

Security and Governance for AI with Microsoft solutions

MICROSOFT COMPLIANCE ADVISORY MEMBER

MICROSOFT ECIF AND FASTTRACK APPROVED

MICROSOFT INTELLIGENT SECURITY ASSOCIATION (MISA) MEMBER

Atle Skjekkeland, CEO at Infotechtion & Microsoft MVP for Purview







Game Changer: Generative AI (GenAI)

"This is the biggest technology / business change of my lifetime, and if you're in your 40s, it will be one of the two or three biggest of your lifetimes. This change will cause extinction for many, but opportunity and growth for many more. Position yourself not to be a victim. Position yourself to win."

- George Colony, CEO of Forrester

Generative AI will play a role in 70% of text- and dataheavy tasks by 2025, up from less than 10% in 2023 -Gartner

By 2027, 25% of high maturity digital workplaces will have leaders with a background in AI, data and analytics, versus infrastructure and operations – Gartner

By 2028, multiagent AI in threat detection and incident response will rise from 5% to 70% of AI implementations to primarily augment, not replace staff - Gartner

Image : "Jurassic Park" movie, 1993







Top Challenges With Generative Al

Data leak and oversharing

- 80% of leaders cite sensitive data leakage as their top concern when adopting AI
- 78% of AI users bring unmanaged AI apps (e.g., ChatGPT, Claude) into work environments

Vulnerabilities and emerging threats

- 66% of organizations are building/testing AI apps, leading to new security gaps
- 77% are concerned about threats like indirect prompt injection attacks

Non-Compliance

- New regulations like
 EU AI Act and NIST
 AI RMF are emerging
- 55% of leaders lack a clear understanding of Al regulatory requirements



2. 2024 Work Trend Index Annual Report, Microsoft and LinkedIn, May 2024, N=31,000.

#4

. Gartner®, Gartner Peer Community Poll – If your org's using any virtual assistants with AI capabilities, are you concerned about indirect prompt injection attacks?



Implement Zero Trust strategy for AI

1. Verify Explicitly

- · Verify all identities accessing AI apps.
- Assess all AI apps in use, deployment, and development.
- · Detect both intended and unwanted activities.

2. Use Least Privilege Access

- Ensure AI accesses only the necessary data.
- Apply Just-In-Time (JIT) and Just-Enough-Access (JEA) practices.
- Implement adaptive, risk-based access controls.

3. Assume Breach

- Treat every user prompt as potentially malicious (e.g., prompt injection).
- Expect AI outputs to risk data leakage.
- Assume vulnerabilities exist in AI models and orchestrators.





≡ tech**radar** pro

📑 • 🔾

Samsung workers made a major error by using ChatGPT

News By Lewis Maddison published April 4, 2023

Samsung meeting notes and new source code are now in the wild after being leaked in ChatGPT

6 🛛 🧐 🖉 🖸

When you purchase through links on our site, we may earn an affiliate commission. <u>Here's how it</u> works.





Task 1

Avoid data leak and oversharing

Data leak and oversharing case study

Northwind Manufacturing quickly deployed Microsoft 365 Copilot without setting up data access controls or content protection.

- Joe, an R&D engineer, was working on a confidential innovation project: Project Helix.
- Janet, a marketing colleague, overheard the project name and used Copilot to look it up.
- Due to missing restrictions, Copilot surfaced internal test results and draft IP documents to Janet.
- Janet, unaware of the confidentiality, copied the content into ChatGPT to help summarize technical details.
- This resulted in an external data leak of proprietary information.
- A competitor released a similar product ahead of Northwind, causing a €12M loss in projected revenue.
- Following the incident, Northwind banned external AI tools and placed tighter internal controls on AI usage.



Prepare your Microsoft 365 environment

DATA SECURITY POSTURE MANAGEMENT:

Get continuous visibility and control over how sensitive data is handled

SECURITY COPILOT:

Accelerate the detection, investigation, and response to data risks through Alpowered insights





Data Security Posture Management

- Turn on analytics in Data Security Posture Management (DSM) and DSPM for AI to start identifying risks
 - Analytics for unprotected sensitive assets across data sources
 - Analytics for users performing top risk-related activities on unprotected sensitive assets
 - Analytics for sensitive interactions per Al app.
 - Analytics for total interactions over time (Microsoft 365 Copilot and Al agents)
 - Analytics for top sensitivity labels referenced in Microsoft 365 Copilot and AI agents





Apply Sensitivity labels (example)

- 1. Establish only a few top-level classification levels
- 2. Only have sub-levels when this is justified
- 3. Consider linking access to security classification levels
- 4. Ensure the naming makes sense for users
- 5. Identify key words and phrases for each classification level
- 6. Ensure users only see relevant security classification levels
- 7. Decide if users should classify all information, or only exceptions
- 8. Establish increased protection levels per classification level
- 9. Find the correct balance between openness and control
- 10. Define use cases for external sharing of sensitive information





Auto-Apply Sensitivity labels



Auto-labelling based on storage location and content using default labels, Sensitive Information Types (SITs), and Trainable Classifiers (machine learning)

- Some out-of-the-box SITs have high accuracy, but need to be scoped
- Custom SITs improve accuracy, but require testing and tuning
- Some out-of-the-box Trainable Classifiers for English content have high accuracy, e.g., Human Resources, Invoice, Intellectual Property, Unauthorized Disclosure
- Custom Trainable Classifiers adds value, but require seed and training content



Apply container labels (example)

Label name	Privacy	Guest users	Managed devices/ unmanaged	Content can be shared with	Private team discoverability	Teams shared channels	Default label that stored files automatically inherit (E5)
Internal with externals	None	Yes	N/A	Everyone in org + new and existing externals	Yes	N/A	Internal
Internal without externals	None	No	N/A	Everyone in org	Yes	Internal	Internal
Confidential with externals	Private	Yes	Unmanaged limited access	Everyone in org + new and existing externals	No	Internal	Confidential
Confidential without externals	Private	No	Managed only	Everyone in org	No	Internal	Confidential

w	AutoSave Off	89.	⊖ ≂ Document1 - Word ⊘ No	b Label		5	O Search										Alex Wilb	er 🗛 —		<
File	Home Insert	Draw	Design Layout References Ma	ailings	Review View Help											P	Comments	C Editing ~	🖻 Share	•
Past	n X Cut □ □ Copy te I Copy	Calibr B	$ \begin{array}{c c} (Body) & \checkmark & 11 \\ \hline & & \\ I & \underline{\cup} & \checkmark & ab \\ x_2 & x^2 & \underline{A} & \checkmark & \underline{A} & \blacksquare & \underline{A} & $	- A		¶ [] • [Normal	No Spacing	Heading 1	Heading 2	Title	Subtitle	× >	✓ Find ~ ↓ Find ~ ↓ Replace ↓ Select ~	Dictate	Sensitivity	Add-ins	Editor Copilot		
	Clipboard	L2	Font	L	Paragraph	ы			Style	s			۲	Editing	Voice	Sensitivity	Add-ins			*

Describe what you'd like to write, inc	luding notes or an outline, and Copilot can generate a
draft to help you get started	Ι
	1

Sensitive data created by Copilot is protected by Purview Information Protection.



Create DLP (data loss prevention) policies

- Use DLP to protect the information, e.g. policy tips, blocking.
- Examples:
 - Policy tip when sensitive data is discovered in content
 - Soft-block the external sharing of top-secret information with, but allow users to override with justification
 - Stop M365 Copilot from using some sensitive data
 - Stop users from copying sensitive information to Shadow IT, e.g., ChatGPT



Data loss prevention with policy tips

DLP Exchange policy with user overrides:

\triangleright	То	SomeOne@outlook.com;
Send	Cc	
	Subject	Please process my request

My files

۵	Name ~	Modified ~	Modified By ~	File size ~	Sharing	TT ATeam Posts	Files +	
-	Desktop	July 13	Lil	5 items	Private		11103	
	Documents	Research		item	Private			0
28	MyShare	= 1 View		items	Policy tip for '	Research.docx'	LiL	This message was blocked due to organization policy. What's this?
	Pictures	1 B	See details	items				← Reply
0	Document.docx	لح This item was created Sur	n at 10:33 AM by You.	0.6 KB	This item is protect organization. It can	ted by a policy in your o't be shared with people		
0	Document1.docx	 Contains sensitive info aren't available. 	ormation. Some commands	2.3 KB	outside your organ	nization.		
•	EmployementLetter.docx	View policy tip		9.1 KB	⊖ Issues			
0	^{2'} Research.docx ©	1 Viewer · 1 View		3.2 KB				
					Item contains information: (the following sensitive DRG-Research IDs		
6	EmployementLetter.docx	View policy tip		9.1 KB 3.2 KB	Issues Item contains information: 0	the following sensitive DRG-Research IDs		

#15 Prevent data loss based by establishing rules to only allow data transfer / sharing through an allowed list of sequences and transfer channels.

DLP Teams policy with block – for sender:

DLP Teams policy with block – for receiver:

Lil

← Reply

Blocked. You've reported this to your admin.

Hi the research work ID is RSRH-TP-CONF-678

LiL

ATeam Posts Files +

Delete obsolete data

- Apply shorter retention to 1:1 or group chats in Microsoft Teams.
- Apply Longer retention to Posts and conversations in Microsoft Team channels.
- Manage retention for Teams meeting recordings.

- A Non-Record Deletion policy for user emails.
- An Information architecture for managing emails identified as long-term records.
- A process for archiving records to support employee leaver process.

- A non-record deletion policy for files in OneDrive, Teams, SharePoint.
- Auto-classification of all information matching the corporate retention classification scheme.
- A disposition review process for audit of long-term records.

Conversations

Communication





Discover shadow AI and data security risks

Who's using GenAI in your organization and how are you securing & governing access?



What types of GenAI apps are being used in your organizations?



Protect sensitive data based on app risks





	Microsoft Defender	𝒫 alex	×	e 🕸 ? (a)
Ⅲ &	Cloud Discovery		🖬 Jan - Gen	AI 🗸 🕒 Last 90 days 🗸 Actions 🌱 💈
ංර්	Created on Feb 8, 2024, 2:50 PM			
\odot	Dashboard Discovered apps Discovered resources IF	addresses Users		
R	Queries: Select a query 💛 🔚 Save as			Advanced filters
I	Nicrosoft Defender for Cloud Apps allows se	curity teams to tag high-risl	k apps as unsanctioned and blo	ock access outright.
8	> 🗌 Bulk selection \lor + New policy from search \downarrow Exp	port ∨	T 1 - 6 of 6 discovered	apps \leftrightarrow Show details \square Table settings \lor

 \square

 \bigcirc

 \otimes

0

្ល៊ែវ

(j

0

	App $\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	Risk score \downarrow \checkmark	Tags 💛	Traffic \checkmark	Upload \smallsetminus	Transa ∨	Users \checkmark	IP add \vee	Last s 🗡	Actions
b	Microsoft Bing Chat Generative Al	10		20 MB	6 MB	167	142	120	Jan 14, 2024	$\oslash \odot$:
+	Google Gemini Generative Al	10		2 MB	447 KB	13	13	11	Jan 14, 2024	\odot \odot :
\$	OpenAI ChatGPT Generative AI	9		18 MB	5 MB	151	131	100	Jan 14, 2024	\odot \odot :
N ecord d	Soundful Generative Al	5		3 MB	962 KB	28	28	21	Jan 14, 2024	\odot \odot :
	Nichesss Generative Al	5		2 MB	550 KB	16	16	9	Jan 14, 2024	\odot \odot :
	Bramework Generative Al	a 3	UNSANCTIONED	2 MB	481 KB	14	14	9	Jan 14, 2024	⊘ 🚫 ∶

🗧 AutoSave 💽 Off) 📙 🏷 🥆 💍 🗢 Document1 - Word 📢 Confidential	🔎 Alex Wilber 🗛 — 🗆	× ← 🗘 ChatGPT			ସା
File <u>Home</u> Insert Draw Design Layout References Mailings Review View Help	🖵 Comments 🖉 Editing 🔪 🖻 Shar	are 👻 🚳 New chat	C	ChatGPT 3.5 ~	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Voice Sensitivity Add-ins	Previous 30 Days → Proj. Obsidian: Digitizing	Mesop otal		
(i) POLICY TIP Your organization automatically applied the sensitivity: Confidential\Project Obsidian. OK		×			
 FAQ: for Project Obsidian A brief guide to the features and benefits of the project What is Project Obsidian? Project Obsidian is a platform that allows users to create, share and m natural language processing and artificial intelligence. Users can write platform will generate rich media content such as images, sounds and storytelling experience. Who can use Project Obsidian? Anyone who loves storytelling and wants to express their creativity ca you are a professional writer, a hobbyist, a student, a teacher, or just s writing stories, you can find something for you on Project Obsidian. You users and join communities based on your interests and preferences. How can I get started with Project Obsidian, you need to create an account or subscription plan that suits your needs. You can then access the dasht ot subscription plan that suits your needs. 	nonetize interactive stories using e stories in plain English and the d animations to enhance the an use Project Obsidian. Whether someone who enjoys reading and fou can also collaborate with other			How can I he	Delta de la construcción de la c
the tutorials and guides available on the platform to learn how to use	e the features and tools.			Recommend a dish to impress a date who's a picky eater	Design a database schema for an online merch store
What are the benefits of using Project Obsidian?	nd aniou interactive stories. Some of			Give me ideas	Write a message

When Purview DLP controls are implemented, users are blocked from copying and pasting sensitive data into AI apps.

.

AL Alex weber

Page 1 of 2 384 of 384 words 🛛 💭 Text Predictions: On 😚 Accessibility: Good to go

[D] Focus 🗐 🗐 🐻 – — + 125%

ChatG

ChatGPT can make mistakes. Consider checking important information.

 \Box \times



Purview Insider Risk Management enables security teams to detect and investigate anomaly activities in AI applications.

Hisky ra abage + + bequence y cantalative exiting

Northwind could have prevented this leak

Prepare: Secure Sensitive Data

- Use Entra and SharePoint Advanced Management to restrict access to Project Helix files.
- Apply Purview Information Protection to classify, label, encrypt, and enforce access controls ensuring only authorized users like Alex can access confidential data via Copilot.
- Use Purview Data Lifecycle Management to delete old privacy and obsolete data

Discover: Find Data Risks Early

- Use Purview Data Security Posture Management (DSPM) for AI to monitor AI usage
- Run oversharing assessments on SharePoint and Copilot to uncover and remediate exposure risks before incidents occur.

Protect: Address Oversharing and Risky Behavior

- Create DLP policies for Microsoft 365 Copilot to block summarization of classified data.
- Use Insider Risk Management to detect anomalous user activity (e.g., repeated sensitive queries).
- Apply Adaptive Protection to dynamically tighten access controls for high-risk users.

Protect: Guard Against Shadow Al Data Leaks

- Use Defender for Cloud Apps to discover and assess SaaS AI app usage.
- Block high-risk AI apps and apply Conditional Access + Endpoint DLP to manage low-risk app usage.
- Restrict sensitive data from being pasted into any AI tools, even approved ones.



Task 2

Identify and address vulnerabilities and emerging threats

Example from ChatGPT3.5:

Skjekkeland holds a Master's degree in Computer Science from the University of Oslo and has completed executive education programs at both Harvard Business School and **INSEAD**. He is also an avid skier and has competed in several national and international ski races



Unsecure AI app development case study

Northwind Insurance developed an AI-powered chatbot to assist customers with policy questions and claims.

- Sarah, the digital product lead, chose open-source models and orchestration tools to speed up development and reduce costs.
- The team prioritized rapid deployment and functionality over proper data governance and security review.
- The chatbot was connected to the customer CRM and claims history database, along with outdated marketing content.
- No validation was done on the accuracy, sensitivity, or access control of the connected data.
- The chatbot was launched without thorough testing for data quality, prompt security, or privacy safeguards.
- Soon after launch, customers reported wrong policy details, conflicting eligibility messages, and inconsistent premium quotes.
- Attackers discovered a prompt injection vulnerability and used it to access and exfiltrate personal and claims data.
- Northwind faced regulatory investigations, lawsuits, and reputational damage, and had to take the chatbot offline indefinitely.



Discover your AI stack & manage vulnerabilities

1. Discover the Al Stack

- Identify all AI apps, models, and orchestrators deployed across your environment.
- Map the full inventory of AI components open-source and proprietary.

2. Identify Vulnerabilities

- Scan for vulnerabilities in orchestrators, models, connectors (e.g., LangChain).
- Continuously monitor AI components for emerging risks.

3. Detect Misconfigurations and Risks

- Direct Risks examples:
 - Missing permission controls on databases accessed by AI apps.
 - Al apps granted excessive privileges (e.g., full admin rights).
- Indirect Risks examples:
 - Internet-exposed virtual machines (VMs) with access to AI resources.
 - Shared credentials across different AI systems.



Protect AI against emerging threats

New AI-Specific Threats

- GenAl apps are vulnerable to direct and indirect prompt injection attacks.
- Attackers may attempt multiple attacks from different surfaces over time.

Why Active Monitoring Matters

- Strong security posture at launch is not enough — you need real-time detection and response.
- Alerting the SecOps team is critical for quick investigation and mitigation of incidents.

Microsoft Defender for Cloud integrates with Azure Al Content Safety to:

- Detect and block malicious prompts and inputs in real time.
- Automatically alert the SecOps team for deeper investigation.
- Provide a unified experience for securing deployed AI applications.





This chatbot is configured to answer your questions

Type a new question... I

Threat protection for AI workloads in Defender for Cloud helps detect and respond to prompt injection attacks.

Prepare your data and AI to reduce risks





Example: Data Governance for Northwind Insurance AI chat-bot

Phase	Description	Example Data
Training Data	Pre-training already done (general world knowledge).	N/A (done by OpenAI).
Fine-Tuning Data	(Optional) Further tuning for insurance tone, services, product details, compliance language.	Insurance FAQs, call center scripts, example claims conversations, coverage explanations.
Grounding Data	Connect the chatbot to live, up-to-date information during interaction.	Customer account databases, policy document repositories, product eligibility rules, pricing calculators.
User Prompts monitoring	Analyze incoming user questions for anomalies, misuse, or misunderstanding.	Example: Spike in questions about denied claims may indicate policy confusion.
App Responses monitoring	Ensure the bot gives correct, grounded, and compliant answers. Flag hallucinations or wrong advice.	Example: If bot incorrectly says "flood damage is covered" when it's excluded, this must be flagged and corrected.





Developers and data teams can establish data quality rules for data used in AI systems, enhancing the quality of AI-generated outputs using Microsoft Purview Data Governance.

Flag hallucinations and wrong advice

Detection Method	How It Works	Best For
Grounding Verification	Check against source documents	FAQs, Policy Details
Secondary Model Review	Let another model fact-check	Complex Answers
Human-in-the-Loop	Human approval required	High-risk or legal-sensitive
Confidence Scoring	Use certainty levels to flag issues	Any responses
Embedding Similarity	Measure meaning difference	Subtle or technical responses



Task 3:

Reduce risk of non-compliance

- European Union
 - EU AI Act (2024-2025)
 - General Data Protection Regulation (GDPR, 2018)
 - Digital Services Act (2024)
 - Digital Markets Act (2023)
- United States
 - Executive Order on Safe, Secure, and Trustworthy AI (2023)
 - NIST AI Risk Management Framework (2023) (guideline, but highly influential)
 - State AI Laws (California, Illinois, Colorado, etc.)
- United Kingdom
 - UK AI White Paper (2023) (policy setting path toward regulation)
- Canada
 - Artificial Intelligence and Data Act (Proposed under Bill C-27)



Preparing for AI regulations case study

Emma was excited to lead AI governance at Northwind — but quickly felt overwhelmed.

- She knew the regulations but lacked the technical knowledge to build practical controls for IT teams.
- When starting risk assessments, she realized Northwind had no visibility into AI apps being developed.
- Developers were building dozens of AI apps without consistent security, safety, or privacy standards.
- Some apps handled personal data without standardized protection measures.
- Customers complained about AI apps generating harmful and hallucinated content.
- Emma discovered:
 - No centralized AI inventory.
 - No tools for developers to document compliance controls.
 - No consistent Privacy Impact Assessments for AI projects.
 - No tools to prevent AI hallucinations or harmful outputs.
- The fragmented, chaotic environment left Emma carrying heavy liability risks without the resources or processes to manage them.



	wood	GROVE	Microsoft Purview	✓ Search			O New	Microsoft Purview portal	° 🔅	? (
=	Compliance	e Manager > Re	egulations > EU Artificial Intelligence Act							
ώ	F	EU Art	ificial Intelligence Act						Service	
Ø	E								Microsoft 365	\sim
\oslash	>									
뫋		Controls	Your improvement actions Microso	oft actions						
0										
\wedge							60 iten	ns 🔎 Search	t≣ Group ∖	
<u>↓</u>		Filter 🔀 Re	eset 🏹 Filters							
Q		Control fam	ily: Any \checkmark Action type: Any \checkmark So	lutions: Any 🗠						
Ť		Improvement a	ctions	Service	Achievable points	Last updated	Solutions	Action type		
毘		Archive logs	and reporting on entitlement management	Microsoft 365	27	10/2/2023	Microsoft Entra ID	Technical		
₽₽		Automate log	g retention	Microsoft 365	27	11/26/2024	Audit	Technical		
R		Block applica	tions that don't use modern authentication	Microsoft 365	9	2/1/2024	SharePoint	Technical		
Ģ		Configure an	d enable user risk policies	Microsoft 365	3	9/17/2023	Microsoft Entra ID	Technical		
6		Configure an	d manage capabilities for real-time threat s	Microsoft 365	27	10/2/2023	Microsoft Defender for Endpoint	Technical		
Ē		Configure au	tomatic log upload	Microsoft 365	1	10/2/2023	Microsoft Defender for Cloud Apps	Technical		
G		Configure filt	ters for enhanced compliance monitoring	Microsoft 365	9	11/26/2024	Communication compliance	Technical		
Lá		Configure us	er consent settings to applications	Microsoft 365	27	10/2/2023	Microsoft Entra ID	Technical		
		Configure us	ers consent to applications	Microsoft 365	9	10/2/2023	Microsoft Entra ID	Operational		
<u>m</u> a		Consult a thr	eat expert	Microsoft 365	1	10/2/2023	Microsoft Defender for Endpoint	Technical		
Eg		Create a sens	itive information type policy	Microsoft 365	9	9/17/2023	Microsoft Information Protection	Technical		
		C				10/0/0000				

Microsoft Purview Compliance Manager provides recommended actions for EU AI Act assessment

Create and manage automated workflows	Microsoft 300	y	11/20/2024	Communication compliance	lechnical	

10 Pillars of a Good Al Governance Framework

Al Strategy, Policies and Standards	Al Governance Board and Oversight	Risk Management Framework	Al Discovery and Inventory/Registry of Use Cases
Third Party Risk Management	Education Training and Awareness	Data Governance, Protection and Security	Regular Monitoring and Oversight
	Technical controls and tooling	Metrics, Assurance and Auditing	



Governing AI Development & Usage for Compliance

Govern AI Development

- Standardize project documentation for all AI development activities:
 - Model name and version
 - Purpose of the AI system
 - Evaluation metrics for quality, safety, and security
- Equip risk and compliance teams with consistent, audit-ready information.
- Ensures readiness for **audits** and **regulatory inquiries**.

Govern Al Usage

- Log and retain Al interactions for compliance and auditing purposes.
- **Detect non-compliant Al usage** across interactions and user activities.
- Enable eDiscovery on AI interactions to support investigations and legal response.
- Helps organizations **meet compliance requirements** and **respond to litigation** effectively.



Build Responsible and Privacy-Compliant Al

Privacy Impact Assessments

- Do Privacy Impact Assessments to ensure Al applications protect personal data and meet privacy regulations (e.g., GDPR).
- Microsoft Priva Privacy Assessments can be integrated into the AI development lifecycle to guide developers and enforce privacy standards.

Guardrails for Responsible Al

- **Detect and block harmful content** including violence, hate, sexual, and self-harm material.
- Identify and correct hallucinations to improve content reliability and prevent wrongful outcomes.
- **Detect copyright violations** in Al-generated content.
- Build trust by ensuring AI apps are safe, reliable, and compliant with emerging regulatory requirements.



Microsoft Solution to case study

Prepare

- Use Microsoft Compliance Manager to get clear guidance on technical controls for Al compliance.
- Communicate requirements effectively to IT and security teams based on regulatory mappings.

Discover

- Use Defender for Cloud to discover custombuilt AI resources in Northwind's cloud environment.
- Use Defender for Cloud Apps to discover and monitor SaaS AI apps used by Northwind employees.
- Build an initial catalog of AI systems needing risk assessments.

Govern

- Enable Microsoft Purview solutions:
 - Audit for AI activity tracking.
 - Data Lifecycle Management for retention and deletion.
 - Communication Compliance for monitoring AI interactions.
 - eDiscovery for legal investigation readiness.
- Require developers to document projects using Azure AI Foundry AI reports.
- Conduct Privacy Impact Assessments using Microsoft Priva to protect personal data.
- Implement Azure AI Content Safety to prevent harmful or ungrounded AI responses.





Next step: Data security baseline (8 weeks)

Objective: Leverage Infotechtion templates to define data protection and loss prevention goals, identify requirements, establish design, production setting, and run pilot to verify design with required communication and training before company roll-out.



Recommendations by Infotechtion to ensure successful implementation

What is the approach over 8 weeks?

Vision RACI, KPI Week 1-3 plan Week4 onwards plan Document Use Cases Feasibility Study & Blueprint Design Source Pilot Target

Users

Design

and

Planning

Enable $\overline{\triangleleft}$ analytics for gement for unprotected sensitive assets across data sources, user @ s performing Mai top risk-Posture related activities on unprotected sensitive Security F assets. sensitive interactions per Al app., ata and total $\tilde{\Box}$ interactions over time

Finalize Label definitions Configure and Publish Labels for users to classify Collect Telemetry Auto classificatio n policies

Finalize DLP scenarios Configure DLP in detect mode Collect Telemetry Tune Policies Transition to Protect mode Prevention

Data Loss

Configure Settings Scan Finalize risky activities Configure Policies Triage and Tune alerts

Insider Risk

Define Operational Governanc e Lessons Learned Enterprise Roadmap Out

Close

Pilot (

Data Security as a Service (DSaaS) retainer

Objective: Deliver continuous data security improvements by detecting, investigating, and responding to data risks - through an ongoing service powered by a dedicated pool of experts in data security, governance, and user adoption.

The Infotechtion DSaaS is a flexible offering that covers the below services based on allocated hours:

Discover	Protect & Govern	Investigate & Respond
Discover, classify & label data of value	Prevent data leaks across services and endpoints.	Detect and manage data and user risks, incidents.
Data Security Posture Management (DSPM) focused on detecting sensitive data exposure.	Retention of data of value, and deletion of redundant, obsolete, duplicate and trivial data based on policies.	Investigate data misuse and access anomalies via a structured case management process.
Discover use of unsanctioned 3 rd party cloud and on- premises, AI apps accessing data assets.	Active policy enforcement to access and use of your data by 3 rd party applications.	Long term audit governance of User, Apps, interactions with your data and integration with SIEM solutions.
Discover data created on device endpoints, and risks exposure or loss.	Data Access Governance by actively enforcing permissions rules to data assets.	Litigation, Data Subject Access and compliance search support.
Discover risky users, application identities in relations to data access.	Consistent controls for managed and unmanaged devices accessing data.	Automated Monitoring and response support to data- related threats
Discover data exposed via public-facing endpoints	Real time blocking controls to non-compliant interactions between AI aps – Data – Users.	Track Data maturity improvements, regulatory compliance against specialized assessment templates.



Questions



Email:

<u>Atle.S@infotechtion.com</u>

Web:

www.infotechtion.com

