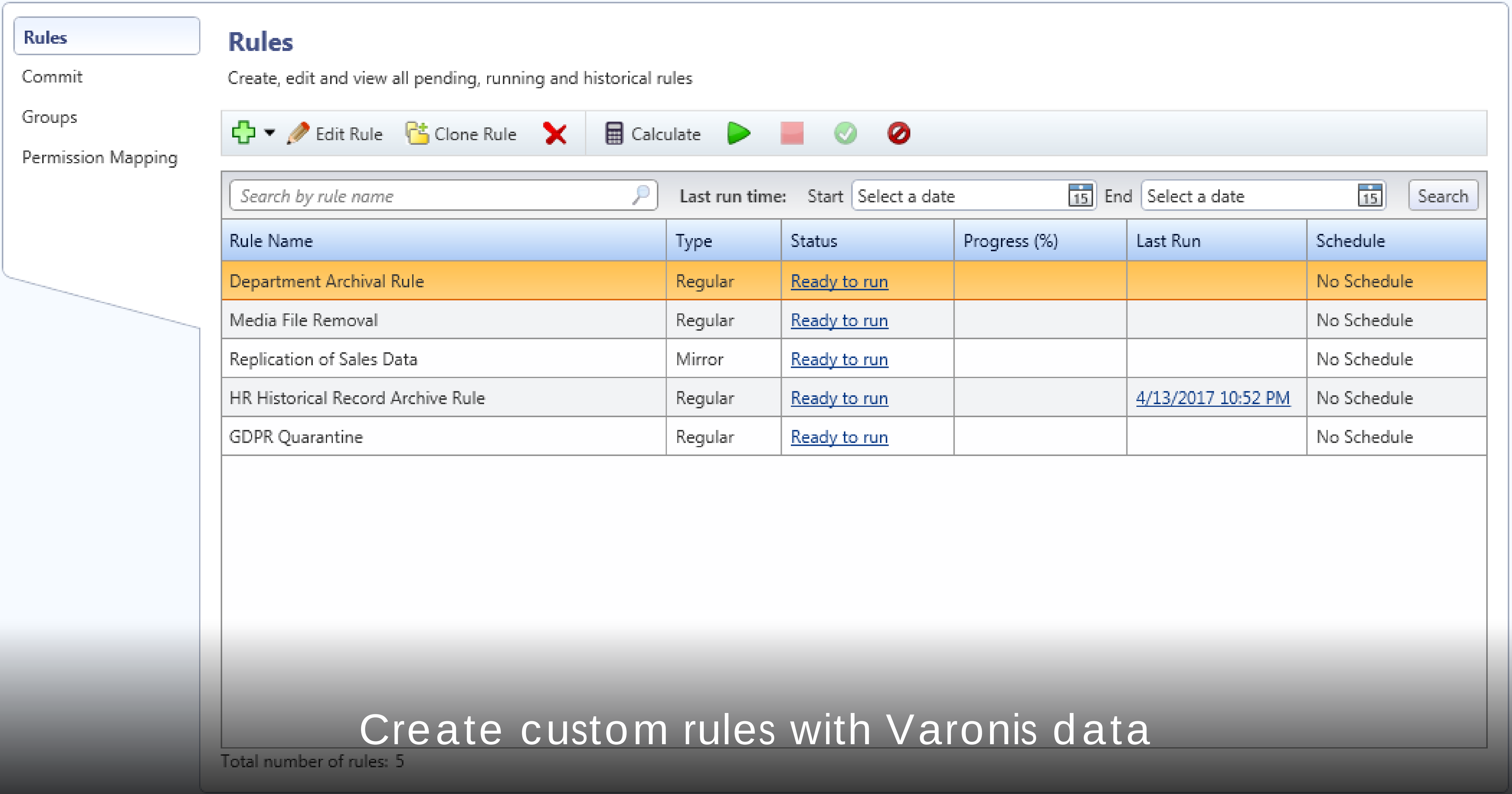
Click the Calculate Scope button to view the list of folders matching the defined scope.

Scope was not calculated View scope

Subfolders

Set whether to include the subfolders of the selected folders to the rule's scope

Configure one time migrations or mirror rules



Rules

Create, edit and view all pending, running and historical rules

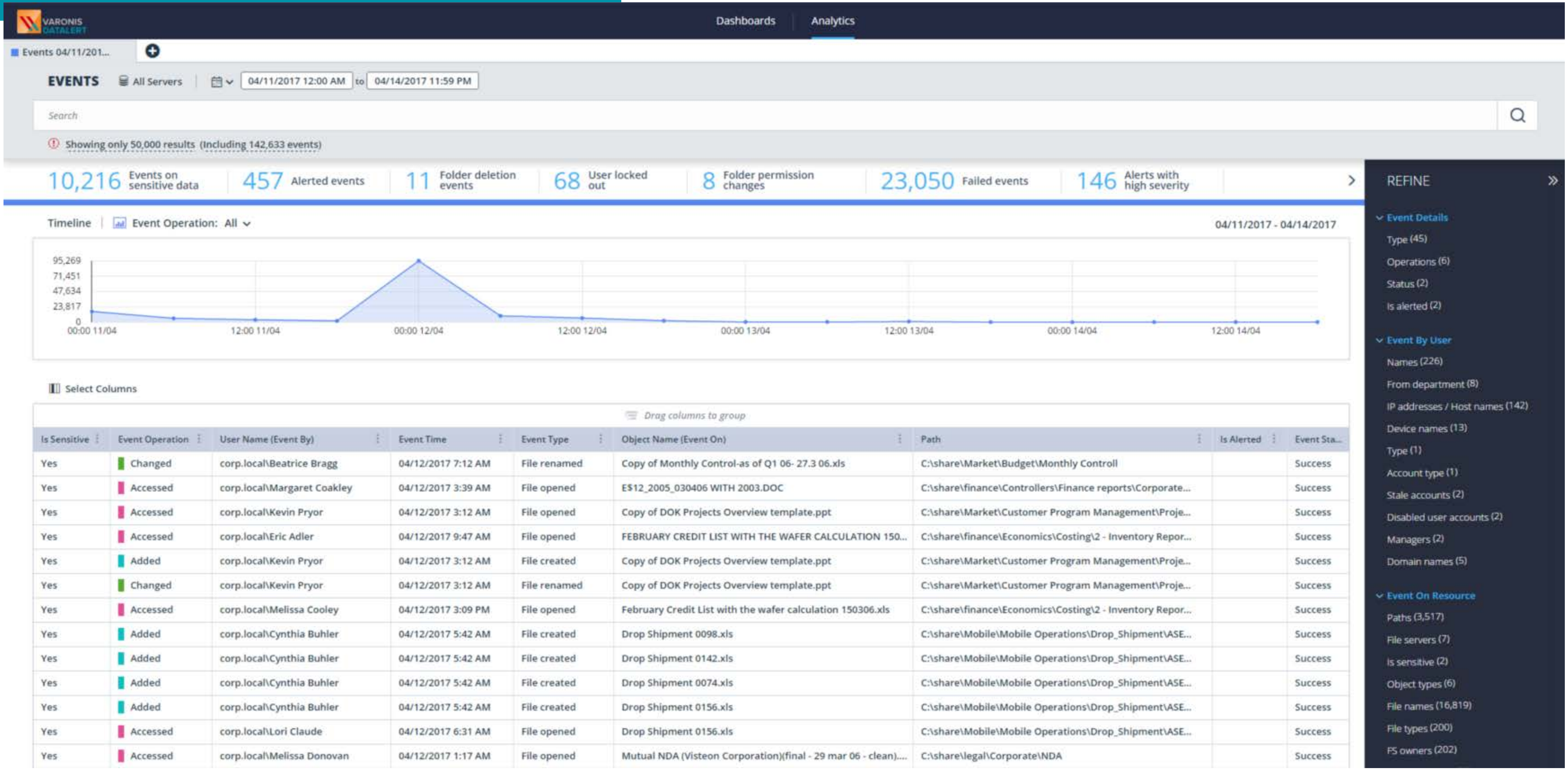
Last run time: Start Select a date End Select a date

Rule Name	Type	Status	Progress (%)	Last Run	Schedule
Department Archival Rule	Regular	Ready to run			No Schedule
Media File Removal	Regular	Ready to run			No Schedule
Replication of Sales Data	Mirror	Ready to run			No Schedule
HR Historical Record Archive Rule	Regular	Ready to run		4/13/2017 10:52 PM	No Schedule
GDPR Quarantine	Regular	Ready to run			No Schedule

Total number of rules: 5

Create custom rules with Varonis data

Complete Audit Trail of User Activity



EVENTS All Servers 04/11/2017 12:00 AM to 04/14/2017 11:59 PM

Search

Showing only 50,000 results (Including 142,633 events)

10,216 Events on sensitive data | 457 Alerted events | 11 Folder deletion events | 68 User locked out | 8 Folder permission changes | 23,050 Failed events | 146 Alerts with high severity

Timeline | Event Operation: All

04/11/2017 - 04/14/2017

Select Columns

Drag columns to group

Is Sensitive	Event Operation	User Name (Event By)	Event Time	Event Type	Object Name (Event On)	Path	Is Alerted	Event Sta...
Yes	🟩 Changed	corp.local\Beatrice Bragg	04/12/2017 7:12 AM	File renamed	Copy of Monthly Control-as of Q1 06- 27.3 06.xls	C:\share\Market\Budget\Monthly Controll		Success
Yes	🟥 Accessed	corp.local\Margaret Coakley	04/12/2017 3:39 AM	File opened	E$12_2005_030406 WITH 2003.DOC	C:\share\finance\Controllers\Finance reports\Corporate...		Success
Yes	🟥 Accessed	corp.local\Kevin Pryor	04/12/2017 3:12 AM	File opened	Copy of DOK Projects Overview template.ppt	C:\share\Market\Customer Program Management\Proje...		Success
Yes	🟥 Accessed	corp.local\Eric Adler	04/12/2017 9:47 AM	File opened	FEBRUARY CREDIT LIST WITH THE WAFER CALCULATION 150...	C:\share\finance\Economics\Costing\2 - Inventory Repor...		Success
Yes	🟦 Added	corp.local\Kevin Pryor	04/12/2017 3:12 AM	File created	Copy of DOK Projects Overview template.ppt	C:\share\Market\Customer Program Management\Proje...		Success
Yes	🟩 Changed	corp.local\Kevin Pryor	04/12/2017 3:12 AM	File renamed	Copy of DOK Projects Overview template.ppt	C:\share\Market\Customer Program Management\Proje...		Success
Yes	🟥 Accessed	corp.local\Melissa Cooley	04/12/2017 3:09 PM	File opened	February Credit List with the wafer calculation 150306.xls	C:\share\finance\Economics\Costing\2 - Inventory Repor...		Success
Yes	🟦 Added	corp.local\Cynthia Buhler	04/12/2017 5:42 AM	File created	Drop Shipment 0098.xls	C:\share\Mobile\Mobile Operations\Drop_Shipment\ASE...		Success
Yes	🟦 Added	corp.local\Cynthia Buhler	04/12/2017 5:42 AM	File created	Drop Shipment 0142.xls	C:\share\Mobile\Mobile Operations\Drop_Shipment\ASE...		Success
Yes	🟦 Added	corp.local\Cynthia Buhler	04/12/2017 5:42 AM	File created	Drop Shipment 0074.xls	C:\share\Mobile\Mobile Operations\Drop_Shipment\ASE...		Success
Yes	🟦 Added	corp.local\Cynthia Buhler	04/12/2017 5:42 AM	File created	Drop Shipment 0156.xls	C:\share\Mobile\Mobile Operations\Drop_Shipment\ASE...		Success
Yes	🟥 Accessed	corp.local\Lori Claude	04/12/2017 6:31 AM	File opened	Drop Shipment 0156.xls	C:\share\Mobile\Mobile Operations\Drop_Shipment\ASE...		Success
Yes	🟥 Accessed	corp.local\Melissa Donovan	04/12/2017 1:17 AM	File opened	Mutual NDA (Visteon Corporation)(final - 29 mar 06 - clean)...	C:\share\legal\Corporate\NDA		Success

REFINE

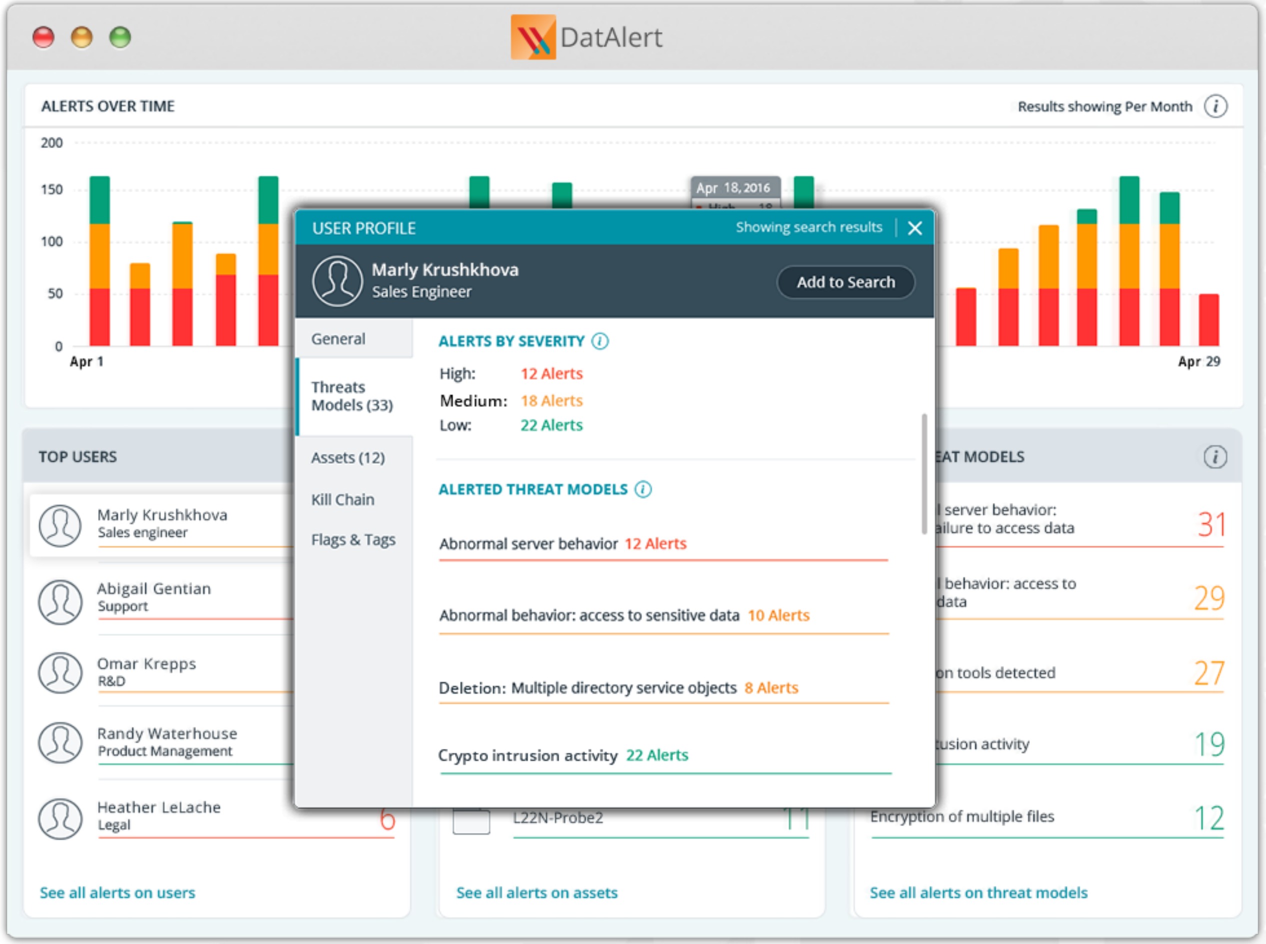
Event Details
- Type (45)
- Operations (6)
- Status (2)
- Is alerted (2)

Event By User
- Names (226)
- From department (8)
- IP addresses / Host names (142)
- Device names (13)
- Type (1)
- Account type (1)
- Stale accounts (2)
- Disabled user accounts (2)
- Managers (2)
- Domain names (5)

Event On Resource
- Paths (3,517)
- File servers (7)
- Is sensitive (2)
- Object types (6)
- File names (16,819)
- File types (200)
- FS owners (202)

(UBA)Behavioral & Real Time Alerts/Threat models

- **Abnormal Service Behavior:**
  Access to atypical files
- **Abnormal User Behavior:**
  Unusual amount of access to idle and sensitive data
- **Ransomware alerted on and stopped**
- **Insider threats detected and stopped**
- **Real time visibility into auditing**



TOP USERS

Marly Krushkhova Sales engineer	
Abigail Gentian Support	
Omar Krepps R&D	
Randy Waterhouse Product Management	
Heather LeLache Legal	6

L22N-Probe2 11

EAT MODELS

l server behavior: ailure to access data	31
l behavior: access to data	29
on tools detected	27
usion activity	19
Encryption of multiple files	12

USER PROFILE — Showing search results

Marly Krushkhova
Sales Engineer

General
Threats Models (33)
Assets (12)
Kill Chain
Flags & Tags

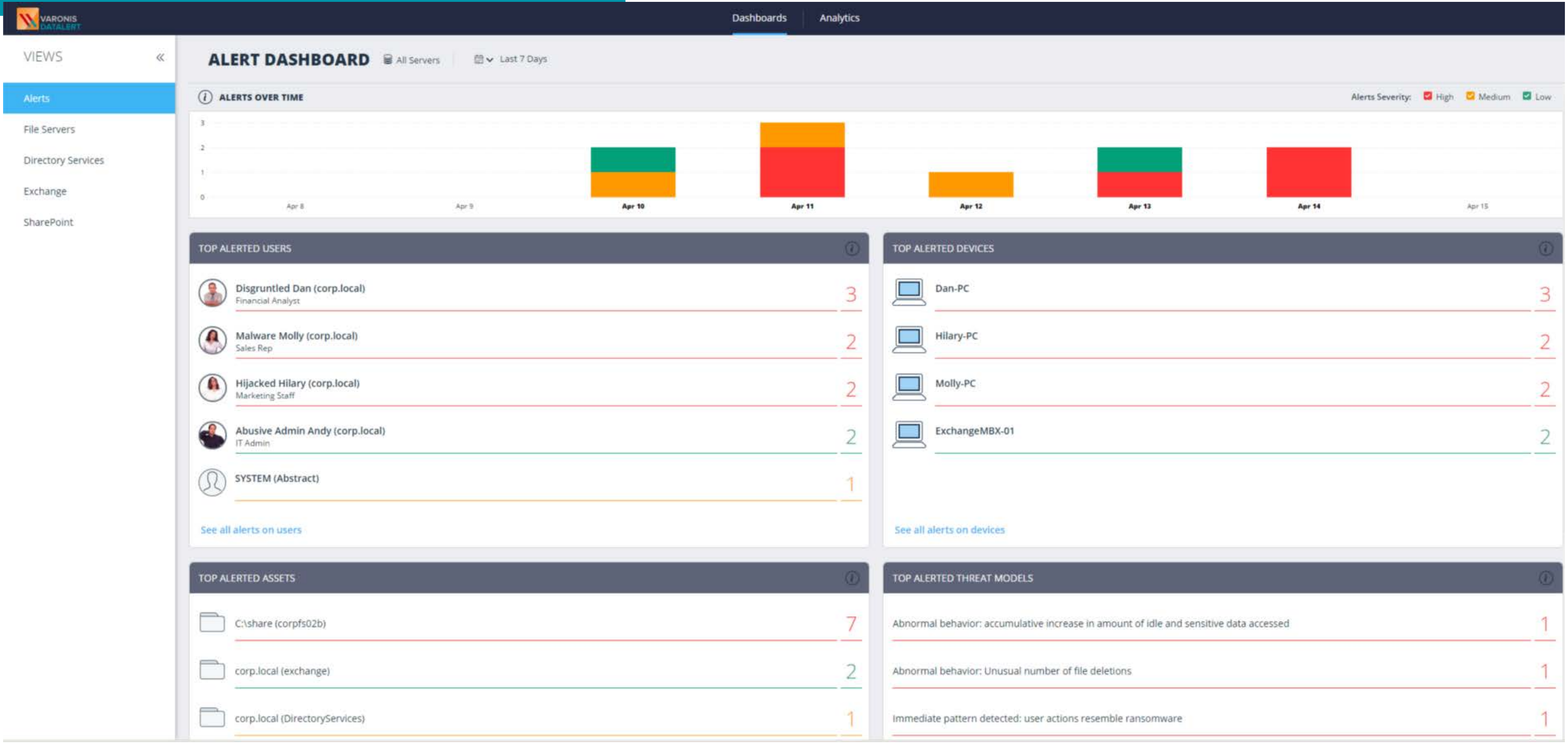
ALERTS BY SEVERITY

High:	12 Alerts
Medium:	18 Alerts
Low:	22 Alerts

ALERTED THREAT MODELS

- Abnormal server behavior 12 Alerts
- Abnormal behavior: access to sensitive data 10 Alerts
- Deletion: Multiple directory service objects 8 Alerts
- Crypto intrusion activity 22 Alerts

Alert Dashboard for Threat Detection & Investigation



ALERT DASHBOARD

ALERTS OVER TIME

TOP ALERTED USERS

Disgruntled Dan (corp.local) Financial Analyst	3
Malware Molly (corp.local) Sales Rep	2
Hijacked Hilary (corp.local) Marketing Staff	2
Abusive Admin Andy (corp.local) IT Admin	2
SYSTEM (Abstract)	1

See all alerts on users

TOP ALERTED DEVICES

Dan-PC	3
Hilary-PC	2
Molly-PC	2
ExchangeMBX-01	2

See all alerts on devices

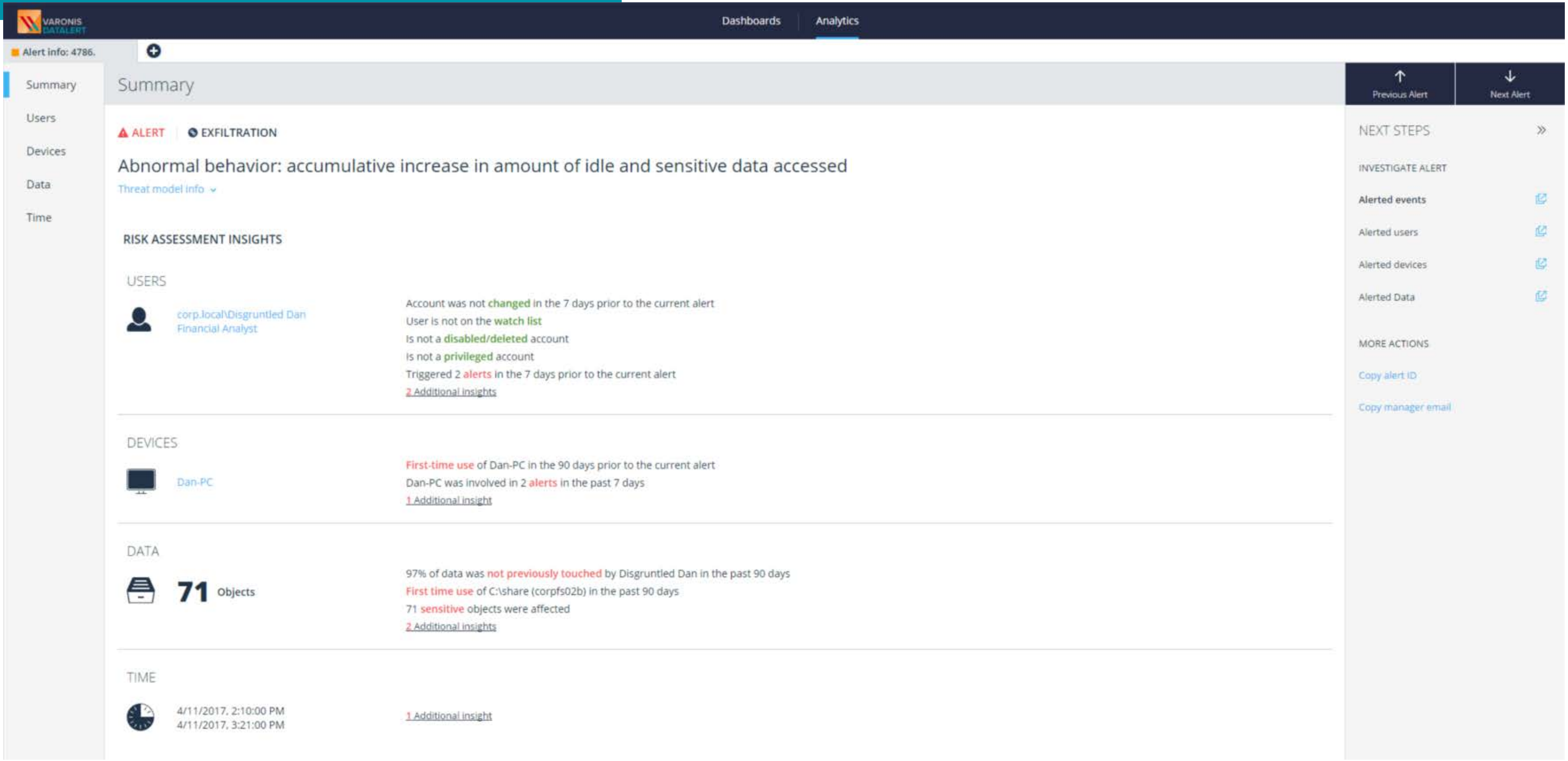
TOP ALERTED ASSETS

C:\share (corpfs02b)	7
corp.local (exchange)	2
corp.local (DirectoryServices)	1

TOP ALERTED THREAT MODELS

Abnormal behavior: accumulative increase in amount of idle and sensitive data accessed	1
Abnormal behavior: Unusual number of file deletions	1
Immediate pattern detected: user actions resemble ransomware	1

Alert Dashboard for Threat Detection & Investigation



Summary

ALERT | EXFILTRATION

Abnormal behavior: accumulative increase in amount of idle and sensitive data accessed

Threat model info

RISK ASSESSMENT INSIGHTS

USERS

corp.local\Disgruntled Dan
Financial Analyst

Account was not changed in the 7 days prior to the current alert
User is not on the watch list
Is not a disabled/deleted account
Is not a privileged account
Triggered 2 alerts in the 7 days prior to the current alert
2 Additional insights

DEVICES

Dan-PC

First-time use of Dan-PC in the 90 days prior to the current alert
Dan-PC was involved in 2 alerts in the past 7 days
1 Additional insight

DATA

71 Objects

97% of data was not previously touched by Disgruntled Dan in the past 90 days
First time use of C:\share (corpfs02b) in the past 90 days
71 sensitive objects were affected
2 Additional insights

TIME

4/11/2017, 2:10:00 PM
4/11/2017, 3:21:00 PM

1 Additional insight

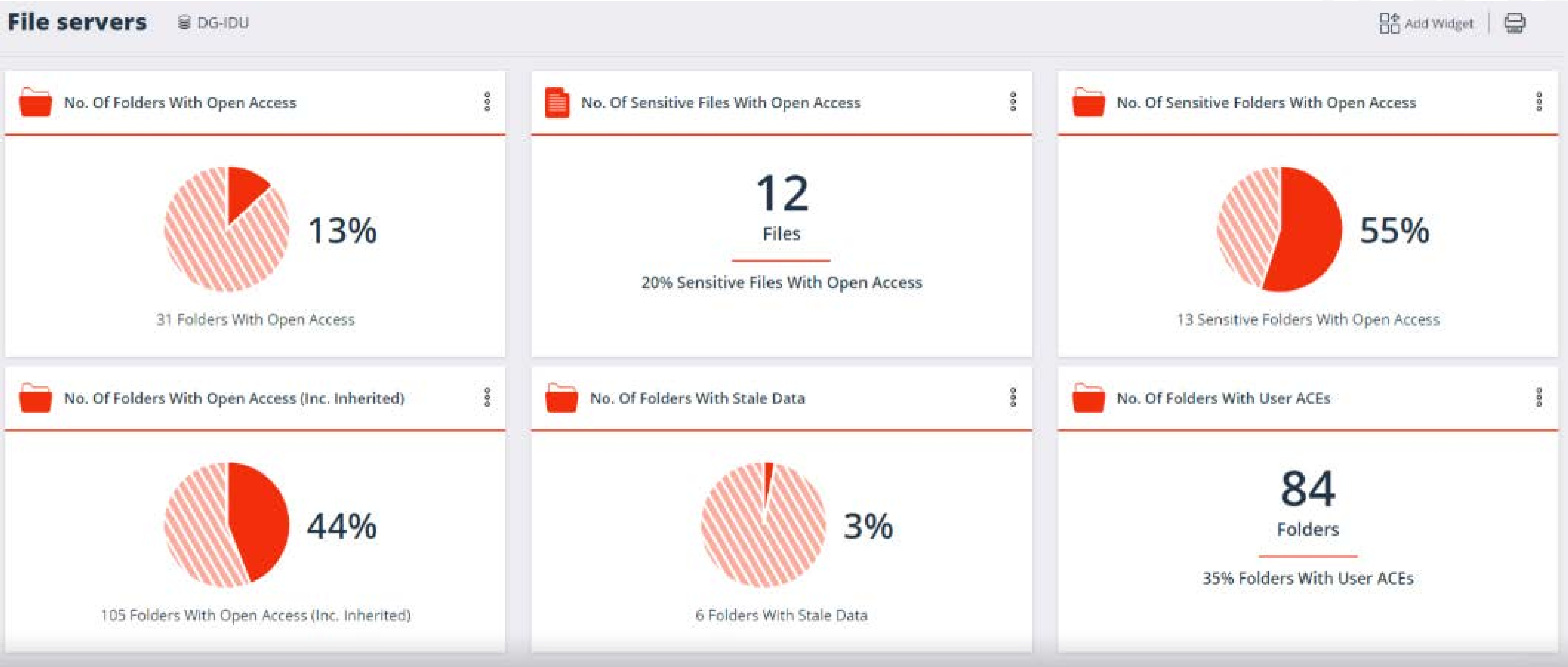
NEXT STEPS

INVESTIGATE ALERT

Alerted events
Alerted users
Alerted devices
Alerted Data

MORE ACTIONS

Copy alert ID
Copy manager email



No. Of Folders With Open Access

13%

31 Folders With Open Access

No. Of Sensitive Files With Open Access

12 Files

20% Sensitive Files With Open Access

No. Of Sensitive Folders With Open Access

55%

13 Sensitive Folders With Open Access

No. Of Folders With Open Access (Inc. Inherited)

44%

105 Folders With Open Access (Inc. Inherited)

No. Of Folders With Stale Data

3%

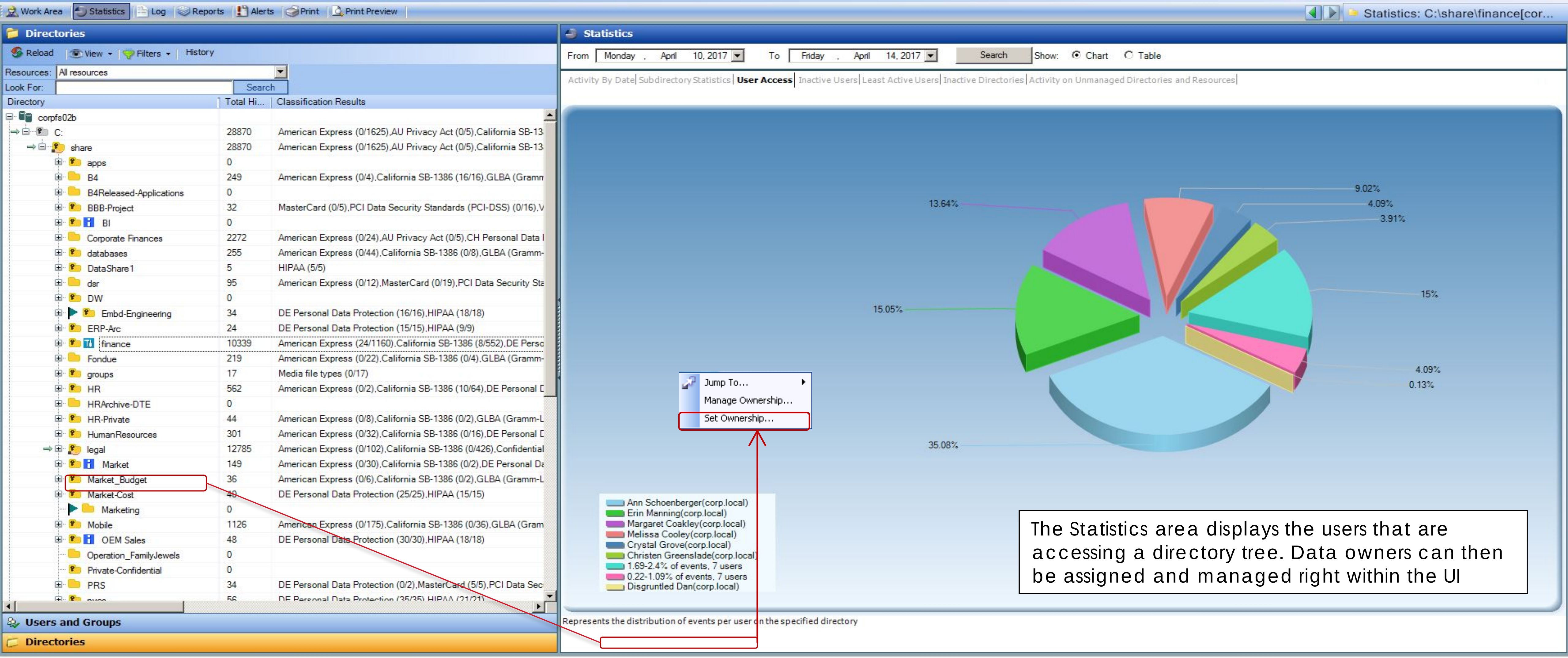
6 Folders With Stale Data

No. Of Folders With User ACEs

84 Folders

35% Folders With User ACEs

Key Risk Indicators



Resources: All resources

Look For:

From Monday , April 10, 2017 To Friday , April 14, 2017

Show: ● Chart ○ Table

Directory	Total Hi...	Classification Results
corpfs02b		
C:	28870	American Express (0/1625),AU Privacy Act (0/5),California SB-13
share	28870	American Express (0/1625),AU Privacy Act (0/5),California SB-13
apps	0	
B4	249	American Express (0/4),California SB-1386 (16/16),GLBA (Gramm
B4Released-Applications	0	
BBB-Project	32	MasterCard (0/5),PCI Data Security Standards (PCI-DSS) (0/16),V
BI	0	
Corporate Finances	2272	American Express (0/24),AU Privacy Act (0/5),CH Personal Data I
databases	255	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-
DataShare1	5	HIPAA (5/5)
dsr	95	American Express (0/12),MasterCard (0/19),PCI Data Security Sta
DW	0	
Embd-Engineering	34	DE Personal Data Protection (16/16),HIPAA (18/18)
ERP-Arc	24	DE Personal Data Protection (15/15),HIPAA (9/9)
finance	10339	American Express (24/1160),California SB-1386 (8/552),DE Perso
Fondue	219	American Express (0/22),California SB-1386 (0/4),GLBA (Gramm-
groups	17	Media file types (0/17)
HR	562	American Express (0/2),California SB-1386 (10/64),DE Personal D
HRArchive-DTE	0	
HR-Private	44	American Express (0/8),California SB-1386 (0/2),GLBA (Gramm-L
HumanResources	301	American Express (0/32),California SB-1386 (0/16),DE Personal D
legal	12785	American Express (0/102),California SB-1386 (0/426),Confidential
Market	149	American Express (0/30),California SB-1386 (0/2),DE Personal Da
Market_Budget	36	American Express (0/6),California SB-1386 (0/2),GLBA (Gramm-L
Market-Cost	40	DE Personal Data Protection (25/25),HIPAA (15/15)
Marketing	0	
Mobile	1126	American Express (0/175),California SB-1386 (0/36),GLBA (Gram
OEM Sales	48	DE Personal Data Protection (30/30),HIPAA (18/18)
Operation_FamilyJewels	0	
Private-Confidential	0	
PRS	34	DE Personal Data Protection (0/2),MasterCard (5/5),PCI Data Sec
[illegible]	56	DE Personal Data Protection (35/35),HIPAA (21/21)

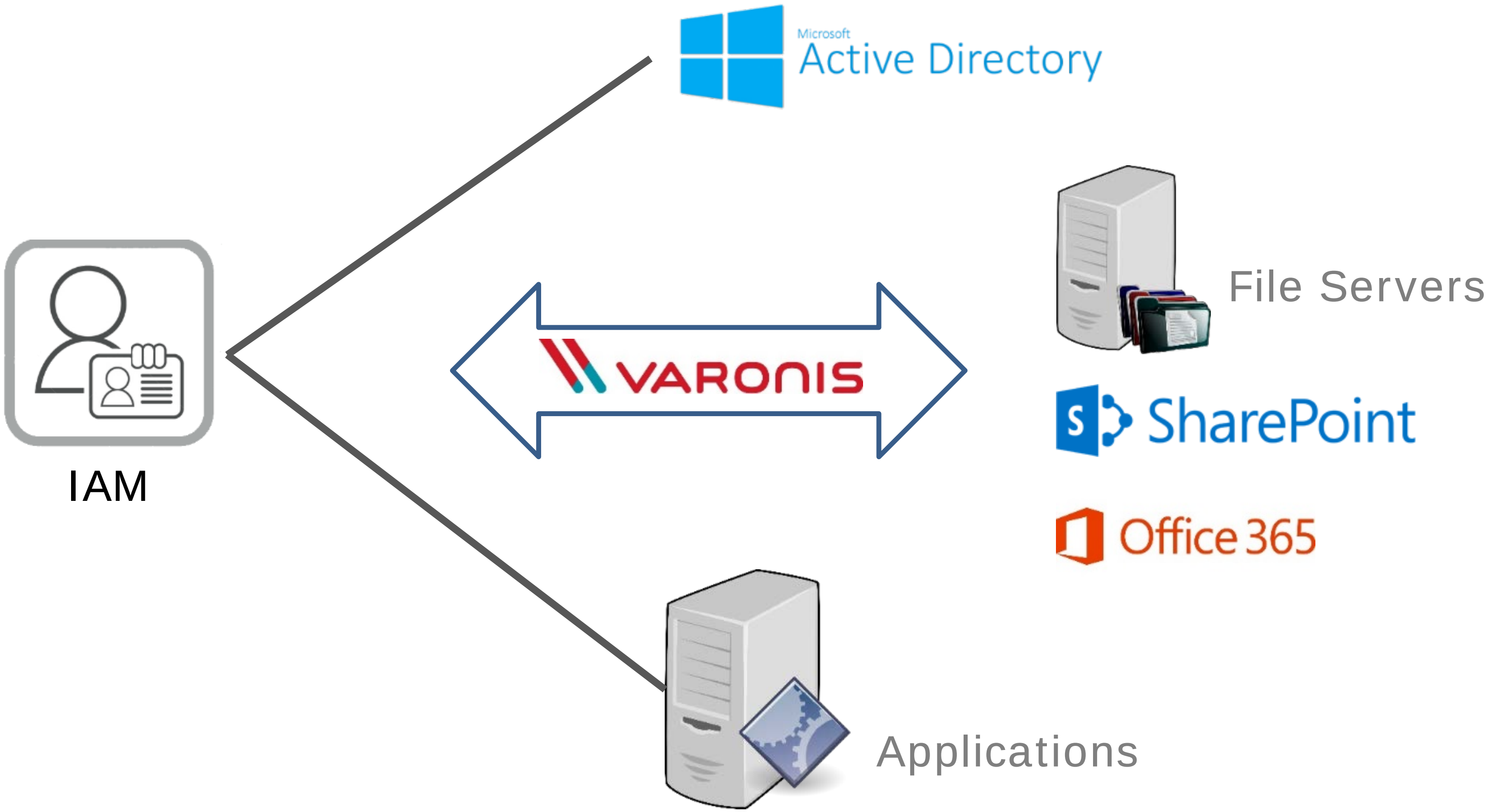
- Ann Schoenberger(corp.local)
- Erin Manning(corp.local)
- Margaret Coakley(corp.local)
- Melissa Cooley(corp.local)
- Crystal Grove(corp.local)
- Christen Greenslade(corp.local)
- 1.69-2.4% of events, 7 users
- 0.22-1.09% of events, 7 users
- Disgruntled Dan(corp.local)

Represents the distribution of events per user on the specified directory

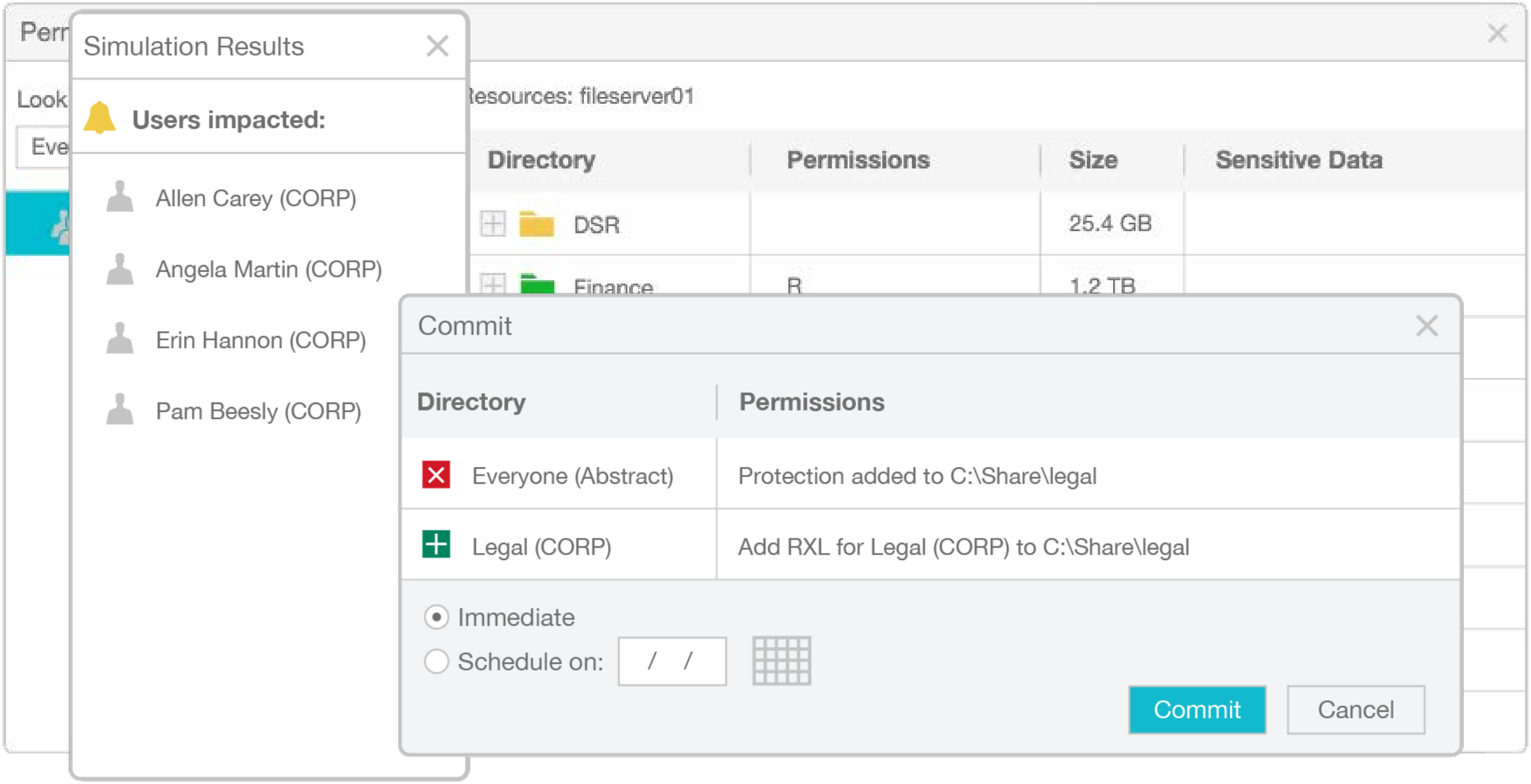
The Statistics area displays the users that are accessing a directory tree. Data owners can then be assigned and managed right within the UI

Identify and Manage Folder Owners

Extending IAM with Varonis



Eliminate Global Access



Simulation Results

Users impacted:

- Allen Carey (CORP)
- Angela Martin (CORP)
- Erin Hannon (CORP)
- Pam Beesly (CORP)

esources: fileserver01

Directory	Permissions	Size	Sensitive Data
⊞ DSR		25.4 GB	
⊞ Finance	R	1.2 TB	

Commit

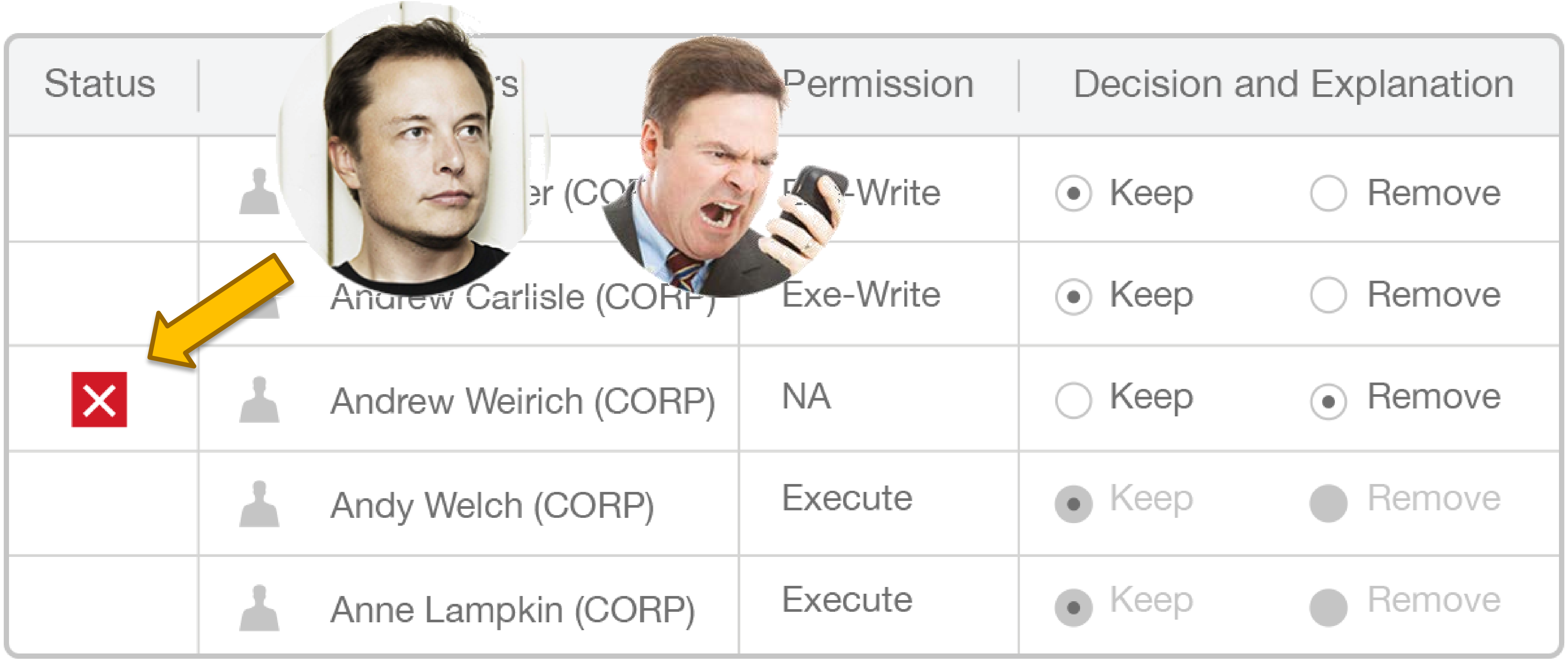
Directory	Permissions
☒ Everyone (Abstract)	Protection added to C:\Share\legal
⊞ Legal (CORP)	Add RXL for Legal (CORP) to C:\Share\legal

● Immediate

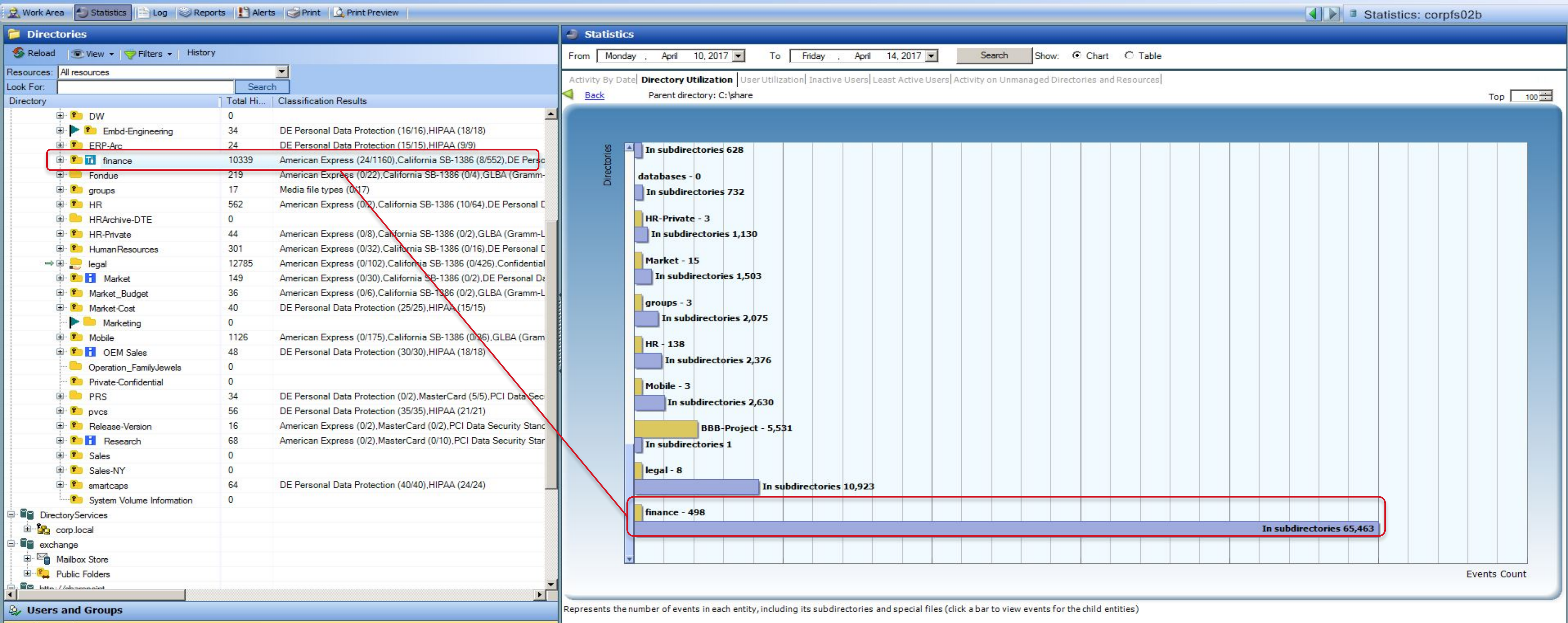
○ Schedule on: / /

Warning!
Erin Hannon will lose access to data she's been using!

Automate Entitlement Reviews



Status	rs	Permission	Decision and Explanation	
	er (CO	-Write	◉ Keep	○ Remove
	Andrew Carlisle (CORP)	Exe-Write	◉ Keep	○ Remove
☒	Andrew Weirich (CORP)	NA	○ Keep	◉ Remove
	Andy Welch (CORP)	Execute	◉ Keep	● Remove
	Anne Lampkin (CORP)	Execute	◉ Keep	● Remove



Resources: All resources

Look For:

From Monday, April 10, 2017 To Friday, April 14, 2017 Show: ● Chart ○ Table

Parent directory: C:\share

Top 100

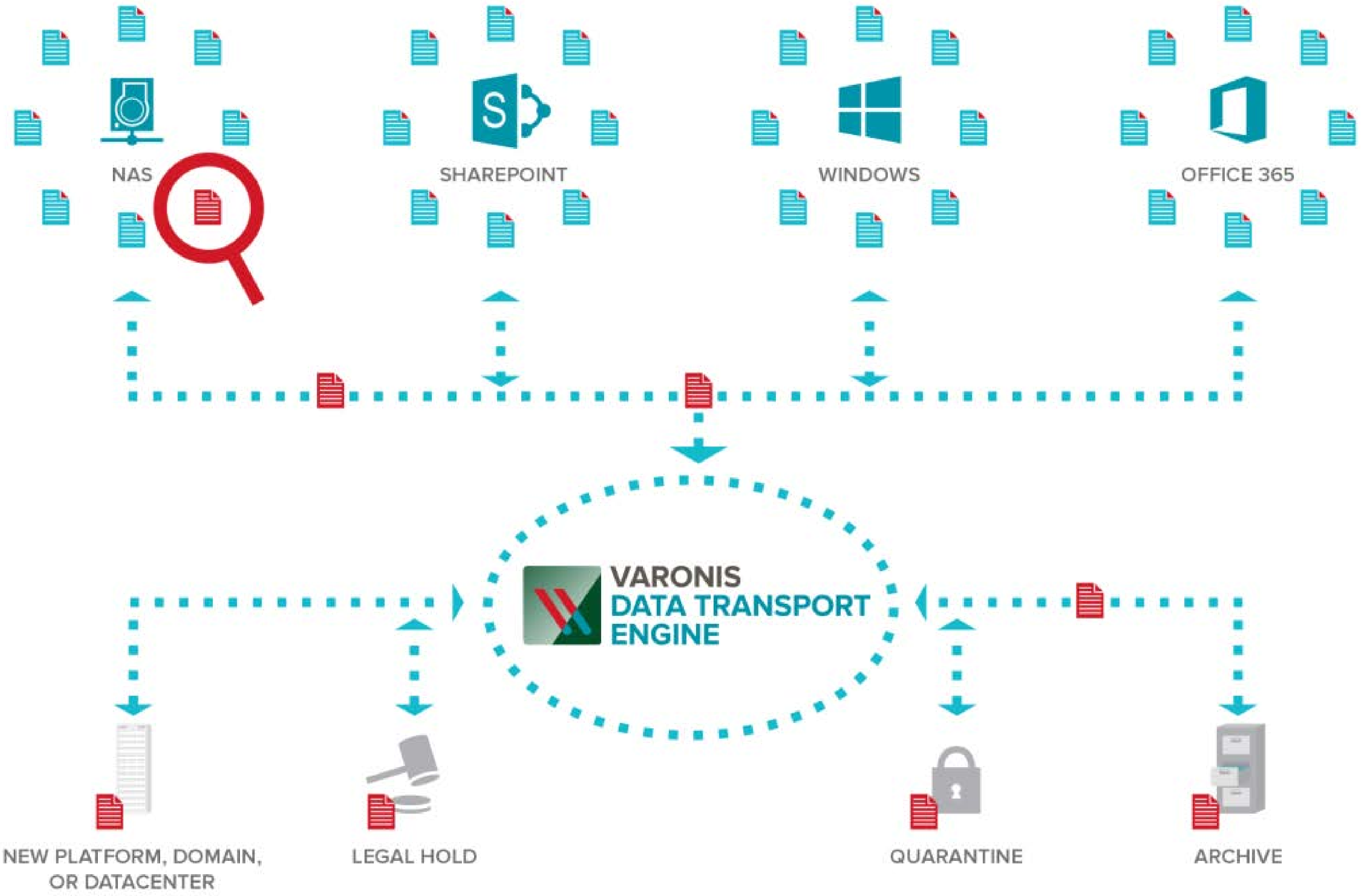
Directory	Total Hi...	Classification Results
DW	0	
Embd-Engineering	34	DE Personal Data Protection (16/16),HIPAA (18/18)
ERP-Arc	24	DE Personal Data Protection (15/15),HIPAA (9/9)
finance	10339	American Express (24/1160),California SB-1386 (8/552),DE Perso
Fondue	219	American Express (0/22),California SB-1386 (0/4),GLBA (Gramm-
groups	17	Media file types (0/17)
HR	562	American Express (0/2),California SB-1386 (10/64),DE Personal D
HRArchive-DTE	0	
HR-Private	44	American Express (0/8),California SB-1386 (0/2),GLBA (Gramm-L
HumanResources	301	American Express (0/32),California SB-1386 (0/16),DE Personal D
legal	12785	American Express (0/102),California SB-1386 (0/426),Confidential
Market	149	American Express (0/30),California SB-1386 (0/2),DE Personal Da
Market_Budget	36	American Express (0/6),California SB-1386 (0/2),GLBA (Gramm-L
Market-Cost	40	DE Personal Data Protection (25/25),HIPAA (15/15)
Marketing	0	
Mobile	1126	American Express (0/175),California SB-1386 (0/36),GLBA (Gram
OEM Sales	48	DE Personal Data Protection (30/30),HIPAA (18/18)
Operation_FamilyJewels	0	
Private-Confidential	0	
PRS	34	DE Personal Data Protection (0/2),MasterCard (5/5),PCI Data Sec
pvcs	56	DE Personal Data Protection (35/35),HIPAA (21/21)
Release-Version	16	American Express (0/2),MasterCard (0/2),PCI Data Security Stanc
Research	68	American Express (0/2),MasterCard (0/10),PCI Data Security Star
Sales	0	
Sales-NY	0	
smartcaps	64	DE Personal Data Protection (40/40),HIPAA (24/24)
System Volume Information	0	
DirectoryServices		
corp.local		
exchange		
Mailbox Store		
Public Folders		

Represents the number of events in each entity, including its subdirectories and special files (click a bar to view events for the child entities)

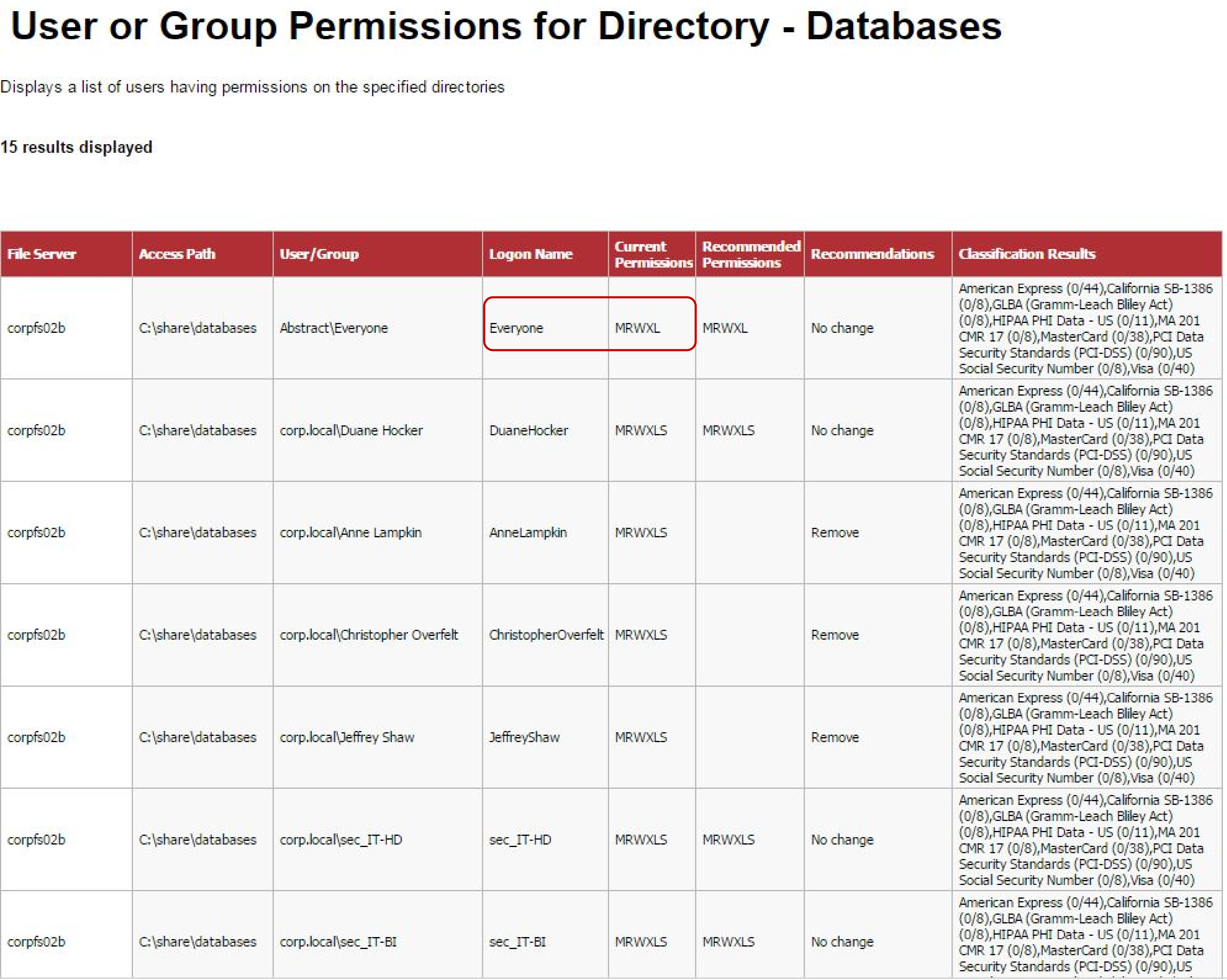
The **Finance** folder has been the most active folder during the assessment with almost **1 Million** events. This folder also contains Sensitive data so permissions need to be reviewed and ensure that only the proper users/groups should have access to this data set.

Determine What High Risk Data is Active vs. Stale

Automate Disposition & Quarantining



Automatically send Group Membership or Folder Permission Reports to Owners



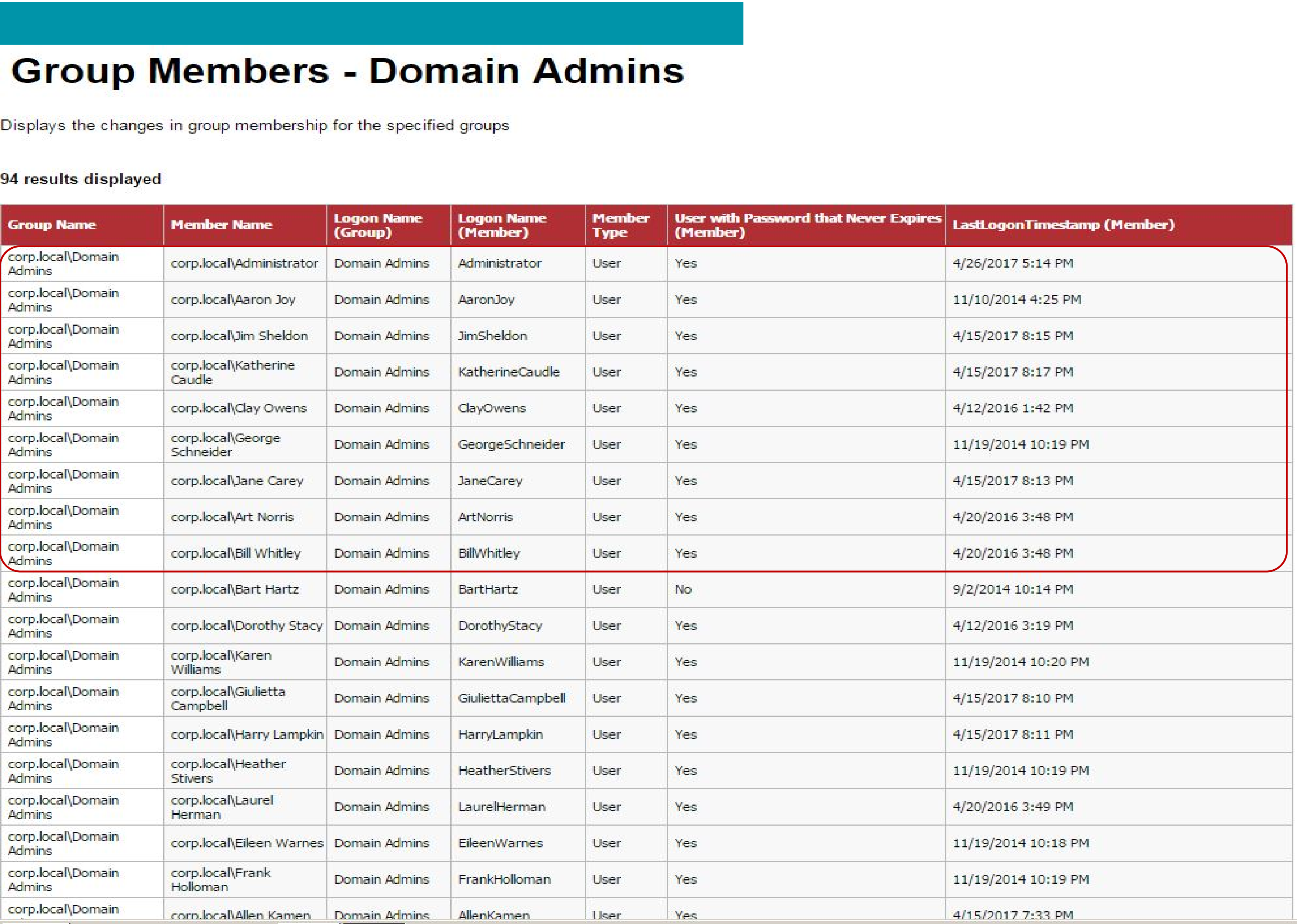
User or Group Permissions for Directory - Databases

Displays a list of users having permissions on the specified directories

15 results displayed

File Server	Access Path	User/Group	Logon Name	Current Permissions	Recommended Permissions	Recommendations	Classification Results
corpfs02b	C:\share\databases	Abstract\Everyone	Everyone	MRWXL	MRWXL	No change	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),HIPAA PHI Data - US (0/11),MA 201 CMR 17 (0/8),MasterCard (0/38),PCI Data Security Standards (PCI-DSS) (0/90),US Social Security Number (0/8),Visa (0/40)
corpfs02b	C:\share\databases	corp.local\Duane Hocker	DuaneHocker	MRWXLS	MRWXLS	No change	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),HIPAA PHI Data - US (0/11),MA 201 CMR 17 (0/8),MasterCard (0/38),PCI Data Security Standards (PCI-DSS) (0/90),US Social Security Number (0/8),Visa (0/40)
corpfs02b	C:\share\databases	corp.local\Anne Lampkin	AnneLampkin	MRWXLS		Remove	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),HIPAA PHI Data - US (0/11),MA 201 CMR 17 (0/8),MasterCard (0/38),PCI Data Security Standards (PCI-DSS) (0/90),US Social Security Number (0/8),Visa (0/40)
corpfs02b	C:\share\databases	corp.local\Christopher Overfelt	ChristopherOverfelt	MRWXLS		Remove	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),HIPAA PHI Data - US (0/11),MA 201 CMR 17 (0/8),MasterCard (0/38),PCI Data Security Standards (PCI-DSS) (0/90),US Social Security Number (0/8),Visa (0/40)
corpfs02b	C:\share\databases	corp.local\Jeffrey Shaw	JeffreyShaw	MRWXLS		Remove	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),HIPAA PHI Data - US (0/11),MA 201 CMR 17 (0/8),MasterCard (0/38),PCI Data Security Standards (PCI-DSS) (0/90),US Social Security Number (0/8),Visa (0/40)
corpfs02b	C:\share\databases	corp.local\sec_IT-HD	sec_IT-HD	MRWXLS	MRWXLS	No change	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),HIPAA PHI Data - US (0/11),MA 201 CMR 17 (0/8),MasterCard (0/38),PCI Data Security Standards (PCI-DSS) (0/90),US Social Security Number (0/8),Visa (0/40)
corpfs02b	C:\share\databases	corp.local\sec_IT-BI	sec_IT-BI	MRWXLS	MRWXLS	No change	American Express (0/44),California SB-1386 (0/8),GLBA (Gramm-Leach Bliley Act) (0/8),HIPAA PHI Data - US (0/11),MA 201 CMR 17 (0/8),MasterCard (0/38),PCI Data Security Standards (PCI-DSS) (0/90),US

Automated Privileged Account Review



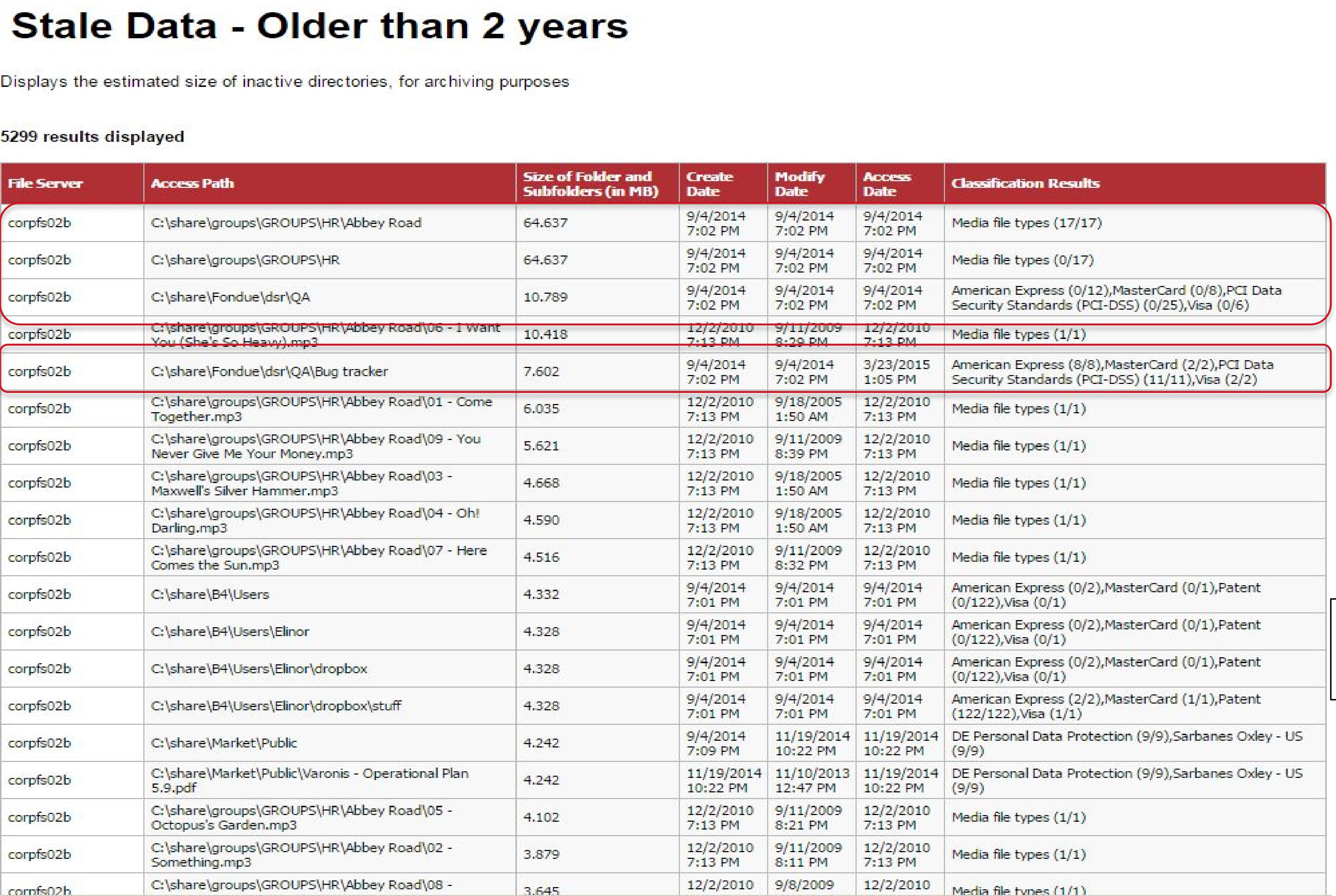
Group Members - Domain Admins

Displays the changes in group membership for the specified groups

94 results displayed

Group Name	Member Name	Logon Name (Group)	Logon Name (Member)	Member Type	User with Password that Never Expires (Member)	LastLogonTimestamp (Member)
corp.local\Domain Admins	corp.local\Administrator	Domain Admins	Administrator	User	Yes	4/26/2017 5:14 PM
corp.local\Domain Admins	corp.local\Aaron Joy	Domain Admins	AaronJoy	User	Yes	11/10/2014 4:25 PM
corp.local\Domain Admins	corp.local\Jim Sheldon	Domain Admins	JimSheldon	User	Yes	4/15/2017 8:15 PM
corp.local\Domain Admins	corp.local\Katherine Caudle	Domain Admins	KatherineCaudle	User	Yes	4/15/2017 8:17 PM
corp.local\Domain Admins	corp.local\Clay Owens	Domain Admins	ClayOwens	User	Yes	4/12/2016 1:42 PM
corp.local\Domain Admins	corp.local\George Schneider	Domain Admins	GeorgeSchneider	User	Yes	11/19/2014 10:19 PM
corp.local\Domain Admins	corp.local\Jane Carey	Domain Admins	JaneCarey	User	Yes	4/15/2017 8:13 PM
corp.local\Domain Admins	corp.local\Art Norris	Domain Admins	ArtNorris	User	Yes	4/20/2016 3:48 PM
corp.local\Domain Admins	corp.local\Bill Whitley	Domain Admins	BillWhitley	User	Yes	4/20/2016 3:48 PM
corp.local\Domain Admins	corp.local\Bart Hartz	Domain Admins	BartHartz	User	No	9/2/2014 10:14 PM
corp.local\Domain Admins	corp.local\Dorothy Stacy	Domain Admins	DorothyStacy	User	Yes	4/12/2016 3:19 PM
corp.local\Domain Admins	corp.local\Karen Williams	Domain Admins	KarenWilliams	User	Yes	11/19/2014 10:20 PM
corp.local\Domain Admins	corp.local\Giulietta Campbell	Domain Admins	GiuliettaCampbell	User	Yes	4/15/2017 8:10 PM
corp.local\Domain Admins	corp.local\Harry Lampkin	Domain Admins	HarryLampkin	User	Yes	4/15/2017 8:11 PM
corp.local\Domain Admins	corp.local\Heather Stivers	Domain Admins	HeatherStivers	User	Yes	11/19/2014 10:19 PM
corp.local\Domain Admins	corp.local\Laurel Herman	Domain Admins	LaurelHerman	User	Yes	4/20/2016 3:49 PM
corp.local\Domain Admins	corp.local\Eileen Warnes	Domain Admins	EileenWarnes	User	Yes	11/19/2014 10:18 PM
corp.local\Domain Admins	corp.local\Frank Holloman	Domain Admins	FrankHolloman	User	Yes	11/19/2014 10:19 PM
corp.local\Domain	corp.local\Allen Kamen	Domain Admins	AllenKamen	User	Yes	4/15/2017 7:33 PM

Report on Stale Data – corpfs02b



Stale Data - Older than 2 years

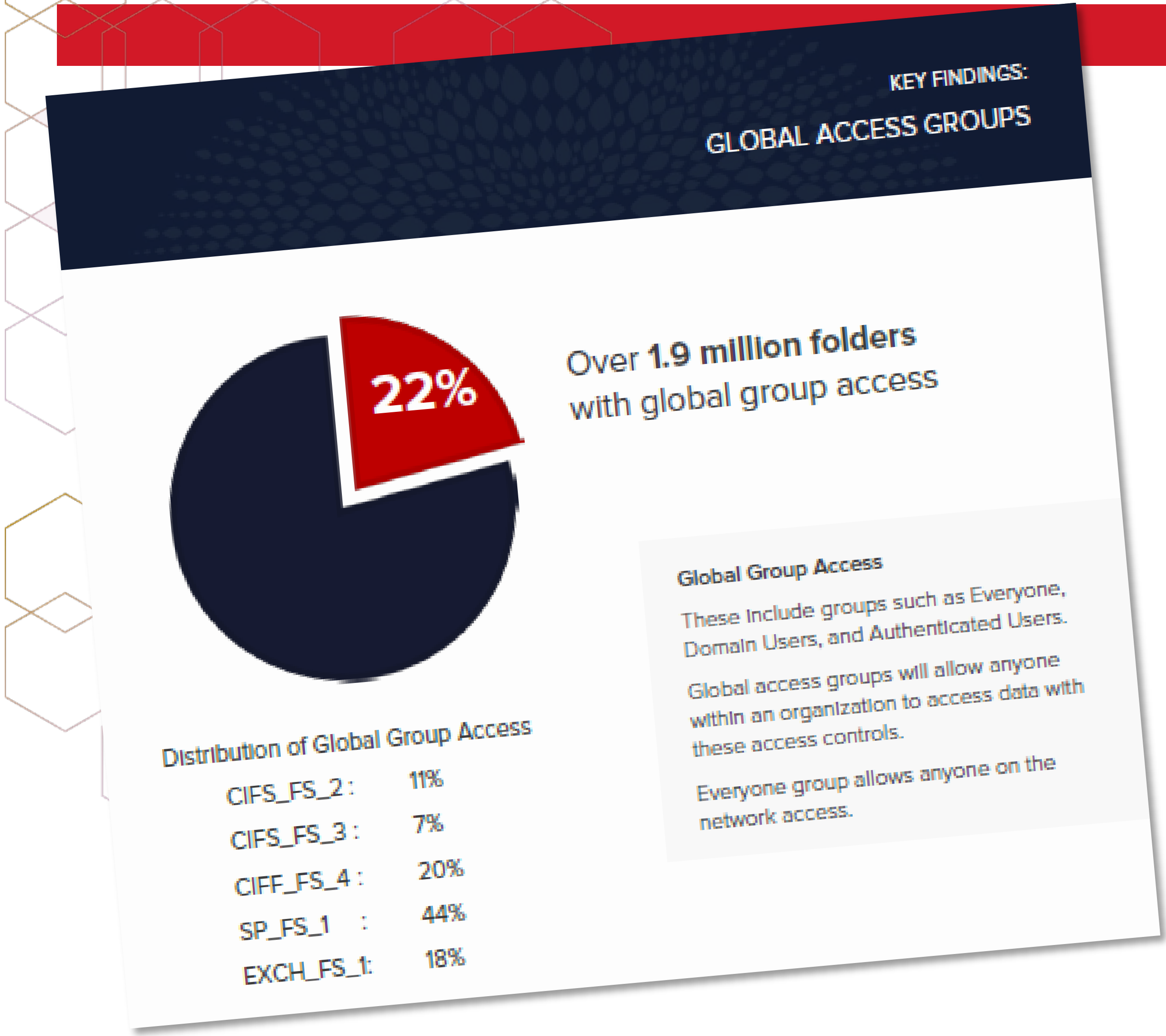
Displays the estimated size of inactive directories, for archiving purposes

5299 results displayed

File Server	Access Path	Size of Folder and Subfolders (in MB)	Create Date	Modify Date	Access Date	Classification Results
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road	64.637	9/4/2014 7:02 PM	9/4/2014 7:02 PM	9/4/2014 7:02 PM	Media file types (17/17)
corpfs02b	C:\share\groups\GROUPS\HR	64.637	9/4/2014 7:02 PM	9/4/2014 7:02 PM	9/4/2014 7:02 PM	Media file types (0/17)
corpfs02b	C:\share\Fondue\dsr\QA	10.789	9/4/2014 7:02 PM	9/4/2014 7:02 PM	9/4/2014 7:02 PM	American Express (0/12),MasterCard (0/8),PCI Data Security Standards (PCI-DSS) (0/25),Visa (0/6)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\06 - I Want You (She's So Heavy).mp3	10.418	12/2/2010 7:13 PM	9/11/2009 8:29 PM	12/2/2010 7:13 PM	Media file types (1/1)
corpfs02b	C:\share\Fondue\dsr\QA\Bug tracker	7.602	9/4/2014 7:02 PM	9/4/2014 7:02 PM	3/23/2015 1:05 PM	American Express (8/8),MasterCard (2/2),PCI Data Security Standards (PCI-DSS) (11/11),Visa (2/2)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\01 - Come Together.mp3	6.035	12/2/2010 7:13 PM	9/18/2005 1:50 AM	12/2/2010 7:13 PM	Media file types (1/1)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\09 - You Never Give Me Your Money.mp3	5.621	12/2/2010 7:13 PM	9/11/2009 8:39 PM	12/2/2010 7:13 PM	Media file types (1/1)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\03 - Maxwell's Silver Hammer.mp3	4.668	12/2/2010 7:13 PM	9/18/2005 1:50 AM	12/2/2010 7:13 PM	Media file types (1/1)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\04 - Oh! Darling.mp3	4.590	12/2/2010 7:13 PM	9/18/2005 1:50 AM	12/2/2010 7:13 PM	Media file types (1/1)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\07 - Here Comes the Sun.mp3	4.516	12/2/2010 7:13 PM	9/11/2009 8:32 PM	12/2/2010 7:13 PM	Media file types (1/1)
corpfs02b	C:\share\B4\Users	4.332	9/4/2014 7:01 PM	9/4/2014 7:01 PM	9/4/2014 7:01 PM	American Express (0/2),MasterCard (0/1),Patent (0/122),Visa (0/1)
corpfs02b	C:\share\B4\Users\Elinor	4.328	9/4/2014 7:01 PM	9/4/2014 7:01 PM	9/4/2014 7:01 PM	American Express (0/2),MasterCard (0/1),Patent (0/122),Visa (0/1)
corpfs02b	C:\share\B4\Users\Elinor\dropbox	4.328	9/4/2014 7:01 PM	9/4/2014 7:01 PM	9/4/2014 7:01 PM	American Express (0/2),MasterCard (0/1),Patent (0/122),Visa (0/1)
corpfs02b	C:\share\B4\Users\Elinor\dropbox\stuff	4.328	9/4/2014 7:01 PM	9/4/2014 7:01 PM	9/4/2014 7:01 PM	American Express (2/2),MasterCard (1/1),Patent (122/122),Visa (1/1)
corpfs02b	C:\share\Market\Public	4.242	9/4/2014 7:09 PM	11/19/2014 10:22 PM	11/19/2014 10:22 PM	DE Personal Data Protection (9/9),Sarbanes Oxley - US (9/9)
corpfs02b	C:\share\Market\Public\Varonis - Operational Plan 5.9.pdf	4.242	11/19/2014 10:22 PM	11/10/2013 12:47 PM	11/19/2014 10:22 PM	DE Personal Data Protection (9/9),Sarbanes Oxley - US (9/9)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\05 - Octopus's Garden.mp3	4.102	12/2/2010 7:13 PM	9/11/2009 8:21 PM	12/2/2010 7:13 PM	Media file types (1/1)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\02 - Something.mp3	3.879	12/2/2010 7:13 PM	9/11/2009 8:11 PM	12/2/2010 7:13 PM	Media file types (1/1)
corpfs02b	C:\share\groups\GROUPS\HR\Abbey Road\08 -	3.645	12/2/2010	9/8/2009	12/2/2010	Media file types (1/1)

This report highlights where Stale data resides. Some data may also be Sensitive which presents additional risk.

Try it yourself, 90 minutes to install.



KEY FINDINGS:

GLOBAL ACCESS GROUPS

Over **1.9 million folders** with global group access

Global Group Access

These include groups such as Everyone, Domain Users, and Authenticated Users.

Global access groups will allow anyone within an organization to access data with these access controls.

Everyone group allows anyone on the network access.

Distribution of Global Group Access

CIFS_FS_2 :	11%
CIFS_FS_3 :	7%
CIFF_FS_4 :	20%
SP_FS_1 :	44%
EXCH_FS_1:	18%

> "It was demonstrated very quickly that this is a product that works –
>
> Varonis does what it says it can do."

-- Ron Mark | Innovation and IT Manager, Gas Strategies

Our mission is to protect data from insider threats and cyberattacks.

Hear what our 5,700+ customers have to say:

https://www.varonis.com/ransomware-solutions
https://www.varonis.com/customers/
https://www.techvalidate.com/product-research/varonis-data-security-platform
https://www.techvalidate.com/portals/why-organizations-turn-to-varonis-to-meet-gdpr

Thank You!

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cprangley@varonis.com
212-729-6593 (cell)