

How do I become compliant with Identity security

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New to NIS2 Where to begin?



It's about people and
processes

1

The security efforts must be rooted in the management team – the management team must show that it takes responsibility for security and must be involved in the management of cybersecurity risks.

2

The company must ensure an appropriate level of security based on a risk-based approach – and it must be able to measure the risks it accepts.

3

Documenting the security effort – the company must document that the company is in control of security.

4

The company must be ready to handle cybercrises – and have a disaster recovery plan ready.

5

Focus on the security of suppliers – the company must be critical, ask questions and ask for documentation of suppliers' security.

6

The company must be able to handle a notification obligation on an equal footing with the GDPR – but already within 24 hours.

Important first steps



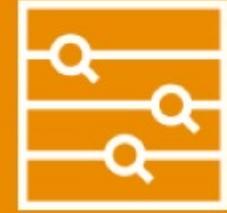
Current state assessment

1. Conduct an As-Is assessment
2. Identify gaps against the requirements
3. Develop assessment methodology
4. Classify the gaps and map them to concrete parts of your organization
5. Develop an inventory and update it regularly with progress



Strategy and roadmap for closing the gaps

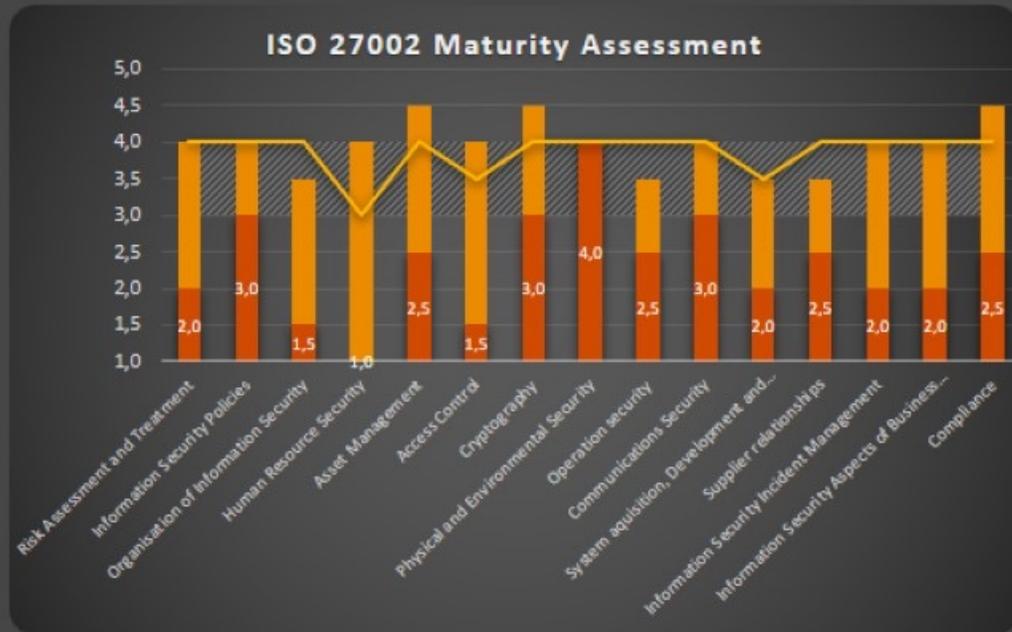
1. Analyze the identified gaps
2. Prioritize the findings based on risks, complexity to implement and importance against NIS2 requirements
3. Define the future state
4. Update Enterprise strategy
5. Gaps mitigation roadmap with timelines for each gap



Continuous risk assessments

1. Define the process to continuously evaluate your risks
2. Regularly perform the assessments and document progression and new gaps identified
3. Document results of each iteration
4. Update Roadmap and Strategy accordingly

Example assessment



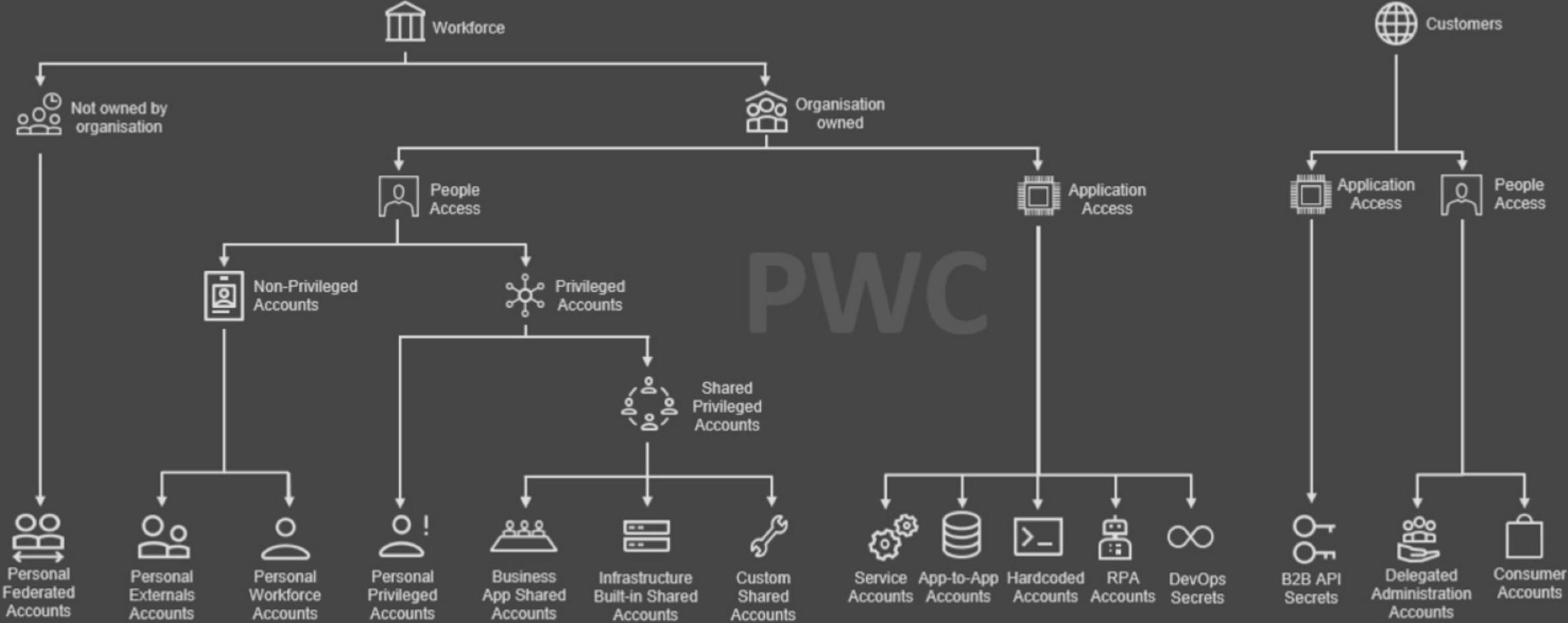
Example: ISO27001/NIS2 maturity

ISO27001 NIS2 references*	'as is'	'to be'	Expected effort
4 Risk Assessment and Treatment	2	3,5	Medium
5 Information Security Policies	2	3,5	High
6 Organisation of Information Security	2	3,5	Medium
7 Human Resource Security	2	3,5	Low
8 Asset Management	2	3,5	High
9 Access Control	2	3,5	High
10 Cryptography	1	3	High
11 Physical and Environmental Security	1,5	3,6	Medium
12 Operation security	2,1	3,6	Medium
13 Communications Security	2	3	Medium
14 System acquisition, Development and Maintenance	1,7	3,3	High
15 Supplier relationships	1,7	3,6	Medium
16 Information Security Incident Management	2	3,6	High
17 Information Security Aspects of Business	3	3,6	Low
Continuity Management			
18 Compliance	2,2	3,5	Low

NIS2 articles and paragraphs



Identities across organization



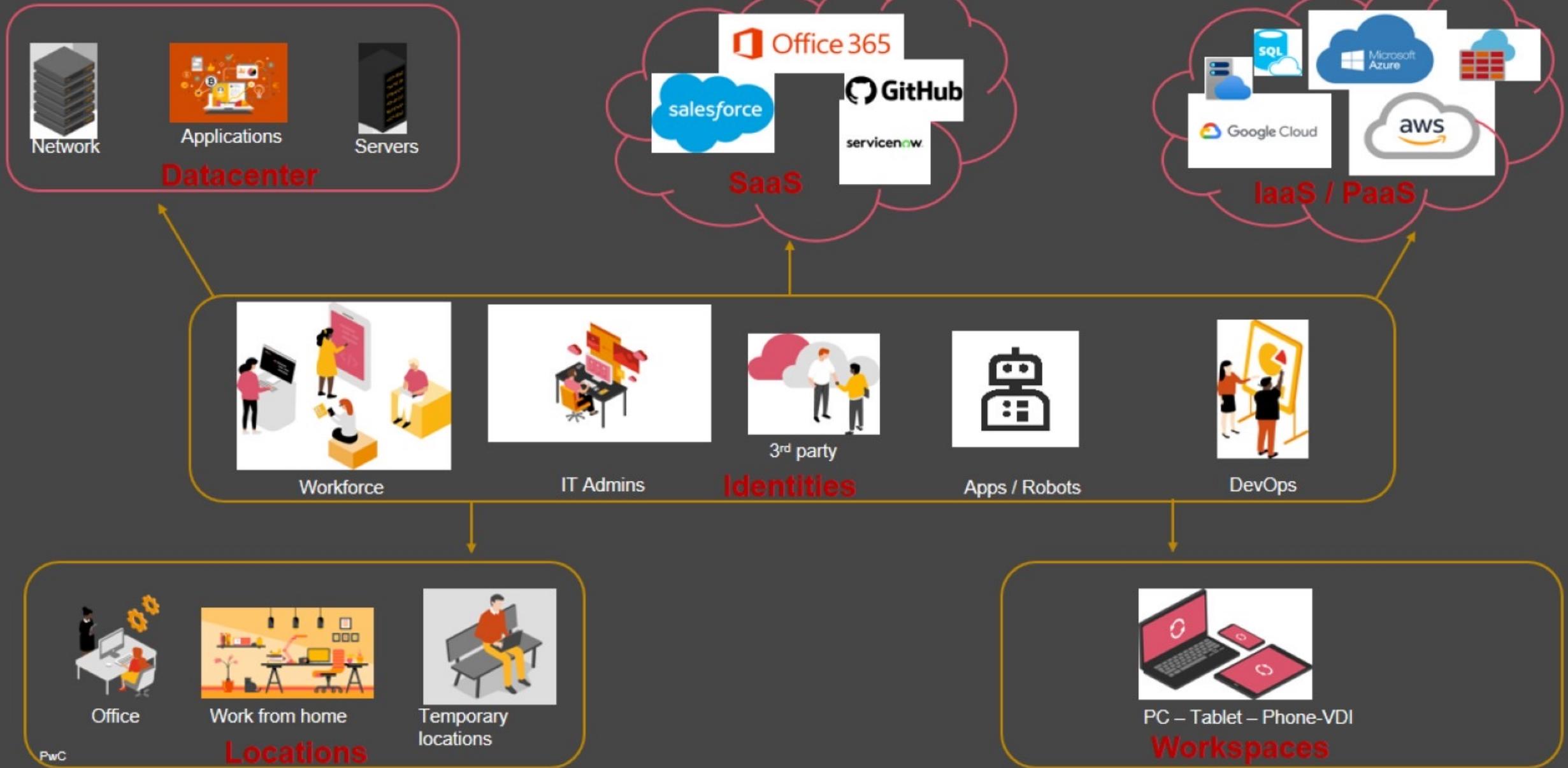
WIAM

PAM

CIAM



Today's workplace



IAM and PAM directly enhances an organizations ability to comply with the following ISO2700x controls

NIS2 articles

Introduction to ISO2700x

The use-case of ISO 2700X in relation to Identity and Access Management (IAM) and Privileged Access Management (PAM) is to provide a structured framework and guidelines for organizations to establish robust security controls, risk management processes, and continuous improvement practices to ensure the confidentiality, integrity, and availability of information assets related to identity and access management, including privileged accounts and access rights.

Art.21.2(g) Basic cyber hygiene practices and cybersecurity training

Art.21.2(i).3 Asset management

Art.21.2(i).2 Access control policies

Art.21.2(i).1 Multi-factor authentication or continuous authentication solutions

Art.21.2(d).Supply chain security

ISO/IEC 27001: A.9.2.1 - Access control policy

ISO/IEC 27001: A.9.2.2 – User access management

ISO/IEC 27001: A.9.2.3 – User responsibilities

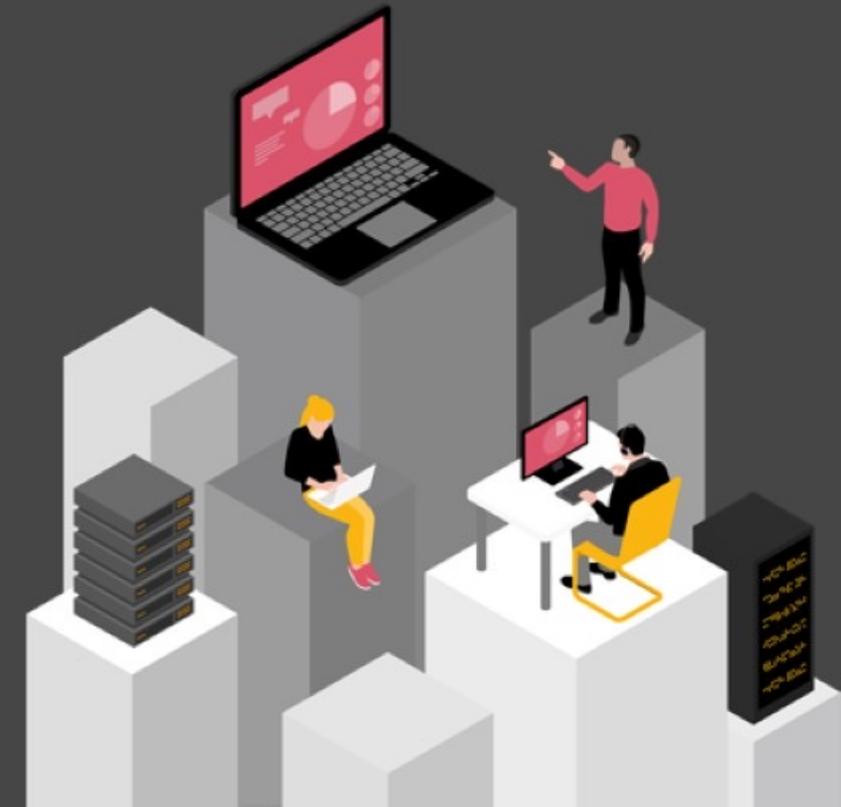
ISO/IEC 27001: A.9.2.4 – System and application access control

ISO/IEC 27001: A.9.2.5 – User password management

ISO/IEC 27001: A.9.2.6 – User identification and authentication

ISO/IEC 27002: 9.2.6 – User roles and responsibilities

ISO/IEC 27002: 9.2.7 – Management of privileged access rights



Protect Identities across organization

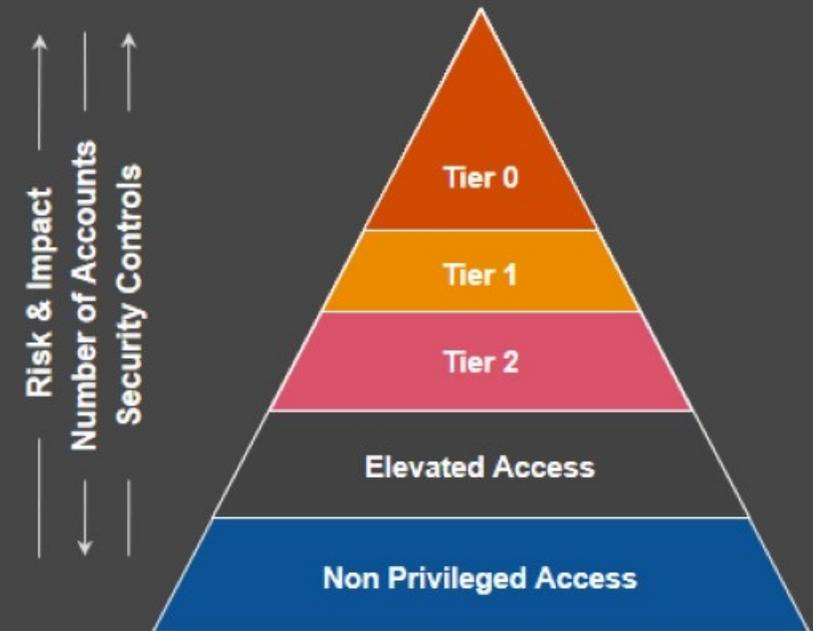
Almost every attack starts by taking over identity of an account within the breached organization.

Having automated streamlined IAM processes is a key to protect your assets and to allow efficient work for your employees and to be compliant with all regulatory and audit requirements

Before enforcing controls

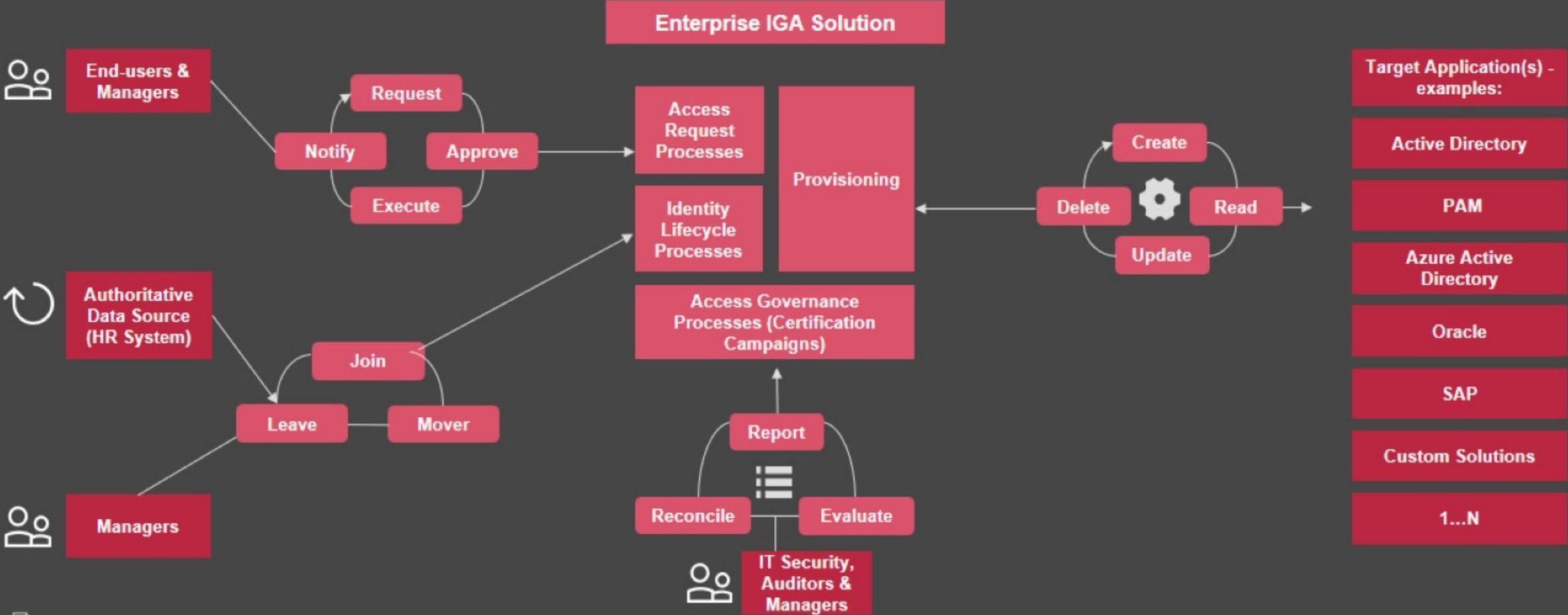
Below are some key considerations to be made before enforcing controls:

- Discovery of privileged access
- Identification of tiers based on tiering matrix
- Hygiene Exercise on accounts
- Updating the controls model to meet the standards
- Finalizing the tools for enforcing controls
- Setting up necessary integrations to allow enforcement

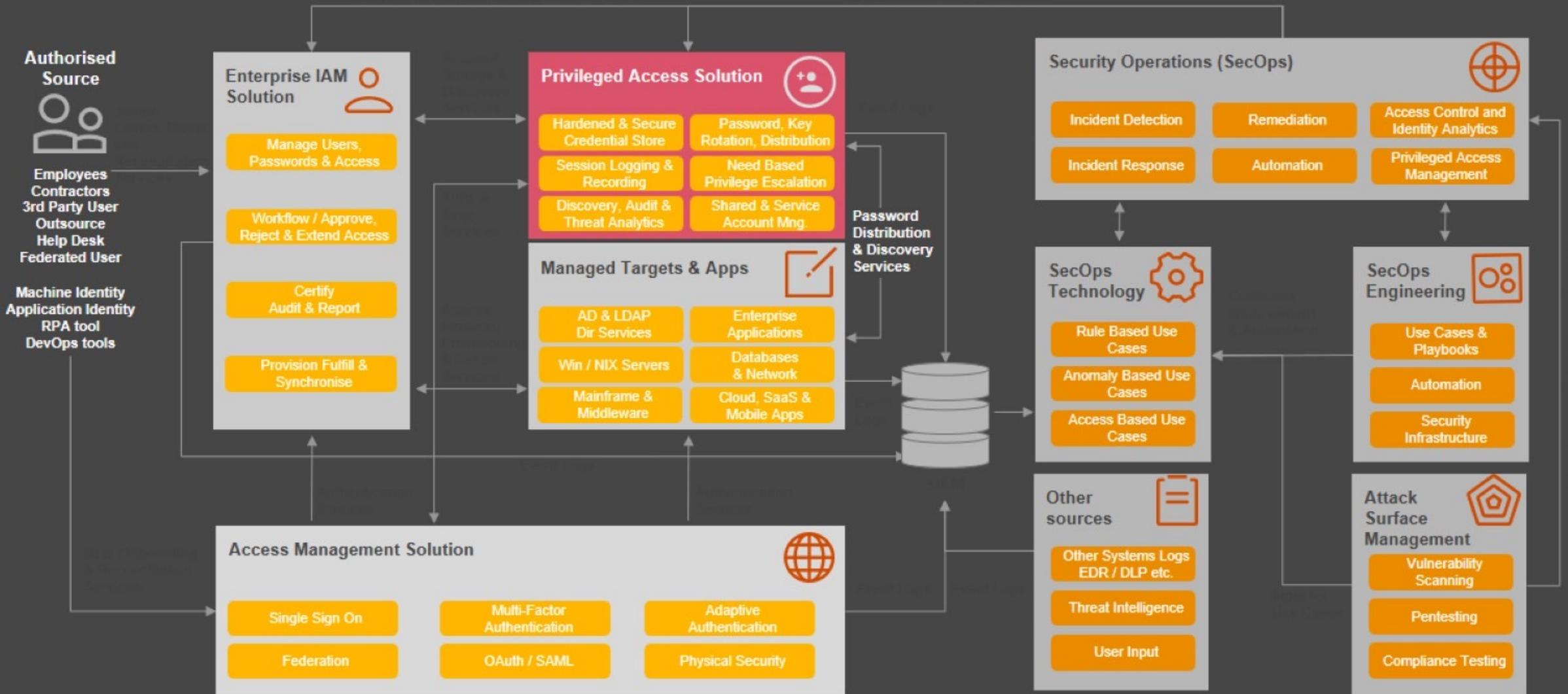


Leveraging IGA processes integrated with PAM

Enterprise IGA solutions support a set of standard processes using PAM module



Integrated Identity Security



It all starts with people

It all starts with people

- Even with best possible security solutions, controls and policies, people will be involved and will be the weak link, unless you train them

Explain why

- Tell your people not only what is important to do, but also why
- Understanding why certain processes need to be followed helps people to comply with them

Implement proper Cybersecurity Hygiene program

- Prepare the plan
- Share it accordingly to increase awareness

Thank you

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Together we succeed...

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