November 2023

AI Data Security Assessment

Start your AI journey with a data security AI readiness assessment by VENZO

Microsoft Solutions Partner

VENZO_ Tech. Change. Today.

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Assess your data security and get ready to use AI with confidence.

Our AI data security readiness assessment is designed to **enhance your data protection measures**, ensuring readiness for cutting-edge AI solutions such as Microsoft Copilot.

This assessment **empowers you to safely leverage the latest productivity benefits**, while knowing that your data is protected and the risk of potential data breaches are being managed.

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Why is it a good idea to start my AI journey with a data security assessment?

AI is coming

- Generative AI solutions such as Copilot are coming, and your employees want to use them.
- Generative AI provides possibilities for huge productivity increases and can be an asset for your company.
- But AI is also bringing an increased risk of data breaches, as data confidentiality might be breached when employees fetch data from all over the organization.

Data security is essential

- Data security is essential to protect your company against data breaches associated with AI solutions.
- As an example, if you have salary information stored in SharePoint Online without data security controls, all your employees can access that information through Copilot.
- Leveraging AI solutions without addressing data security entails risks such as data breaches.

Be prepared and manage risks

- The data security AI readiness assessment provides you with an overview of your current data security posture, the gaps to be addressed for data secure usage of AI solutions, and the concrete roadmap to close those gaps.
- Fundamental data security controls and AI-specific controls can contribute to risk management by providing safeguards against data breaches and data overexposure facilitated by AI solutions.

Why should I choose VENZO as my AI and security partner?

Trusted Microsoft partner.

- VENZO are among the best in class when it comes to Microsoft security:
  - We are acknowledged by Microsoft as a Security Solution Partner.
  - VENZO is the Microsoft Denmark Partner of the Year 2021, 2022 and 2023 within Security. As such, we are best in class partners.
  - Membership of several Microsoft partner programs and connection programs for trusted partners.

Data security specialists.

- VENZO have profound experience in assessing and implementing security and compliance solutions for some of the largest organizations.
- VENZO have the ability to understand and consider all perspective within the data protection world.
- VENZO are a unique information protection and compliance partner.
- VENZO understand the whole data governance and AI perspective and have dedicated data and AI specialists in-house.

Tech and change.

- We believe in the importance of both tech and change. We focus on backing up technical implementations with organizational change management and adoption initiatives.
- We believe tech, humans, and organizational culture are key drivers of digital transformations.
- We speak the language of c-level leaders, system administrations, data protection officers, and CISOs to make all levels play together in an effective data security strategy.

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Getting started with the assessment

Procedure

- We take you on the journey from assessing your data security posture to identify control enhancements to planning an implementation project.
- The assessment includes the following steps:
  - Kickoff workshops.
  - Assessment workshops.
  - Current posture analysis.
  - Report on data security posture.
  - Scanning for sensitive data.
  - Identification and presentation of controls.
  - Roadmap prioritization.

Prerequisites

- People and processes
  - Project owner.
  - System owner.
  - Security, compliance, and data protection stakeholders.
  - Executive such as CISO involvement.
- Participation of employees with admin rights as Compliance admin and within SharePoint and other relevant systems.
- Licenses:
  - E5 or E5 Compliance is preferred.
  - Other licenses are workable but can limit the scope.

Outcome

- The assessment will provide you with actionable outcomes:
  - An assessment and overview of your current data security posture in general and specifically regarding your AI solutions (whether Copilot or a customized solution).
  - Identification of sensitive data that should be protected.
  - Identification of data security controls applicable for your environment.
  - A prioritized roadmap for implementation of controls.

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The four assessment phases

The data security AI readiness assessment contains four phases addressing your readiness for AI solutions like Copilot.

01 Current data security posture

- VENZO assess your current data security posture within the Microsoft Purview stack.
- We assess your policies and procedures around data classification and security.
- **Outcome:** Assessment of data security posture, specifically regarding AI.

02 Identification of sensitive data

- VENZO use scanning tools to identify sensitive data stored within your environment.
- We scan for GDPR related data, technical sensitive data, and your confidential data.
- **Outcome:** Overview of the types and amount of sensitive data.

03 Protect data in AI solutions

- VENZO present you with suggested data security controls and enhancements.
- We identify the controls that provide the best possible security for your posture.
- **Outcome:** An understanding of how data security controls can help to protect your data.

04 Roadmap to data security

- VENZO identify the suggested steps to improve your data security.
- We suggest concrete technical controls to secure your data.
- **Outcome:** A prioritized roadmap with concrete steps to improve your data security.

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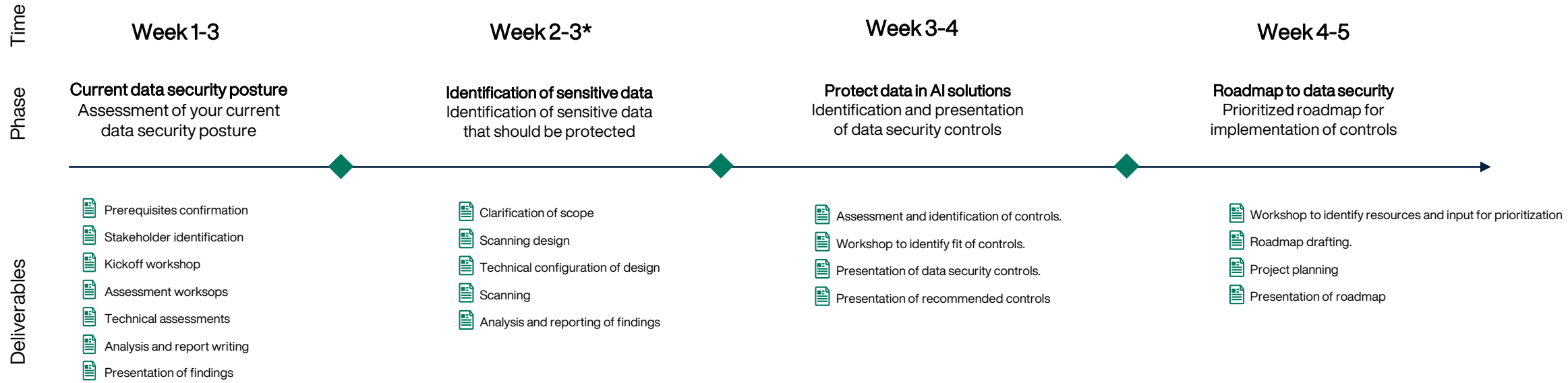
Timeline for the assessment



The phases will overlap and might run iteratively
* Dependent on the setup and amount of data to scan

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01 Current data security posture

The foundation

- **Data security for AI is fundamentally about your overall data security posture** and rests on your data security framework and controls.
- This starts with data classification. **Data classification is a cornerstone of data security for AI**, as only by classifying data according to sensitivity and value, organizations can control what users can access and manipulate using AI tools.
- A **sound data security framework** includes:
  - Data classification according to the sensitivity and value of information.
  - Appropriate security controls for each sensitivity level.
  - Technical data classification labeling and controls.
  - Labeling data through manually labeling by users or automatic labeling through data patterns.

The assessment

- The assessment therefore starts with **an assessment of your current data security posture** to identify the current state and the gaps to use AI securely.
- We leverage assessment workshops with stakeholders with insights and technical assessment tools to assess:
  - **Your data classification and labeling framework** and how its implemented.
  - The extent to which **data in our organization is labeled** and your users understanding of labeling.
  - The **implemented data security controls** such as access rights and how they protect your data.
  - **How data is identified** and labeled.

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02 Identification of sensitive data

The foundation

- It is important to **identify the sensitive data in your environment**, where it is stored and how it is used.
- Identification of sensitive data **enables labeling of sensitive data** so it can be protected accordingly.
- AI solutions reason over and retrieves information from your environment and **can therefore also expose sensitive information to users**.
- **Identification and appropriate labeling enable the AI solutions like Copilot to be aware of the confidentiality** of data and respect it through AI-specific data security controls.

The assessment

- In the assessment **we use a mix of workshops and technical scanning tools** to identify your sensitive data.
- By engaging with stakeholders across security, data compliance and the business **we can identify storage locations with sensitive information** and ensure labeling of the most important data.
- **Technical scanning tools can identify sensitive data through data pattern recognition**. We can identify GDPR data, technical sensitive data such as credentials and use ML-powered classifiers for broader identification.

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03 Protect data in AI solutions

Data security controls

- Data security controls implement the actual technical protection required in the data classification model.
- The controls are implemented proportionally to the confidentiality of the information.
- **General data security controls** form the foundation.
  - Access controls can limit access to data.
  - Content marking provides graphical awareness.
  - Data loss prevention creates boundaries.
- **AI-specific data security controls** protects data in AI solutions.
  - AI solutions can respect the access controls from your general data security controls.

Protecting your data

- Based on the assessment we **identify the relevant data security controls** that can enhance your data security posture and make your ready for the secure use of AI solutions.
- We introduce you to the **data security controls and how they will improve your data security**.
- We show you **how AI-specific data security controls can protect your data** in AI solutions and ensure that solutions do not expose confidential data.

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04 Roadmap to data security

Data security controls

- When your data security posture has been assessed and data security controls identified, you need to **implement the technical solutions that provide protection** and drive adoption in your organization.
- We therefore **conclude the assessment with a prioritized roadmap** that give you the concrete steps to improve your data security posture and get ready for AI-solutions.
- We provide you with **an actionable roadmap** so you can confidently improve your data security.
- We **emphasize organizational change management** to enable a successful implementation project.

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Thank you!

For questions about our services or approach, please reach out to us at **hello@venzo.com** or to your Microsoft Account Manager.

Tech.
Change.
Today.