SailPoint

When Identity Meets Data

Data Access Governance Solutions for the Enterprise

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1. Our point of view to data security and governance

2. The GDPR challenge

3. How we help with GDPR compliance

SailPoint approach to data security

71%

of staff have access to data they should not see

Ponemon Institute Report

80%

of company data is held in unstructured content

Forbes Report

1 in 7

employees will sell their credentials for $150

SailPoint Survey

89%

believe they are now at risk from insider threat

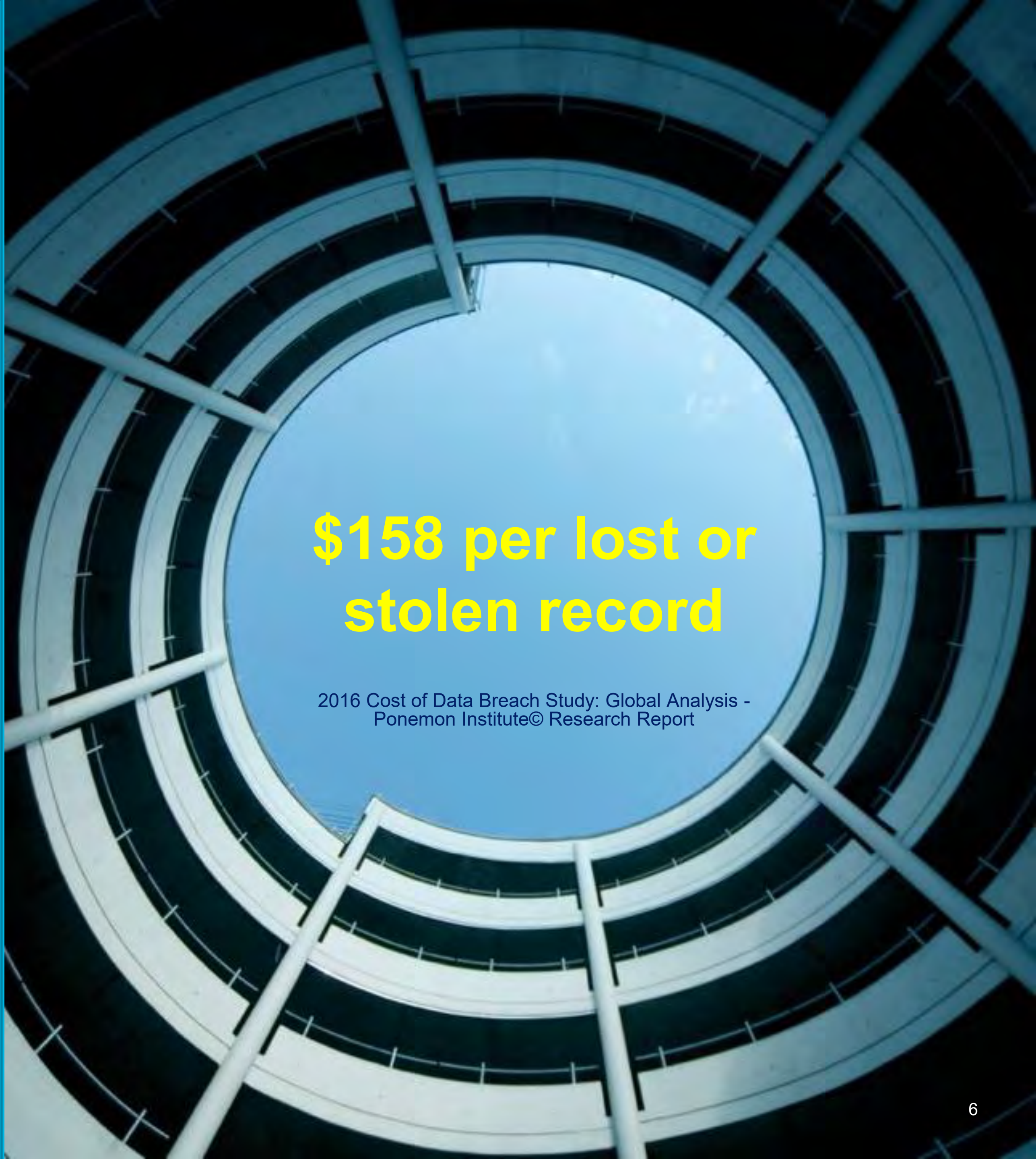
IT Governance Report

*Do you know **WHERE** your (**Sensitive**) data is?*

*Do you know **WHO** has access to it?*

*Is the access **APPROPRIATE**?*

*Can you **PROVE** it?*

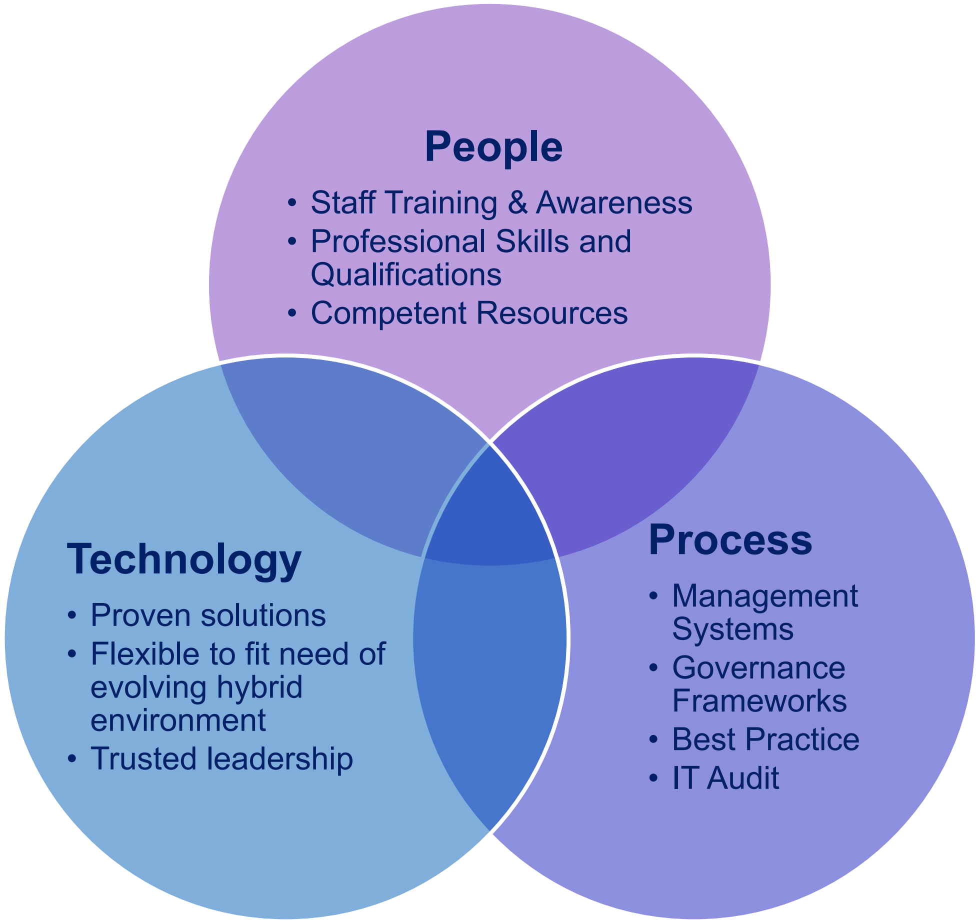


$158 per lost or stolen record

2016 Cost of Data Breach Study: Global Analysis - Ponemon Institute© Research Report

The GDPR Challenge

GDPR Solution: It’s not just Technology



People

- Staff Training & Awareness
- Professional Skills and Qualifications
- Competent Resources

Technology

- Proven solutions
- Flexible to fit need of evolving hybrid environment
- Trusted leadership

Process

- Management Systems
- Governance Frameworks
- Best Practice
- IT Audit

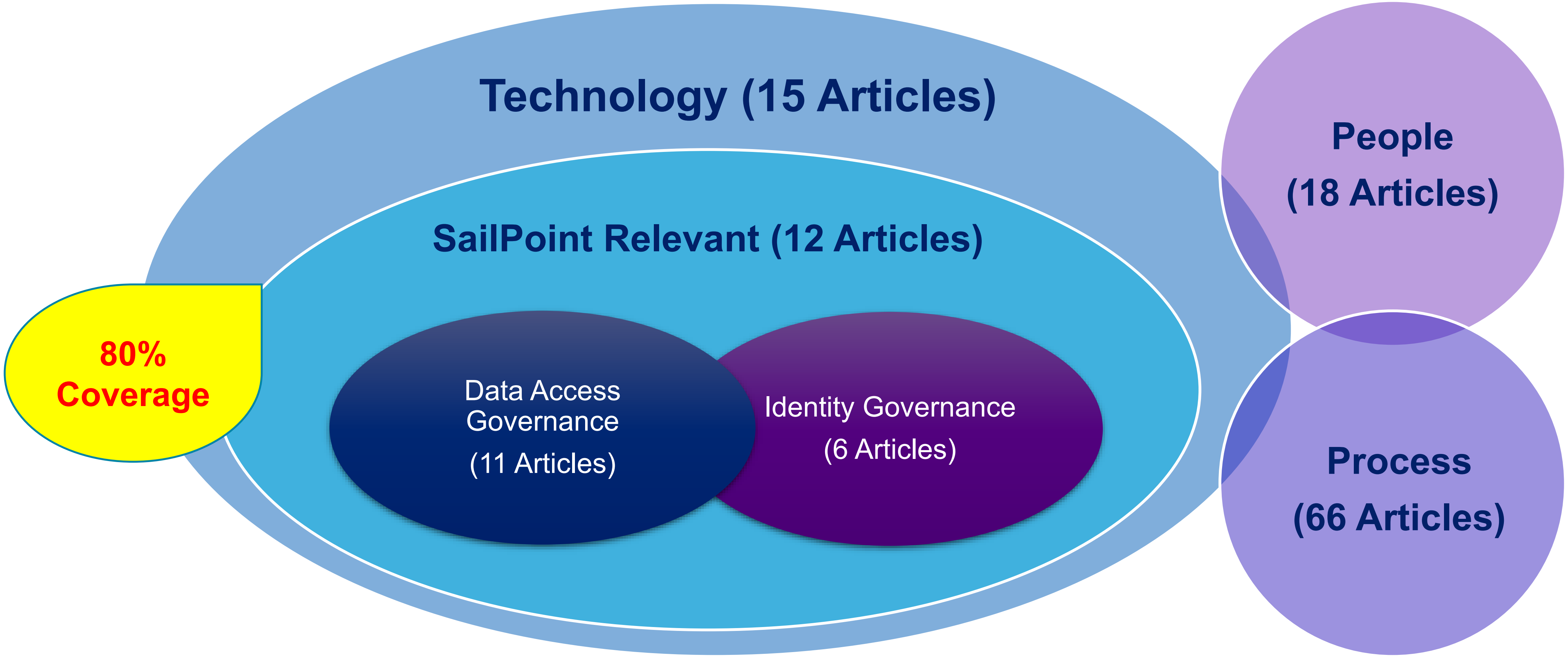
Highlights

- Consent
- Breach notification
- Right to access
- Right to be forgotten
- Data portability
- Privacy by design
- Personas

GDPR Compliance

- ✓ Worldwide application of a European data protection law
- ✓ Stringent rules for the protection, management and control of any EU citizen personally identifiable information (PII)
- ✓ Significant financial penalties for data breaches involving EU citizen PII, ranging from a minimum of €20 million up to 4% of an organization's global annual revenue
- ✓ Required material changes in how and where organizations store customer data
- ✓ A new data breach notification requirement
- ✓ New data privacy governance, data mapping and impact assessment requirements
- ✓ A requirement to implement "privacy by design and by default"

Technology Relevance to GDPR


Technology (15 Articles)
SailPoint Relevant (12 Articles)
80% Coverage
Data Access Governance (11 Articles)
Identity Governance (6 Articles)
People (18 Articles)
Process (66 Articles)

How SailPoint helps with GDPR compliance

SailPoint's Four Stage Approach

VISIBILITY

CONTROL

COMPLIANCE

REMEDIATION

STAGE 1: Visibility

You can’t protect what you can’t see

PERMISSION ANALYSIS

Identify who has access to what data (direct & indirect)

IDENTIFY WHO IS ACCESSING DATA

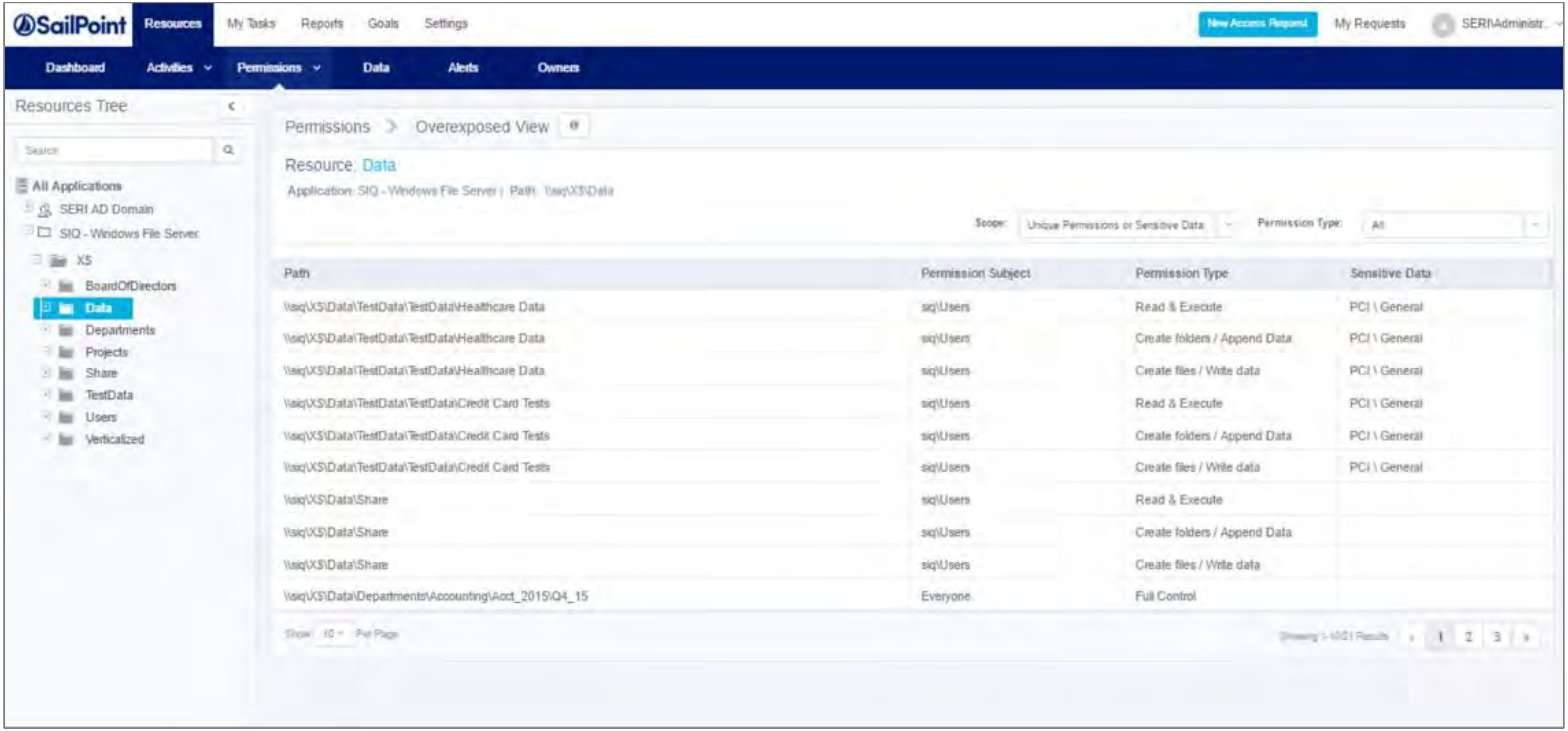
Monitor activity in real-time on-premises and in the cloud
Enrich with Identity Data to enhance queries

LOCATE SENSITIVE DATA

Classify data based on content or behavior

SailPoint

Over-Exposed Resources



Permissions > Overexposed View

Resource: Data

Application: SIQ - Windows File Server | Path: \\siq\XS\Data

Scope: Unique Permissions or Sensitive Data

Permission Type: All

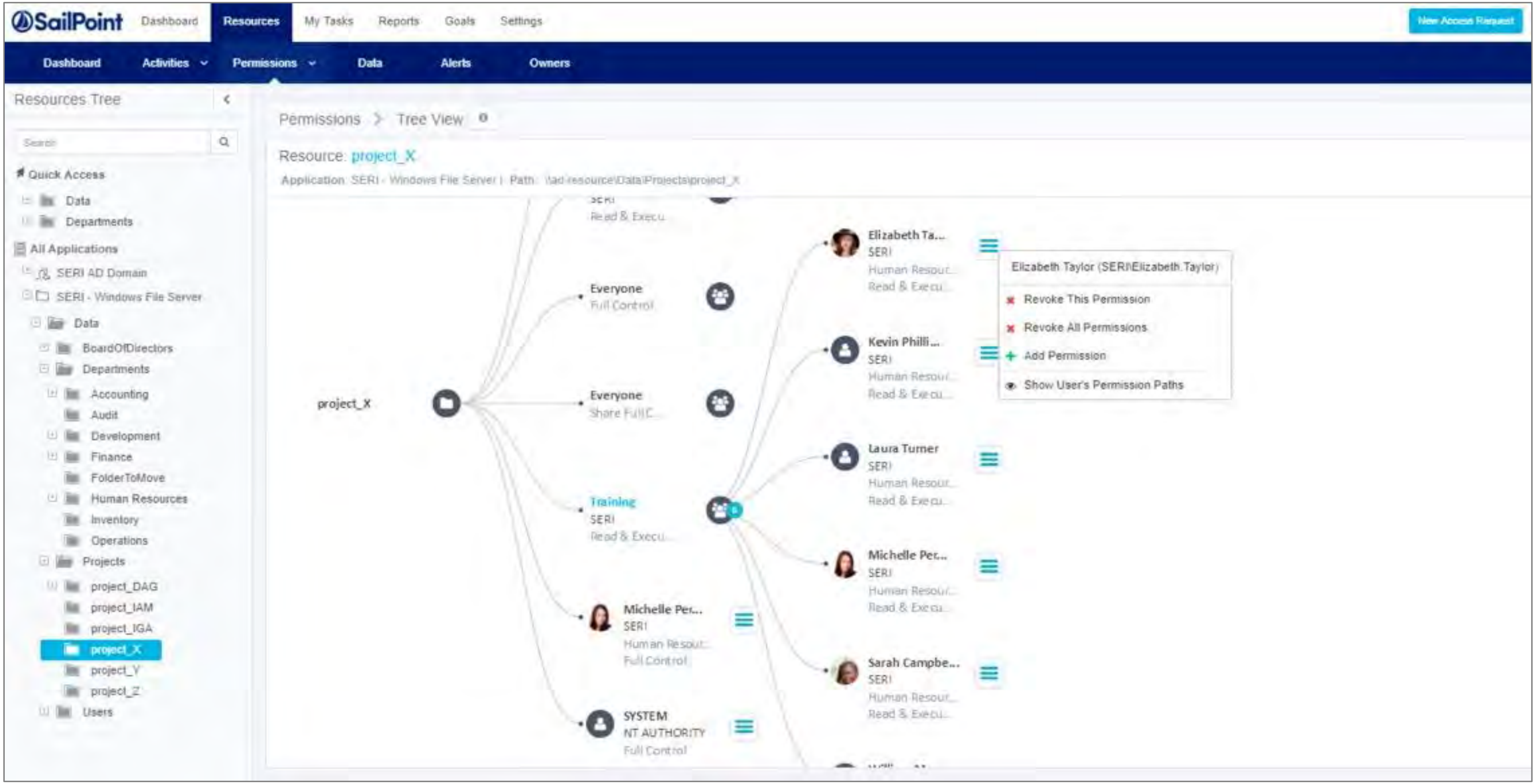
Path	Permission Subject	Permission Type	Sensitive Data
\\siq\XS\Data\TestData\TestData\Healthcare Data	siq\Users	Read & Execute	PCI \ General
\\siq\XS\Data\TestData\TestData\Healthcare Data	siq\Users	Create folders / Append Data	PCI \ General
\\siq\XS\Data\TestData\TestData\Healthcare Data	siq\Users	Create files / Write data	PCI \ General
\\siq\XS\Data\TestData\TestData\Credit Card Tests	siq\Users	Read & Execute	PCI \ General
\\siq\XS\Data\TestData\TestData\Credit Card Tests	siq\Users	Create folders / Append Data	PCI \ General
\\siq\XS\Data\TestData\TestData\Credit Card Tests	siq\Users	Create files / Write data	PCI \ General
\\siq\XS\Data\Share	siq\Users	Read & Execute	
\\siq\XS\Data\Share	siq\Users	Create folders / Append Data	
\\siq\XS\Data\Share	siq\Users	Create files / Write data	
\\siq\XS\Data\Departments\Accounting\Acct_2015\Q4_15	Everyone	Full Control	

Show 10 Per Page

Showing 1-10/21 Results

< 1 2 3 >

Granular Permission Visibility



Resource: project_X

Application: SERI - Windows File Server | Path: \ad-resource\Data\Projects\project_X

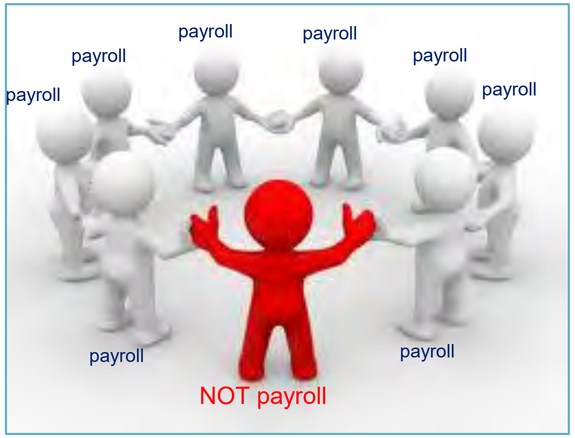
Locating Sensitive Data with Classification

Two types of Data Classification

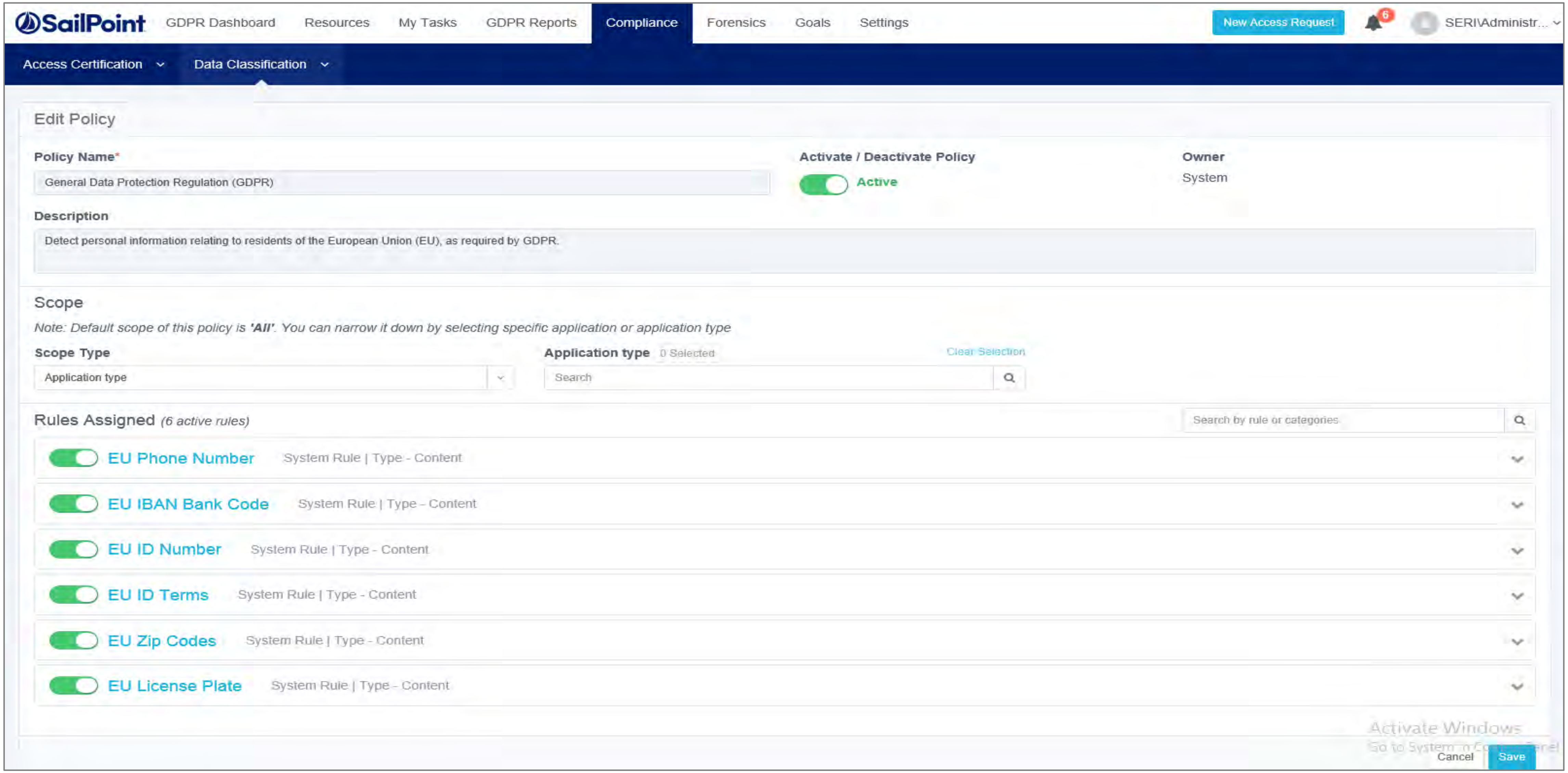
Classify Based on Content

Classify Based on Population

85% touches are from Payroll



Configuring Data Classification Policies



Edit Policy

Policy Name*: General Data Protection Regulation (GDPR)

Activate / Deactivate Policy: Active

Owner: System

Description: Detect personal information relating to residents of the European Union (EU), as required by GDPR.

Scope

Note: Default scope of this policy is 'All'. You can narrow it down by selecting specific application or application type

Scope Type: Application type

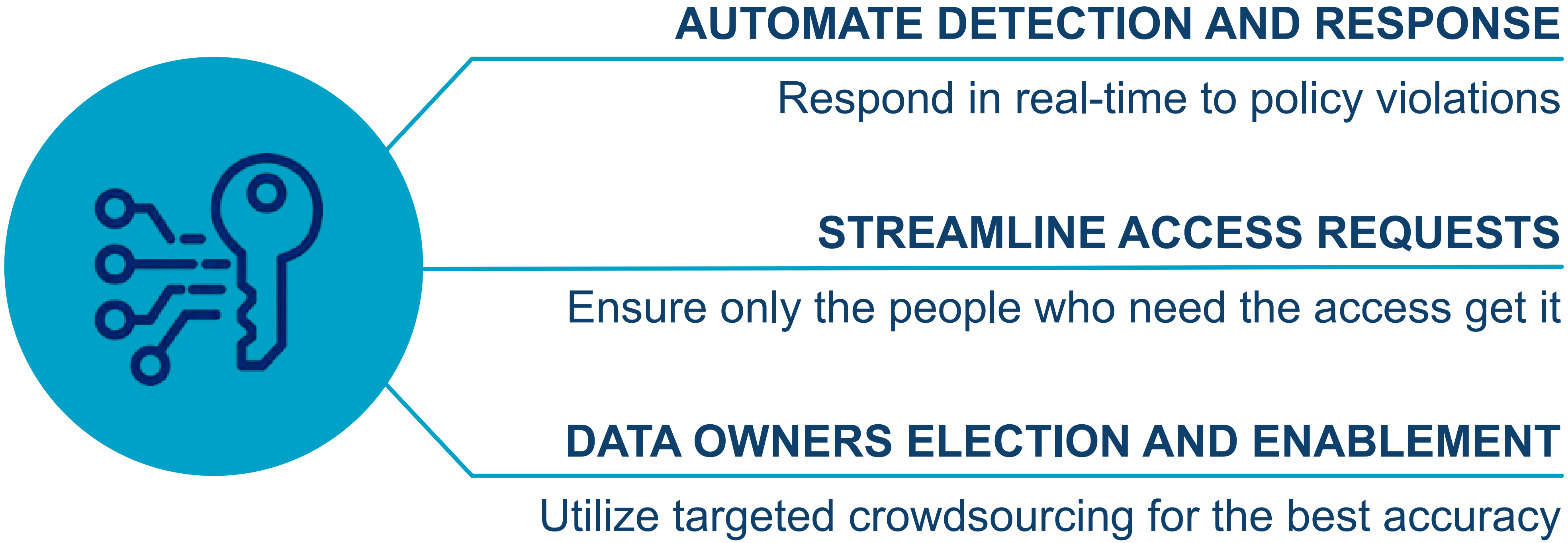
Application type 0 Selected

Rules Assigned *(6 active rules)*

- EU Phone Number — System Rule | Type - Content
- EU IBAN Bank Code — System Rule | Type - Content
- EU ID Number — System Rule | Type - Content
- EU ID Terms — System Rule | Type - Content
- EU Zip Codes — System Rule | Type - Content
- EU License Plate — System Rule | Type - Content

STAGE 2: Control

Establish business accountability over data



AUTOMATE DETECTION AND RESPONSE

Respond in real-time to policy violations

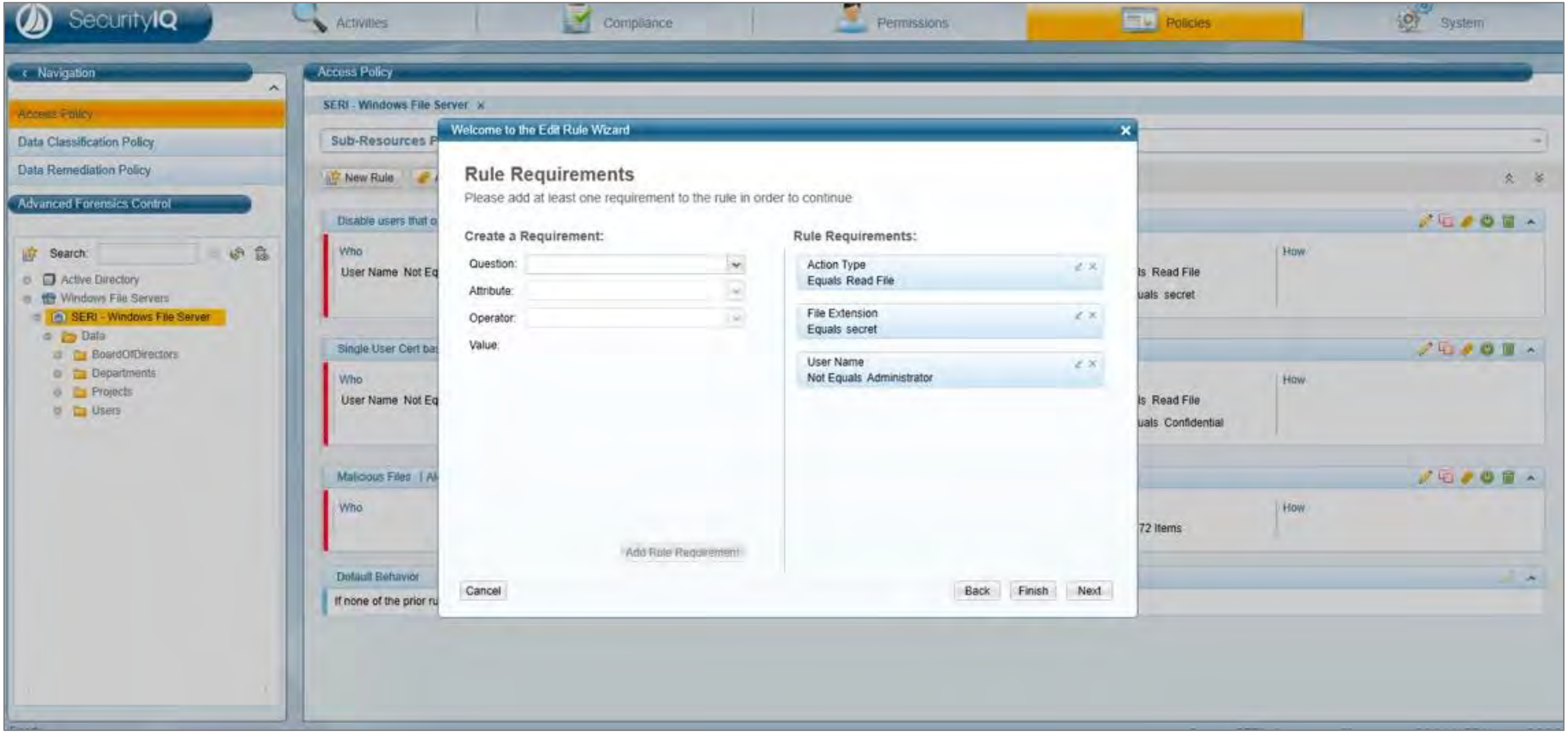
STREAMLINE ACCESS REQUESTS

Ensure only the people who need the access get it

DATA OWNERS ELECTION AND ENABLEMENT

Utilize targeted crowdsourcing for the best accuracy

Real-Time Access Policies



Welcome to the Edit Rule Wizard

Rule Requirements

Please add at least one requirement to the rule in order to continue

Create a Requirement:

Question:

Attribute:

Operator:

Value:

Add Rule Requirement

Rule Requirements:

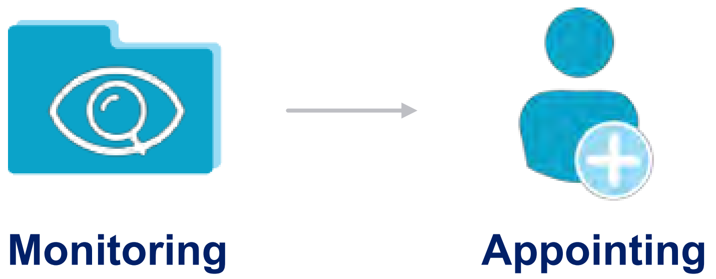
Action Type
Equals Read File

File Extension
Equals secret

User Name
Not Equals Administrator

Data Owners: Choosing The Right Person

The Traditional Approach

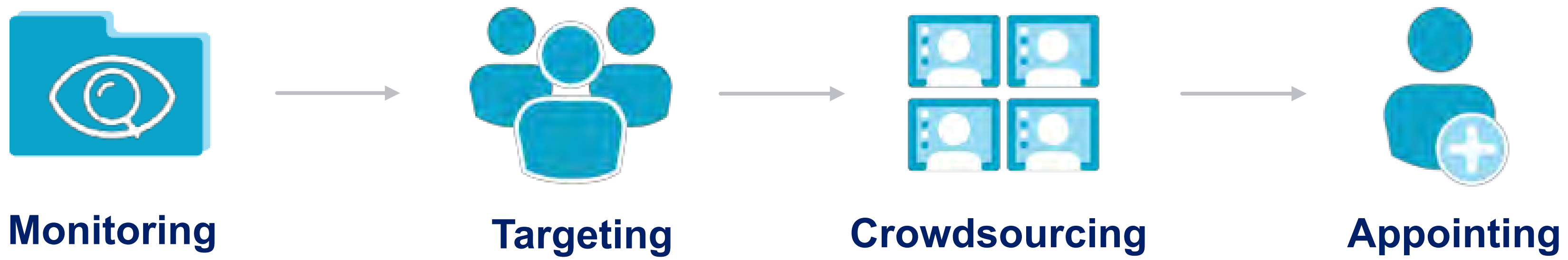


Monitoring

Appointing

- ✗ Probable Owner = Most Active User
- ✗ Ignores the True Experts
- ✗ Bottom Line: Produces False Results

The SecurityIQ Approach (Patent-Pending)



Monitoring

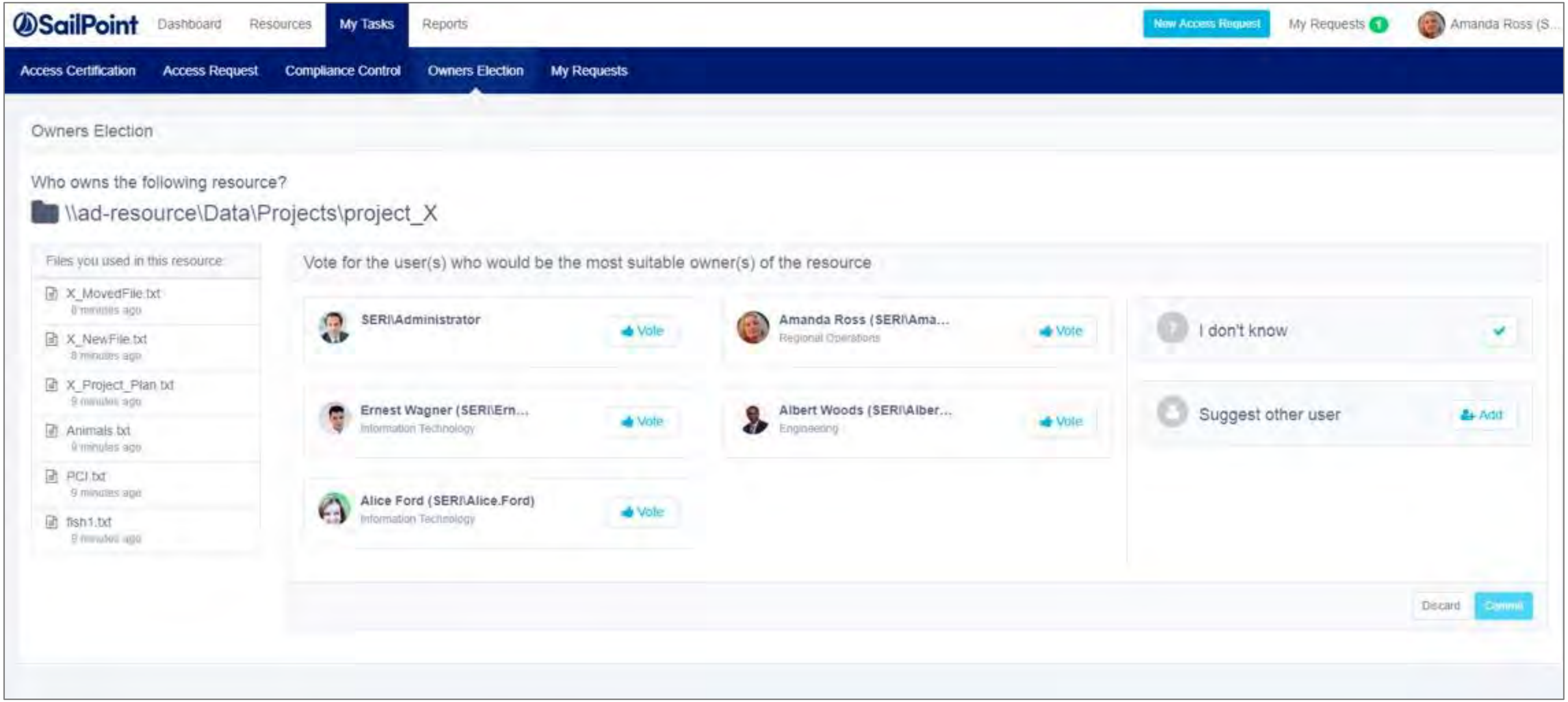
Targeting

Crowdsourcing

Appointing

✓ Fully automated targeted process for the most accurate results!

Owner Election



Owners Election

Who owns the following resource?

\\ad-resource\Data\Projects\project_X

Files you used in this resource:

- X_MovedFile.txt 8 minutes ago
- X_NewFile.txt 8 minutes ago
- X_Project_Plan.txt 9 minutes ago
- Animals.txt 9 minutes ago
- PCI.txt 9 minutes ago
- fish1.txt 9 minutes ago

Vote for the user(s) who would be the most suitable owner(s) of the resource

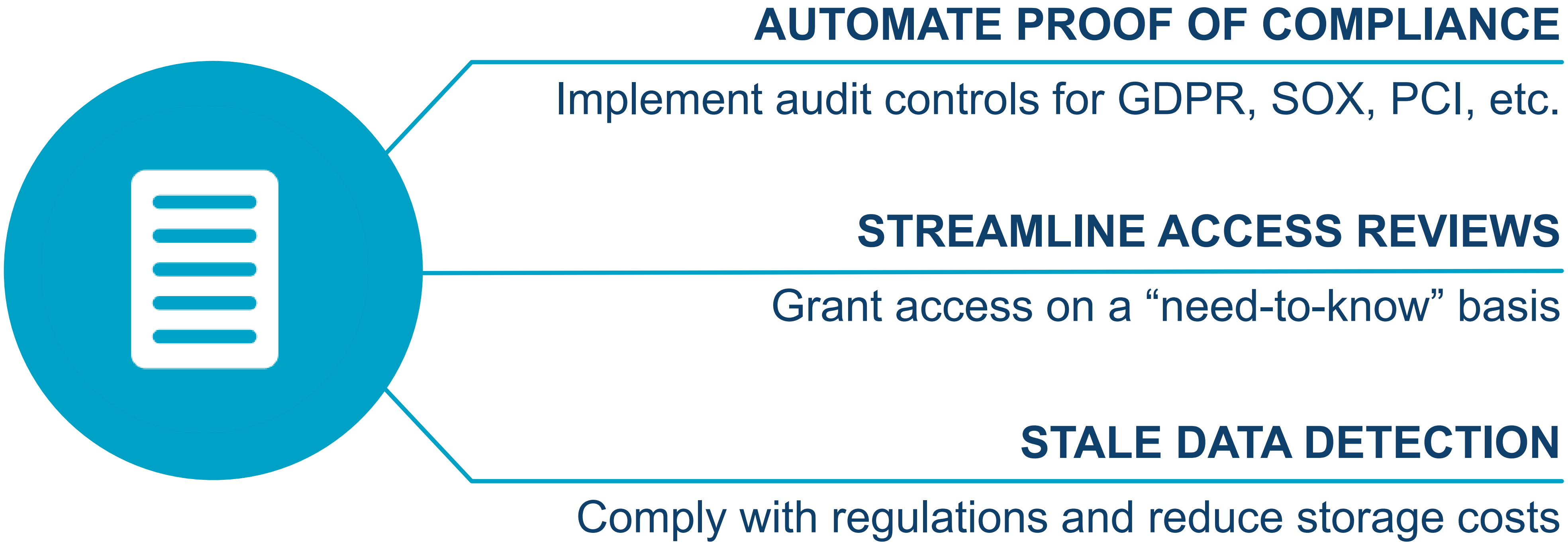
- SERI\Administrator
- Amanda Ross (SERI\Ama... Regional Operations
- Ernest Wagner (SERI\Ern... Information Technology
- Albert Woods (SERI\Alber... Engineering
- Alice Ford (SERI\Alice.Ford) Information Technology

I don't know ✓

Suggest other user

STAGE 3: Compliance

Automate data access compliance controls



AUTOMATE PROOF OF COMPLIANCE

Implement audit controls for GDPR, SOX, PCI, etc.

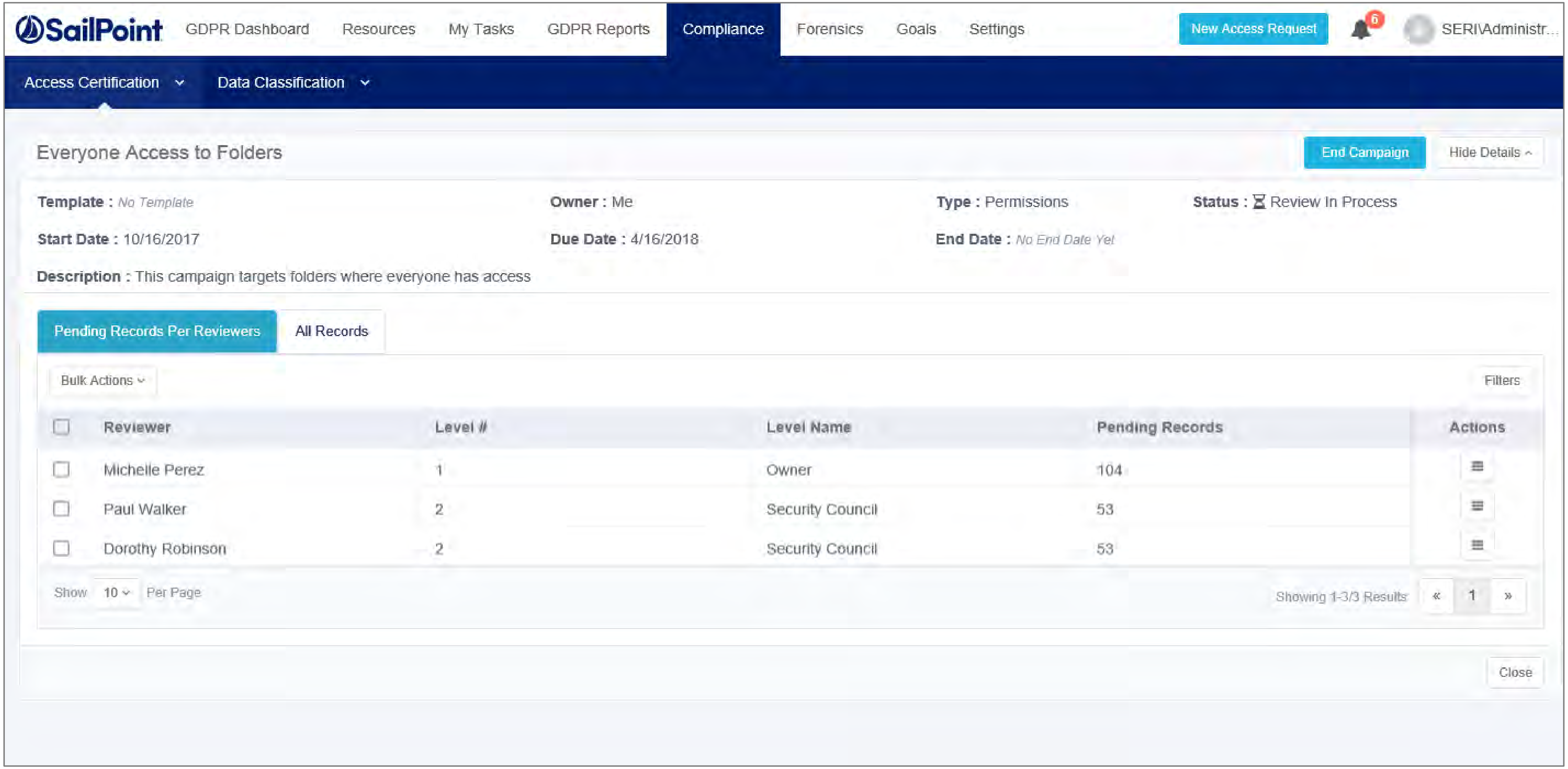
STREAMLINE ACCESS REVIEWS

Grant access on a “need-to-know” basis

STALE DATA DETECTION

Comply with regulations and reduce storage costs

Setting up a Review Campaign



Everyone Access to Folders

Template : *No Template*
Owner : Me
Type : Permissions
Status : ⌛ Review In Process

Start Date : 10/16/2017
Due Date : 4/16/2018
End Date : *No End Date Yet*

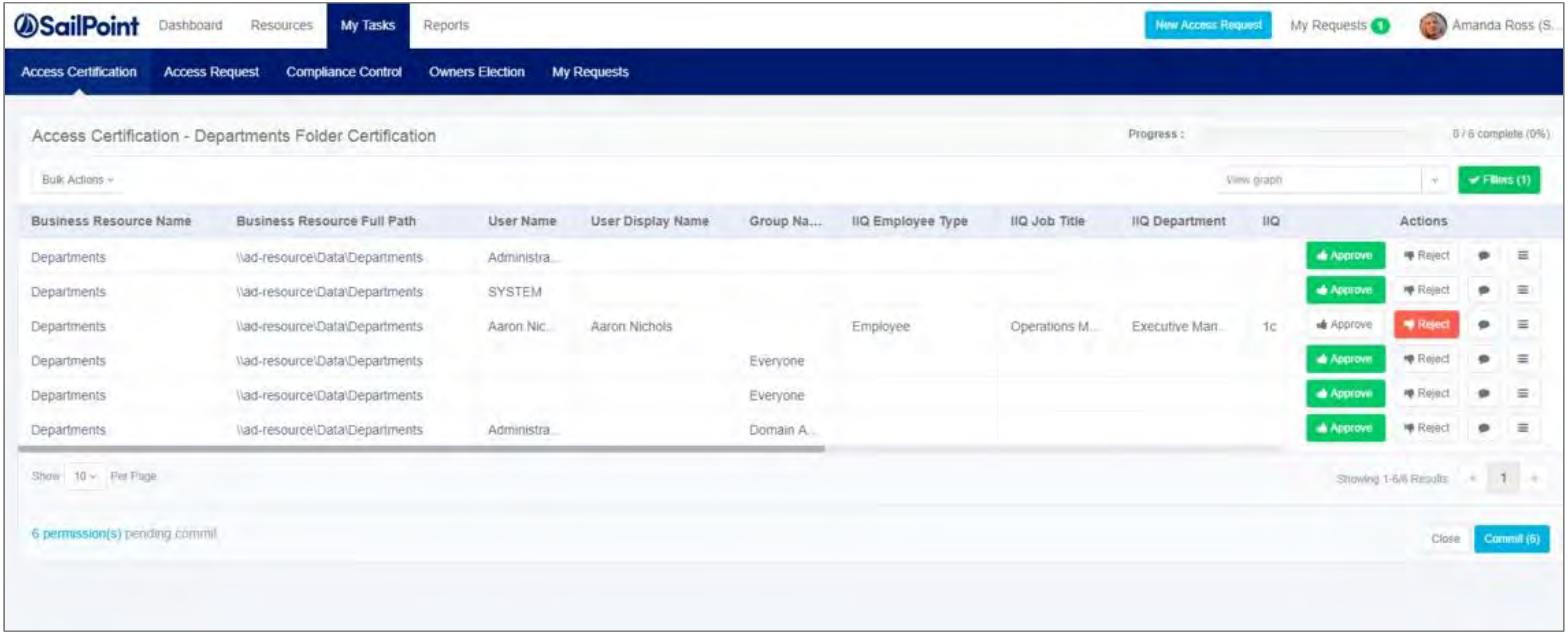
Description : This campaign targets folders where everyone has access

□	Reviewer	Level #	Level Name	Pending Records	Actions
□	Michelle Perez	1	Owner	104	≣
□	Paul Walker	2	Security Council	53	≣
□	Dorothy Robinson	2	Security Council	53	≣

Show 10 Per Page

Showing 1-3/3 Results « 1 »

Access Review



Access Certification - Departments Folder Certification

Progress : 0 / 6 complete (0%)

Business Resource Name	Business Resource Full Path	User Name	User Display Name	Group Na...	IIQ Employee Type	IIQ Job Title	IIQ Department	IIQ	Actions
Departments	\\ad-resource\Data\Departments	Administra...							Approve Reject
Departments	\\ad-resource\Data\Departments	SYSTEM							Approve Reject
Departments	\\ad-resource\Data\Departments	Aaron Nic...	Aaron Nichols		Employee	Operations M...	Executive Man...	1c	Approve Reject
Departments	\\ad-resource\Data\Departments			Everyone					Approve Reject
Departments	\\ad-resource\Data\Departments			Everyone					Approve Reject
Departments	\\ad-resource\Data\Departments	Administra...		Domain A...					Approve Reject

6 permission(s) pending commit

STAGE 4: Remediation

Eliminate risk with actionable intelligence

ACTIONABLE DASHBOARDS FOR IT & BUSINESS

Enable every stakeholder to act on risks

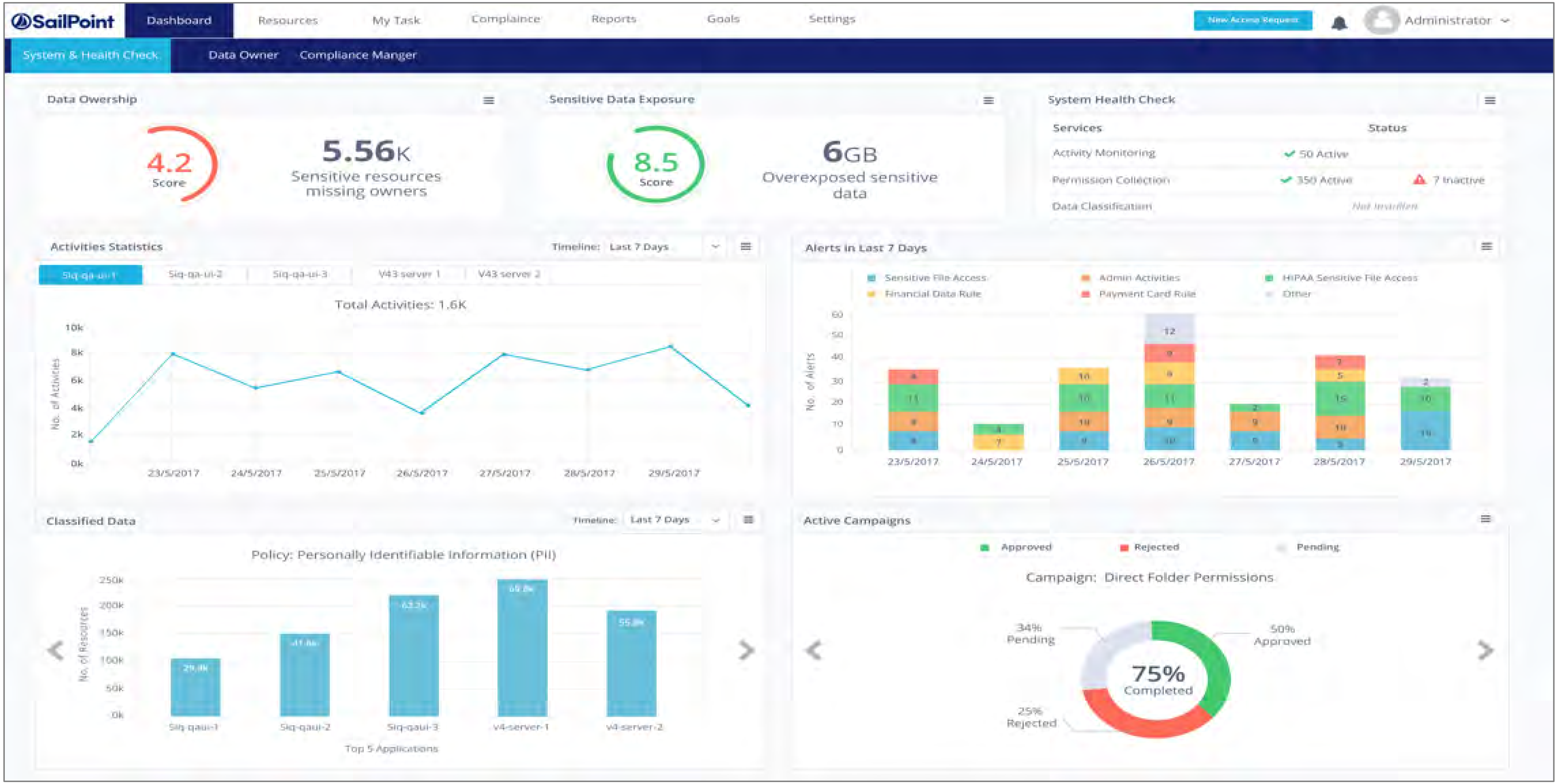
ACCESS NORMALIZATION & CLEANUP

Simplify access structure to enable automatic fulfillment

AUTOMATED ACCESS FULFILLMENT

Avoid human errors while reducing IT workload

Dashboard



Services	Status	
Activity Monitoring	✓ 50 Active	
Permission Collection	✓ 350 Active	⚠ 7 Inactive
Data Classification	Not installed	

SecurityIQ – Functional Summary

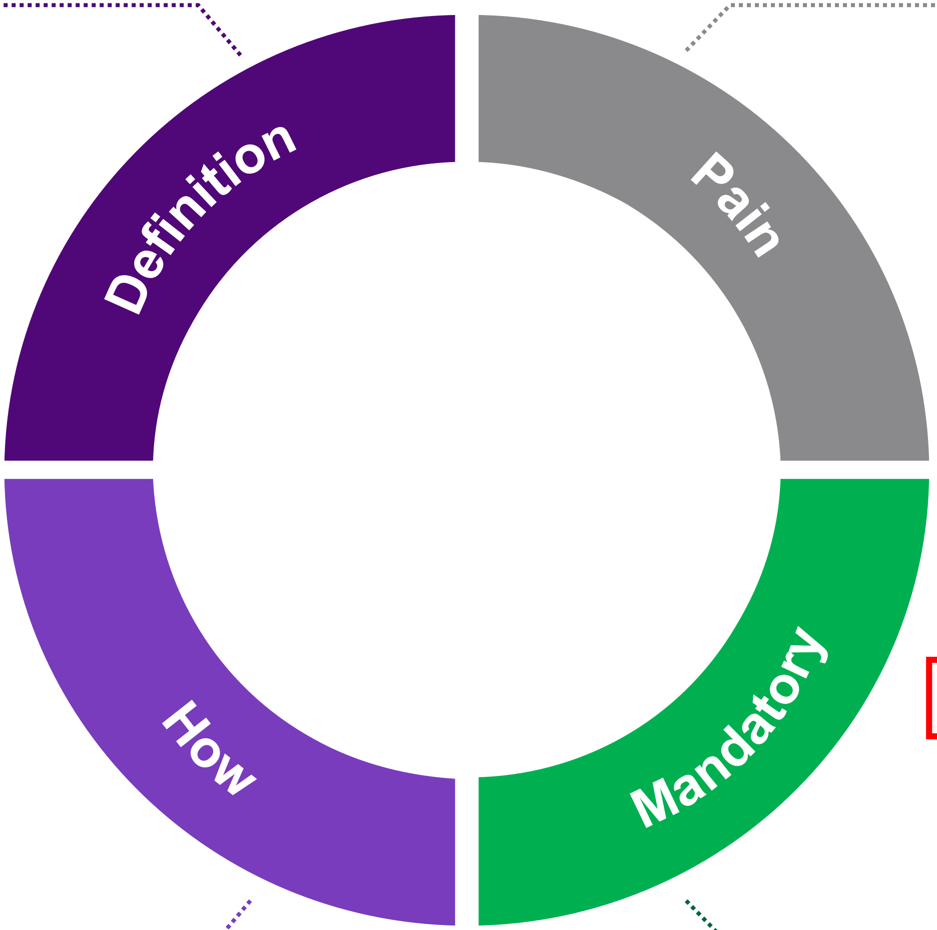
VISIBILITY	Discovery & Classification Where does the sensitivedata reside?	Real-time Activity Monitoring Who is accessing what data?	Permissions Analysis Who has accessto what data?
	Identity Enrichment – Adding business context to permissions and activities		
CONTROL	Data Owners Election Who owns thedata in a resource?	Real-time Access Policies Who violates access policies?	Access Requests Avoid access management chaos
COMPLIANCE	Compliance Insights Who violates compliance controls?	Access Reviews Which permissions are stale/ excess?	Access Simulations What if impact analysis toID risks
REMEDIATION	Access Normalization Align withbest practices	Access Fulfillment Save time and avoid human errors	Actionable Dashboards For IT, data owners & business users

* Relevant to GDPR

SecurityIQ – Supported Endpoints

SecurityIQ for Windows File Shares (CIFS)	Microsoft Windows HITACHI DATA SYSTEMS EMC² NetApp
SecurityIQ for Unix/Linux File Shares (NFS)	EMC² NetApp NFS DFS
SecurityIQ for Exchange	Exchange Exchange Online Office 365
SecurityIQ for SharePoint	SharePoint SharePoint Online
SecurityIQ for Cloud Storage	box Google Drive Dropbox OneDrive for Business

GDPR Coverage



What is it?

- Homogenous Data privacy law
- All organizations processing EU citizen data
- Live date May 2018
- Unstructured data in scope
- 28 PII conventions

Sanctions & litigation risk

- Fines: 4% of annual revenue or €20m
- Breaches notified to regulator within 72 hours
- Citizen compensation lawsuits
- Audit, Clean up, reputation

Data Access Governance

- Privacy Policies
- Data Discovery
- Need to know basis access
- Retention Policies
- Breach detection & Disclosure

Governance & Compliance

- Data Protection Officers
- Data owner accountability
- Least privilege principle
- Breach disclosure
- Fine grained audit trails

Why Customers Choose SecurityIQ

Business Focused

Enable and Empower Best User Interface

Innovative

Crowdsource owner election

Connectors & Coverage

Supports On-Premises and Cloud

Powered with Identity

Dynamic content enrichment

More info:

1. GDPR Compliance:

   https://www.sailpoint.com/business/gdpr-compliance

2. (Free ebook) Step-by-step Guide GDPR Compliance with Identity Governance:

   https://www.sailpoint.com/resources/gdpr-compliance-identity-governance-guide

3. (Free ebook) Meeting the Challenge of GDPR Compliance:

   https://www.sailpoint.com/resources/meeting-challenges-of-gdpr-compliance/?elqct=Blog&elqchannel=MeetingGDPRReq

4. (Podcast) Mistaken Identity Episode 9 (GDPR):

   https://www.sailpoint.com/blog/mistaken-identity-episode-9-gdpr

5. (Video) Sailpoint Youtube Channel:

   https://www.youtube.com/user/IdentityIdol/search?query=gdpr

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Thank You