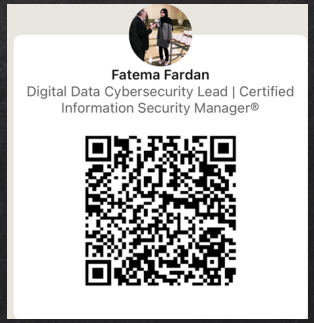


hello!

I am Fatema Fardan

I am here because ….I am here!

BSides Manama Community 001

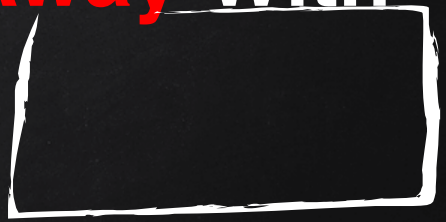
2nd May 2026

How to steal data and Get Away With It?

DLP 101

Protect !

How to ~~steal~~ data and ~~Get Away~~ With It?



Stick !

Brain teaser

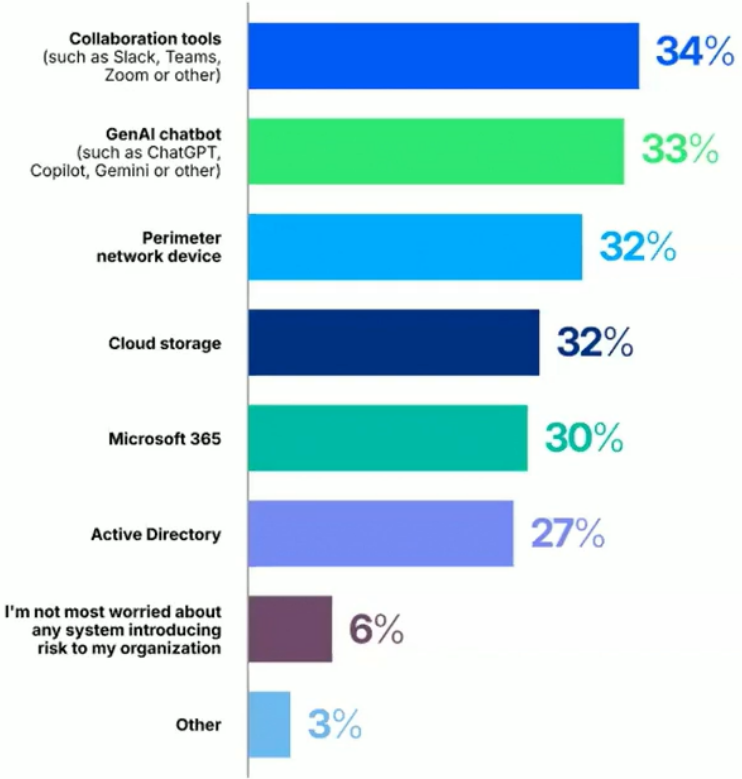
menti.com
5733 8522

Let's see what you know?!

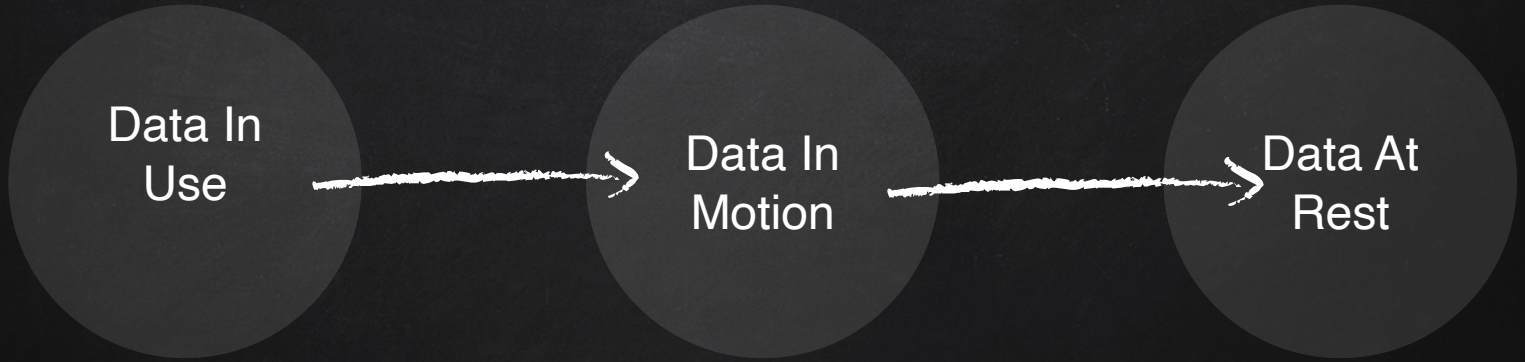
menti.com
5733 8522

Survey result: Introducing risk to your organisation

Proofpoint 2025 Voice of the CISO report

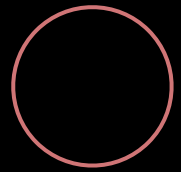


Data Loss Prevention (DLP): Program that combines technologies, strategies, and processes to prevent unauthorized use of an organization's sensitive data



common tools

At-a-glance



CLASSIFICATION

CASB **ENDPOINT** **EMAIL** **NETWORK** **DISCOVERY**

common tools

At-a-glance

CLASSIFICATION

CASB | ENDPOINT | EMAIL | NETWORK | DISCOVERY

CLOUD ACCESS SECURITY BROKER (CASB)

CASB provides a single, critical control point across multiple cloud providers. Its purpose is to ensure the secure and compliant use of cloud services. CASB enforces the many layers of an enterprise's security policies at the point where users, devices, and other cloud entities attempt to access cloud resources.

NOTE: Some CASB solutions also include data discovery and classification functions.

common tools

At-a-glance

CLASSIFICATION

CASB | ENDPOINT | EMAIL | NETWORK | DISCOVERY

ENDPOINT

Endpoint data loss prevention monitors file activity on protected endpoints and implements protective actions for those files.

common tools

At-a-glance

CLASSIFICATION

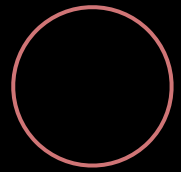
CASB | ENDPOINT | EMAIL | NETWORK | DISCOVERY

EMAIL DLP

Email DLP identifies sensitive data and detects data exfiltration over email.

common tools

At-a-glance



CLASSIFICATION

CASB | ENDPOINT | EMAIL | NETWORK | DISCOVERY

NETWORK

Network DLP tools track an organization's network activity and traffic across traditional and cloud networks.

The tools analyze tracked activity to detect when business critical data is being sent in

violation of the organization's information security policies.

common tools

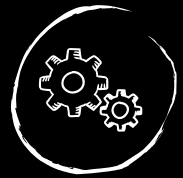
At-a-glance

CLASSIFICATION

CASB | ENDPOINT | EMAIL | NETWORK | DISCOVERY

DATA DISCOVERY

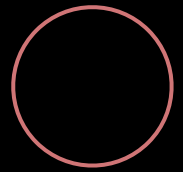
Data discovery is a process to collect and evaluate an organization's data in on-premises and cloud repositories.



common tools

At-a-glance

CASB | **ENDPOINT** | **EMAIL** | **NETWORK**



CLASSIFICATION

DATA CLASSIFICATION

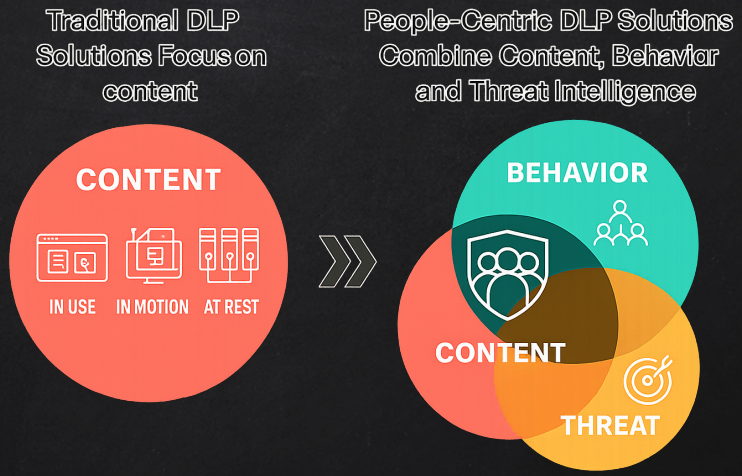
Data classification is the process of organizing data into categories to facilitate proper storage, retrieval, and protection.

Data classification tools can assist in file scanning and labeling of files based on file content and pre-defined data dictionaries.

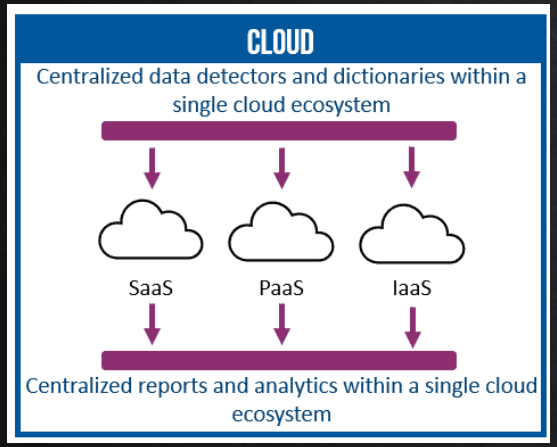
1.

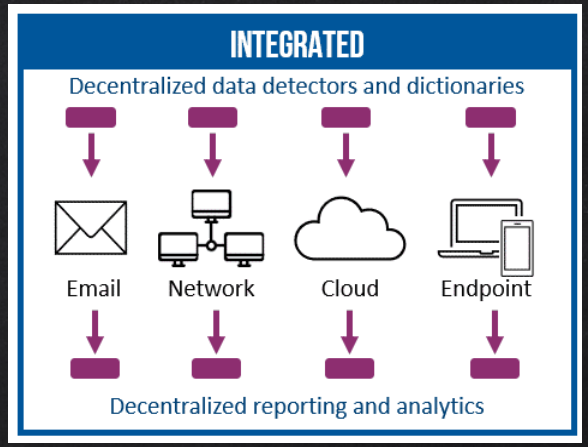
These tools are useful, but do not provide enough protection when applied in today's complex IT ecosystems and threat landscapes. We'll find out why next.

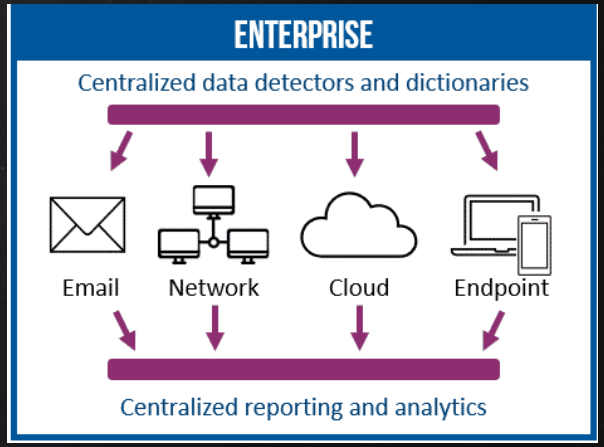
A good DLP solution provides visibility **and** context around user actions when accessing sensitive data. It provides insight into who, what, when, where, and how. It also informs based on current information regarding the threats targeting your users.



Gartner identifies three basic approaches to applying DLP controls across multiple channels.







U.S. Social Security Administration (DOGE Employee Case – 2026)

Next?

Sensitive data is under attack

Employees — **Misuse AI**

- Shadow AI tools in use?
- Sensitive data leaked to AI?
- Visibility and auditability of AI prompts and responses

Sensitive Data

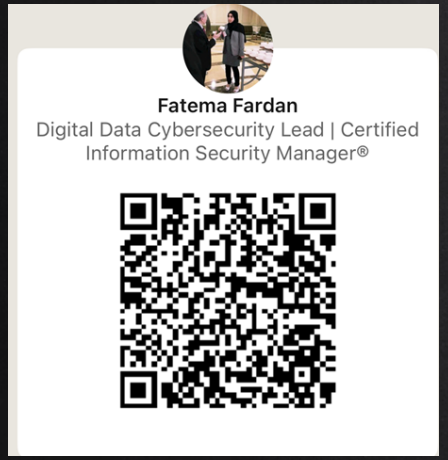
Source code, customer PII financials, intellectual properties, etc.

INSIDERS — **Weaponize AI**

- Use AI to gather internal insights?
- Use AI to help launch attacks?
- Abnormal spikes in AI usage?

Uncontrolled Access — **AI Apps**

- Sensitive data exposed to AI
- Sensitive data exposed via AI
- Sensitive data used for AI training



thanks!

Any questions? Feedback ?

من فضلك لا تسال

s'il vous plaît ne demandez pas

por favor, no pregunte