TOREON

IAM Architecture

□ PRODUCT SHEET □

SECURITY STARTING FROM 'YES'

Gold
Microsoft Partner
Microsoft

About our offering

IDENTITY AND ACCESS MANAGEMENT
STARTING FROM THE BUSINESS

Identity: a fundamental building block for Zero Trust security

Together with endpoint security, identity control is a major area of focus in a Zero Trust strategy.

Working from any place, on any device is part of a digital business. But this means it's essential to strongly identify who is who. Then give access only to the resources needed.

In Zero Trust, relying solely on passwords for any type of access is madness. Authentication has to be strong, but how strong in which cases? Access rights are based on any condition you can think of such as the type and importance of the service, location, time of day and the type of authentication used. We leverage AI to determine the risk we are facing to help us figure out the risk we face in a dynamic way.

Setting this up correctly and then keeping control is not easy.

Toreon: Identity management starting from the business

We use Microsoft Identity Manager, Active Directory Domain services, Azure AD Connect or any other compatible identity solution as tools to provide just that: control. How we do this? We don't start from the technology. We turn to the business first. They know which assets have to be protected and what the risks are. They also know who needs access to what resources.

Instead of getting straight into the technology, we first get the governance right. This will determine any technology choices you make and the eventual configuration of your environment.

These choices must truly support your business goals and protect what needs protecting at the right level. No more, no less.

Zero Trust

DIGITAL TRANSFORMATION IS DRIVING BIG CHANGE FOR YOUR BUSINESS. WITH BIG CHANGE, COME BIG CHALLENGES.

Organizations are implementing a cloud-first strategy to support their digital transformation moving business processes to the cloud.

In this new cloud setup, it's no longer possible to build a moat around a castle, or a firewall around a network.

In today's client-first, cloud-first world, the internet is the primary network.

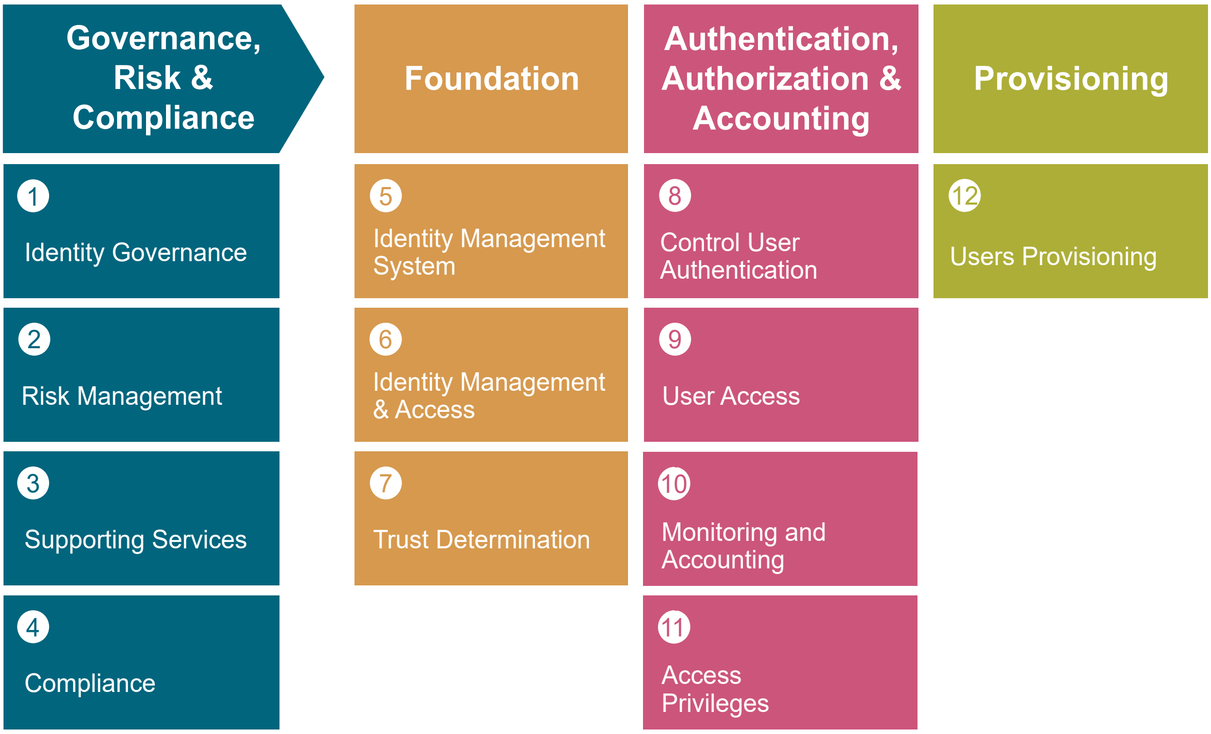
People need access to applications, data and services anywhere.

That requires a new security approach.

In Zero Trust, your identity is the cornerstone of security. We first make sure this is solid.

Since data is your most precious asset, that's where our security efforts are focused.

Your IAM Architecture journey



Governance, Risk & Compliance	Foundation	Authentication, Authorization & Accounting	Provisioning
1 Identity Governance	5 Identity Management System	8 Control User Authentication	12 Users Provisioning
2 Risk Management	6 Identity Management & Access	9 User Access	
3 Supporting Services	7 Trust Determination	10 Monitoring and Accounting	
4 Compliance		11 Access Privileges	

□ **Governance, Risk & Compliance:**

Governance is defining ‘what’ to do, before deciding ‘how to’. For us, this is the first step in building a fitting IAM model. In this phase, we look at what the business needs, what their risk appetite is and what they consider critical assets. We take into account any compliance need they have, internally and externally.

We then set up a risk model. This reflects the type and level of risk a business is willing to face when making decisions about digital assets.

Starting from governance and working with the business to address their needs and concerns, is the best guarantee for an IAM model that truly supports the business model.

□ **Foundation:**

In this phase, we set a strong technical foundation to build our services on. We decide on core services to be used to support our architecture. We set up the core management plan which will allow us to furthur configure and manage our IAM infrastructure.

We then turn to the system of trust we use in our infrastructure. Are there on premise and cloud infrastructures to connect? Are there external partners? We determine how the trust should flow. Technology questions such as AD connectivity, the direction of synchronization, federation, single-sign-on, Azure B2B & B2C and third party providers are handled.

We decide on all of this, then build the system accordingly.

□ **Authentication, Authorization and Accounting:**

Authentication is recognizing a person’s or system’s identity. We enable the mechanisms of authentication using the rules we created. Technologies range from traditional passwords to Multifactor authentication, biometrics up to password-less authentication.

Authorization decisions are made based on static condition, but also on dynamic conditions (signals) that are interpreted by AI. Our model is based on sound principals such as ‘least privilege access’.

Finally, we configure the accounting rules that business needs. We create the necessary traceability so we can investigate when, how and by whom a resource was accessed, all the while respecting privacy rules and regulations.

□ **Provisioning:**

We create the objects that reflect our model, in the Azure Active Directory. Then we configure all the rules that govern the relationships between theses object: we implement the AAA model.

We closely follow the design created in our previous phases.

CHECK OUT OUR AREAS OF EXPERTISE:

GOVERNANCE, RISK & COMPLIANCE (GRC)

True experts in identifying risk, our GRC consultants will install the correct controls and mitigate threats. Together with your team, they establish security policies that conform with all relevant rules and regulations and align with your risk tolerance. If you require proof that cybersecurity is built into your governance and operations, we will facilitate your becoming ISO27001 certified.

SECURITY ARCHITECTURE

We improve your security maturity by making your IT processes more secure. We detect risk in IT and make the right & secure choices in technology. Our security architects are cloud security architects.
Our vision is one of Zero Trust so our approach is future proof.

SECURE DEVELOPMENT

We support builders of digital solutions, who want to get a better grip on their cybersecurity and raise their security standards. In essence,
we coach and train development team to develop more securely.
Our offering consists of assessing your product in development, the creation of secure development processes and maintaining secure & compliant development infrastructure.

ICS/IOT SECURITY ARCHITECTURE

Our ICS security consultants perform OT security assessments and assist customers in establishing or extending their OT security program. This includes setting up zoning concepts, creating network and system designs, providing awareness sessions and creating policy documents.

ETHICAL HACKING

Our ethical hackers are trained experts who validate the security of your infrastructure and applications from a malicious hacker's point of view.
They have learned how to think like 'black hat' hackers and know the tools and techniques they are likely to use.

CLOUD SECURITY

We are a Microsoft Security Gold partner that can support you on your cloud security journey. Our services are based on a Zero-Trust strategy. We help you to get a better view of your security posture.

Our Security Architects and GRC experts are certified in M365 and Azure Security. They make sure your security policy is fully translated in your cloud deployment.

Your partner for Microsoft cloud security & compliance

Toreon is an independent provider of security expertise. We have a long tradition of providing strategic advice in information security. We align security to the business needs and create a policy that is truly adapted to the organization. We are the only Microsoft Gold partner to take this approach. Where others know how to toggle security features, we set and activate security policy and achieve compliance.

We activate your security policy in the M365 & Azure environments. This creates impact and makes security a driver of change in your organization.

Finally, our Information Security Operating Center keeps an eye on compliance in your cloud environment. This way we make sure your security policy is respected.

Security is a journey, not a project and we can guide you along the way.

Toreon BV
Grotehondstraat 44 1/1
2018 Antwerpen
Belgium

+32 33 69 33 96
info@toreon.com
www.toreon.com