

# IBM Guardium

## Discover and Classify

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### Data Subject Access Request



IBM

# Interdependence of the Indonesia PDP Law with IBM Security

Strengthen data privacy protection, build customer trust and grow your business

## Secure the User

Right of Access by the Data Subject, Right to Rectification, Right to be Forgotten, Right to Object, Supervise data processing parties, Prevent illegal access to personal data

[IBM Security Verify](#)

[IBM Security Trusteer](#)

## Secure the Data

Pseudonymization and Encryption of Personal Data, Ensure Confidentiality of Personal Data, Data Subject Access Request (DSAR)

[IBM Security Guardium](#)

[IBM Security Discover and Classify](#)

## Secure the Device

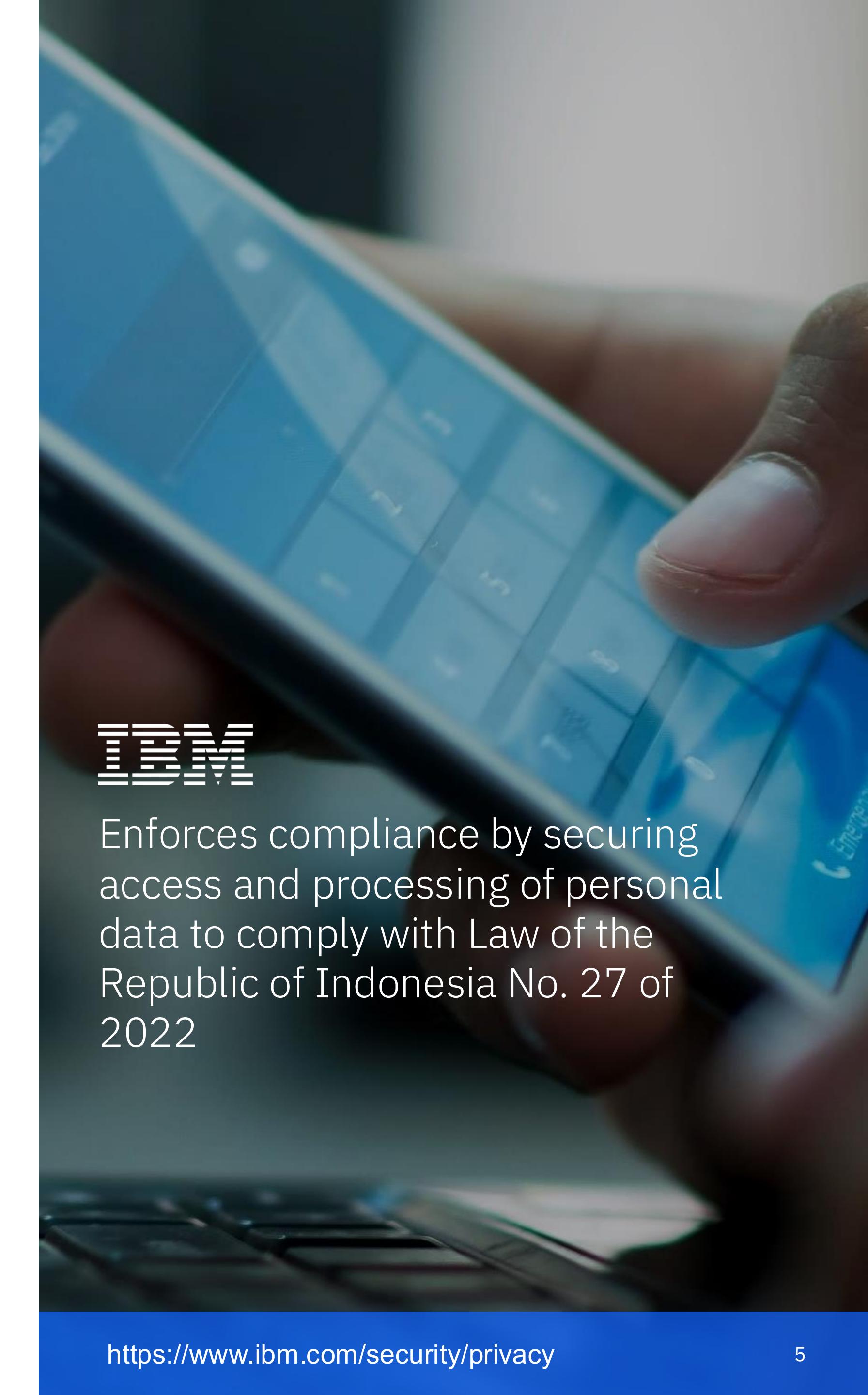
Technical measures to ensure a level of security appropriate to the risk of processing personal data

[IBM Security MaaS360](#)

## Secure the Threat

Monitor and control the processing of personal data

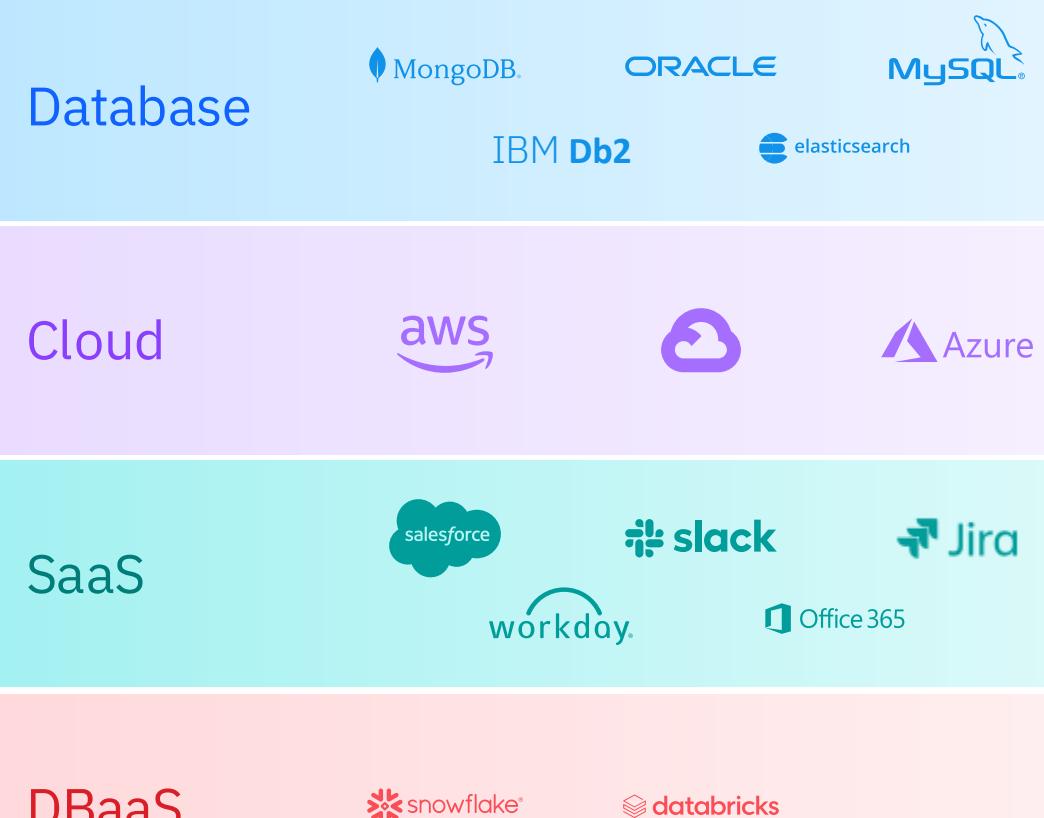
[IBM Security QRadar XDR](#)



Enforces compliance by securing access and processing of personal data to comply with Law of the Republic of Indonesia No. 27 of 2022

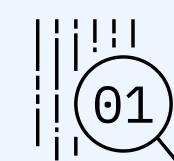
# You can't secure what you don't know exists

## Discover your sensitive data

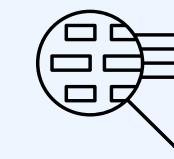


## Understand your data

### Build an asset inventory



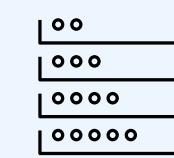
Discover structured & unstructured data



Classify how sensitive it is



Map to regulations and policies



Compile this to a central inventory

### Explain data for compliance

Who and what is accessing your data?

What have they done, and what *can* they do?

Who has privileged entitlements to sensitive data?

What controls are in place on this data store?

When did this change take place and who performed it?

I can tell you

# IBM Security Guardium

## Discover

Automate discovery and classification of on-premises and cloud data and uncover critical vulnerabilities



Guardium  
Discover and Classify

## Encrypt

Safeguard privacy and confidentiality of data at rest, in motion, and in use with encryption and key management



Guardium  
Data Encryption and Key Lifecycle Manager

## Monitor

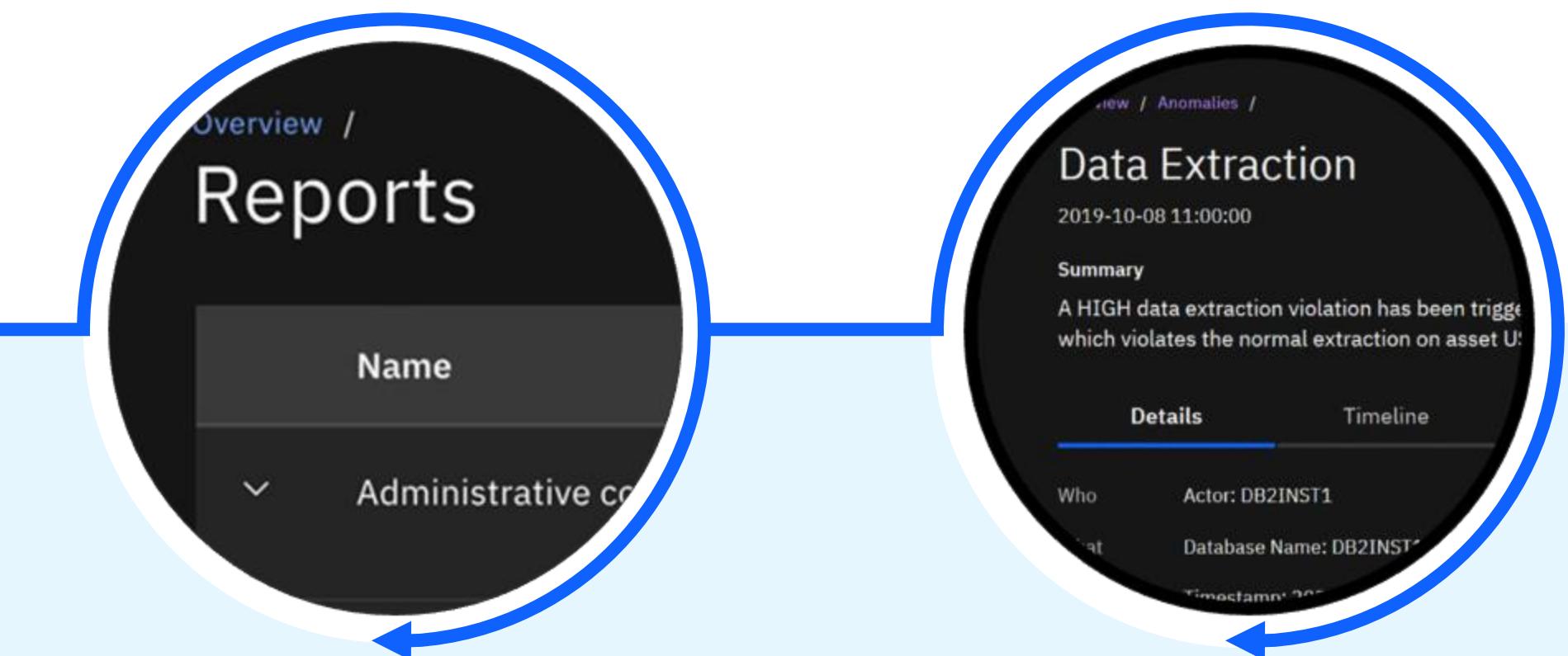
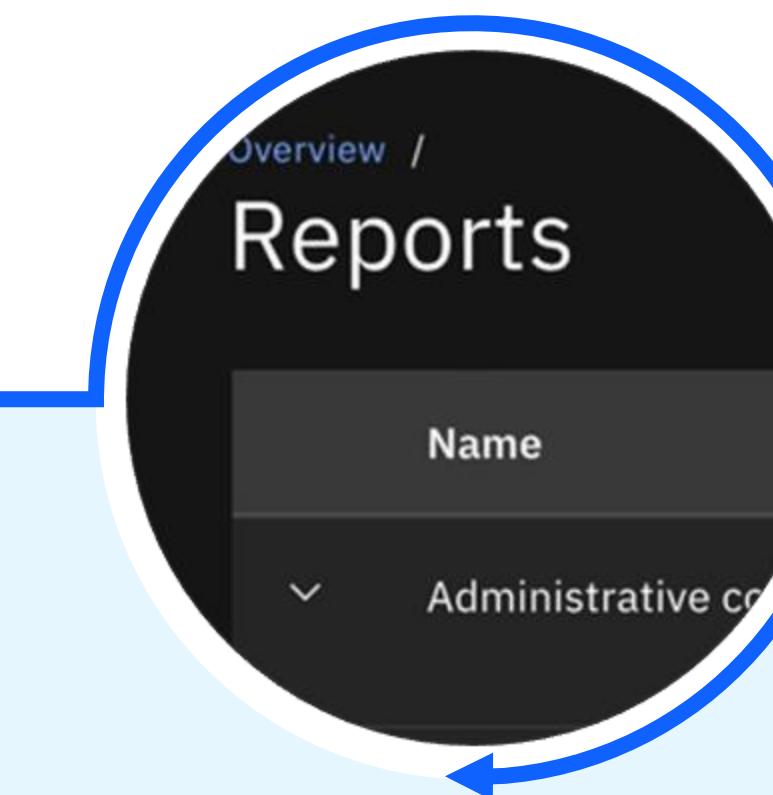
Protect and harden on-prem and cloud data sources, including Azure Event Hubs, AWS Kinesis, Snowflake, SAP, etc.



Guardium  
Data Protection and Insights and Vulnerability Assessment

## Analyze

Generate reports and automate notification on long-term data activity within seconds, across the audit lifecycle



## Respond

Identify and respond to compliance and data security risks, across environments and teams, from one place

# IBM Guardium Discover and Classify

Uncover your sensitive data intelligence to speed up security, compliance, and privacy use cases

## Identify unknown data at scale

A network-based approach to discover and map sensitive data, both at rest and in-motion

## Automate insights, playbooks

Understand data subjects, data lineage, stakeholders, processes... then assess risk, assist breach investigations, speed compliance, and remove unnecessary PII

## Classify sensitive data with AI

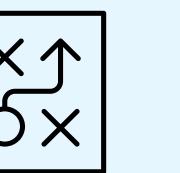
AI & ML classify both structured and unstructured data at the data element or repository level

## Integrate with Guardium

Ready-to-use integration with Guardium Data Protection for stronger data classification, database monitoring, and vulnerability assessment

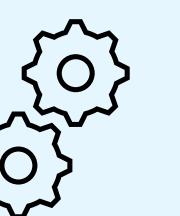
The screenshot shows the 'Inventory' section of the IBM Security Discover and Classify application. The left sidebar includes options for 'Data asset management', 'Repository management', 'Network mapping', and 'PII candidates'. Below this are dropdown menus for 'Inventa platform' and 'Settings'. The main area displays a table of data sources:

Type	Vendor	URL	Creation Date	Next permissible window
Oracle	jdbc:oracle:thin:@//172.23.0.246:1521/XE	10.26.2021 12:01:43PM	-	
DB2	jdbc:db2://172.23.0.245:50000/testdb	10.26.2021 12:04:40PM	-	
MS SQL	jdbc:sqlserver://172.23.0.243	10.27.2021 01:40:47AM	-	
MariaDB	jdbc:mariadb://172.23.0.141:3306/flat_1t_40_full	10.27.2021 01:47:20AM	-	
Redshift	jdbc:redshift://redshift-cluster-dev-frk.co4iddl9u31p.eu-central-1.redshift.amazonaws.com:5439/dev	10.27.2021 01:49:05AM	-	
Amazon S3	s3://	10.27.2021 01:49:45AM	-	



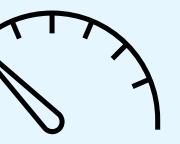
## Data Aware Security

Enables clear protection by classifying data sources to prioritize data protection needs



## Improve Efficiency

Significantly reduces false positives, which means analysts don't need to spend hours on them

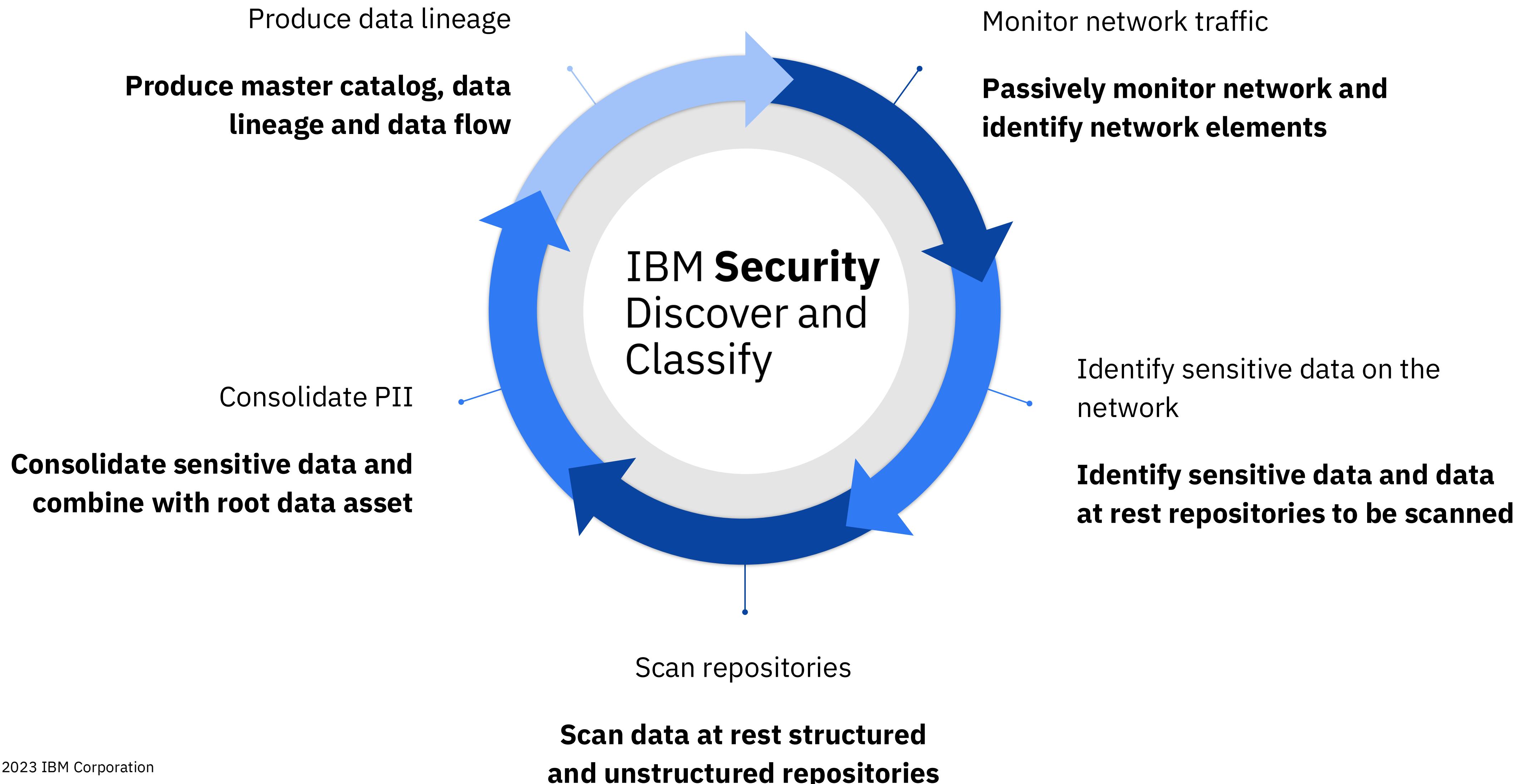


## Reduce Risk

Improve risk posture by combining data classification, activity monitoring and vulnerability management

# IBM Security Discover and Classify

## How does IBM Security Discover and Classify work?



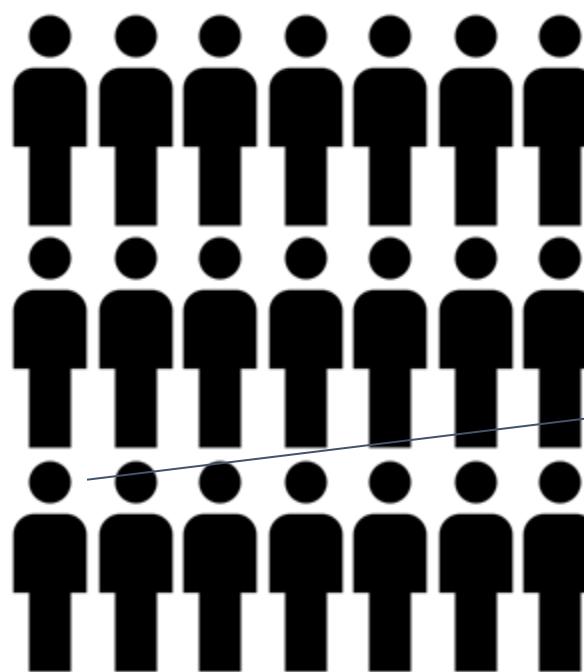
# IBM Security Discover and Classify

## IBM ISDC for Privacy Producing Master Catalog

Update data subject record and references to found PII

- Files, transactions, database records, log files, etc.
- Data subject relationship(s) with company

### VIP Customers



John  
Smith



← John Smith

### Personal Data Usage

John Smith Details Copies of All Data Usage

Biometrics and Genetics	
DNA Sequence	EMBL
Facial Photographs	Image/scan
Fingerprints	Image/scan
Genetic Markers	RAPD
Other Genetic Data	ADQLTEEQIAEFKEAFSLFDKGDTITKELGTVM RSLGQNPTAEALQDMINEVTAK*
Retina Scan	Image/scan
Contact Information	
City	New York
Country	United States of America
Device ID	112233:445566
Email Address	john.smith@email.net
IP Address	255.255.255.0
Phone Number	+1 985.698.1258
Postal Code	14075

**Transactions**

- Mar 12, 2018 12:53:32 storage.1touch.io 2 Documents 2 Sensitive Categories
- Mar 12, 2018 12:53:32 crmapp.1touch.io 1 Documents No Sensitive Categories
- Mar 12, 2018 12:53:32 mobile.1touch.io 1 Documents 1 Sensitive Categories

**File Browser**

- Mar 12, 2018 12:53:32 customers-europe.csv 23.43 MB 1 Sensitive Categories
- Mar 12, 2018 12:53:32 customers-asia.csv 12.72 GB 2 Sensitive Categories
- Mar 12, 2018 12:53:32 campaignJuly 2018 639.39 KB 1 Sensitive Categories

**Data Assets**

- Default 1 Sensitive Categories General Privacy Flow
- Customers 2 Sensitive Categories Customers of Europe, North America, Asia
- VIP Program 2 Sensitive Categories Elite customers
- Premium Program 1 Sensitive Categories Premium customers

# Customer

## Request Access for data personal

Request  
Access for  
data personal

The screenshot shows a web browser window with a dark header bar. In the top left corner of the header, there are icons for back, forward, and search. The top center displays the URL "Not Secure — 169.60.204.105". On the far right of the header, there are icons for refresh, download, and other browser functions. The main content area is titled "Login" in a large, bold, black font. Below the title are two input fields: one labeled "Email" and another labeled "Password", both represented by light gray rectangular boxes. At the bottom of the form is a solid blue rectangular button with the word "Login" in white text.

Email

Password

Login

# Data Protection Officer (DPO)

## Issue data personal

# Request Access for data personal

DPO:

- Check request
- Request issue to Data Owner for data personal

IBM watsonx | Governance console

Welcome, admin!

Last successful login 6/25/2024, 9:59 PM

Dashboard    **My Tasks (2)**    Subscription Tasks (0)    Oversight Tasks (2)

**My Tasks**

Filter By: Criticality ▾ Workflow Name ▾ Stage ▾ Type ▾ Stack By: Type ▾ View By: Week ▾

2

Issue

wk of 6/10    wk of 6/17    wk of 6/24

Now

Overdue

Name	Type	Workflow Name	Stage (Status)	Criticality	Stage Due Date
Access Request for Personal Data	Issue	Issue Review Workflow	In progress	Medium	6/13/2024
Formal Request for Personal Data Disclosure	Issue	Issue Review Workflow	In progress	Medium	6/13/2024

Start Chat

# Data Owner

Discover an access of data personal

Data owner will check and generate the report

**Data Owner:**

- Check request
- Get the personal data access

IBM Security  
Discover and Classify

Welcome to Sensitive Data Intelligence

Search

Business context

Review your personal data distribution by business purpose. Review your sensitive data by business context group including filters for regulations, data subject, usage and more. Manage sensitivity classes and data categories.

- Data assets
- Sensitivity
- Reasons for processing
- Business Unit
- Role
- Data Categories
- Regulation

Data security

Ensure the security of your sensitive data through an understanding of where it is, what types of data are in the environment and what data is already protected

- Data Protection Dashboard
- Discovery & Classification Search
- Attack Surface Reduction
- Network Map

Data privacy

Quickly research and generate reports for privacy regulation audits, quickly address data subject access requests.

- Data Subject Search
- Advanced Search

Supervised AI

Use a simple, wizard-based machine learning tool to build, modify, and train AI models to identify personal and sensitive information about your employees and customers based on automatically discovered results. No data science expertise required

- Data Training
- RDAs & Virtual Views
- Candidates
- Accuracy Validation

Policy

Create and manage policies that

Ecosystem

Explore the integration options of this

Inventory

Create and manage data source

Support

Get answers to your questions

Activate Windows  
Go to Settings to activate Windows.

Data owner will check and generate the report

IBM watsonx | Governance console

Request for ... Request for ...

Action Item

## Request for Access to Personal Data Recor...

Status: Open Due Date: 6/29/2024

Task Activity Admin

\*Modified Required\*

**General** ⓘ

Name \* Request for Access to Personal Data Record\_ISSUE\_ACTION\_ITEM\_000007

Description \* ACTION

Status: Open Percent Complete \* 0%

Comment

Issue \*

**Request for Access to Personal Data Record**

Description: I am writing to formally request access to the personal data your bank holds regarding my account(s) and transactions, as permitted by the relevant data protection and privacy regulations. I am seeking a comprehensive report that includes all personal information, transaction histories, and any other data associated with my interactions with the bank.

Tags: No tags have been added yet.

Select an action to validate

All Key Items (5)

- Name \*
- Description \*
- Percent Complete \*
- Due Date \*
- Action Assignee \*

Start Chat

# Data Protection Officer (DPO)

Approve and closed the issue

# Request Access for data personal

DPO:

- Check approval
- Completed the issue request

IBM watsonx | Governance console

Request for ... Request for ...

Action Item

## Request for Access to Personal Data Recor...

Status: Awaiting Approval Due Date: 6/29/2024 Actions

Task Activity Admin

\*Modified Required\*

**General** ⓘ

Name \* Request for Access to Personal Data Record\_ISSUE\_ACTION\_ITEM\_000007

Description \* ACTION

Status: Awaiting Approval Percent Complete \* 100%

Comment

Issue \*

**Request for Access to Personal Data Record**

Description I am writing to formally request access to the personal data your bank holds regarding my account(s) and transactions, as permitted by the relevant data protection and privacy regulations. I am seeking a comprehensive report that includes all personal information, transaction histories, and any other data associated with my interactions with the bank.

Stage: In Review Due Date: 6/29/2024

Tags: No tags have been added yet.

Select an action to validate

All Key Items (5)

- ✓ Name \*
- ✓ Description \*
- ✓ Percent Complete \*
- ✓ Due Date \*
- ✓ Action Assignee \*

Start Chat

