

<epam>

EPAM Microsoft 365 Security Assessment

March 2024

Cloud – a New Security Paradigm

Tech Landscape Evolution

Technology around us is changing rapidly. The introduction of novel technologies is mostly driven by a huge push to automation and scalable deployment of services in the industry. Cloud is a new normal.

IT Threat Evolution

Cyber attacks are becoming increasingly complex and frequent, with machine-based algorithms expected to become the primary threat actors in the future, evolving quickly, based on the massive amount of usable data, and aiming at **infrastructure and services complexity and granularity**.

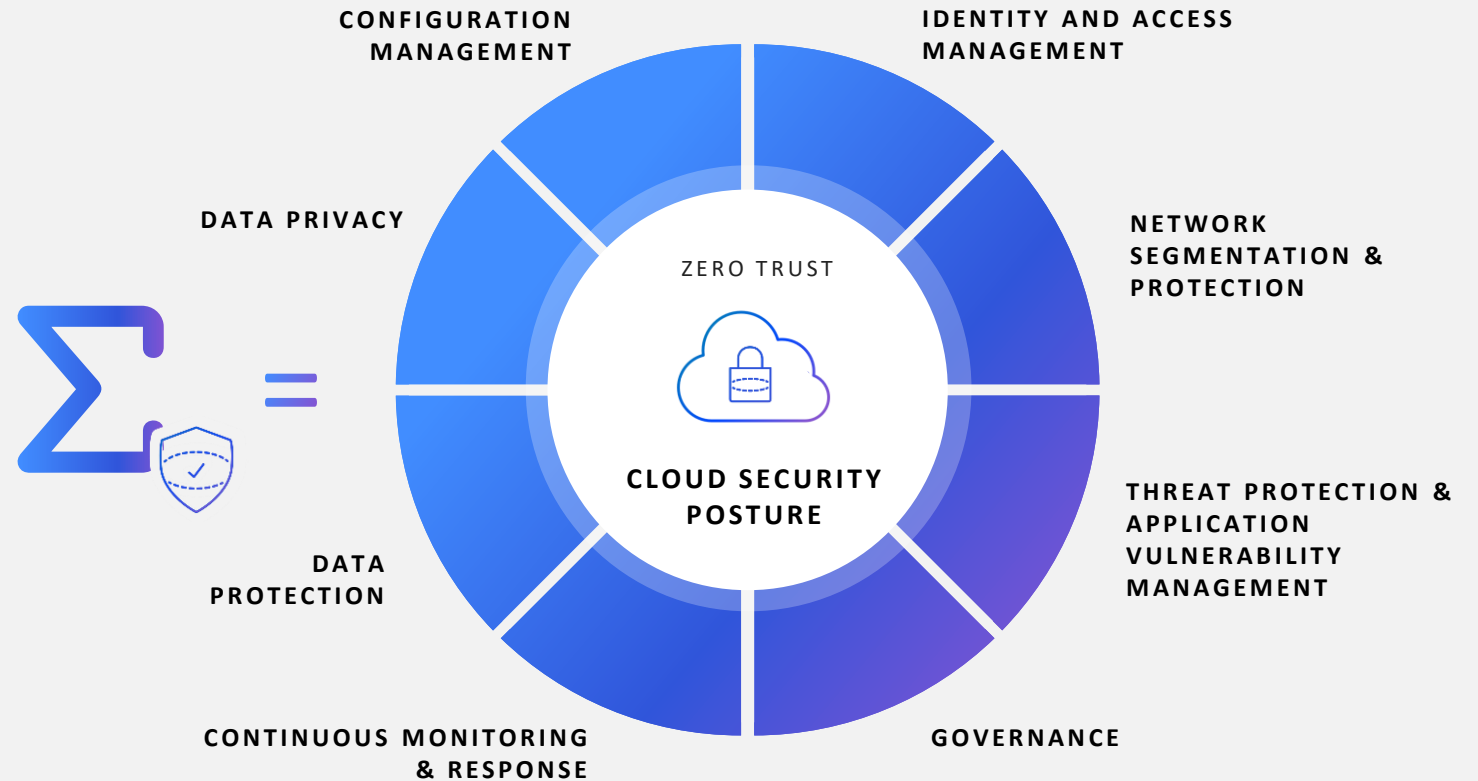
Analytical Usage Risks

Analytical data usage is growing. Analytical usage conflicts with the current security model applied on the operational systems. Data Analysts typically want to get access to all data and multiple data sets. Cloud is there to support this trend – but with this, a new risks paradigms emerge.

Our Approach to Cloud Security — Security by Design

Holistic approach to security and privacy in the cloud looks at the entire ecosystem of living controls from the conception to run-time.

Our Security by Design approach infuses security and privacy into Cloud DNA at every step of the way and in line with all the applicable regulatory requirements.



Our Approach Combines Data, Organization, Processes, and Technology Views



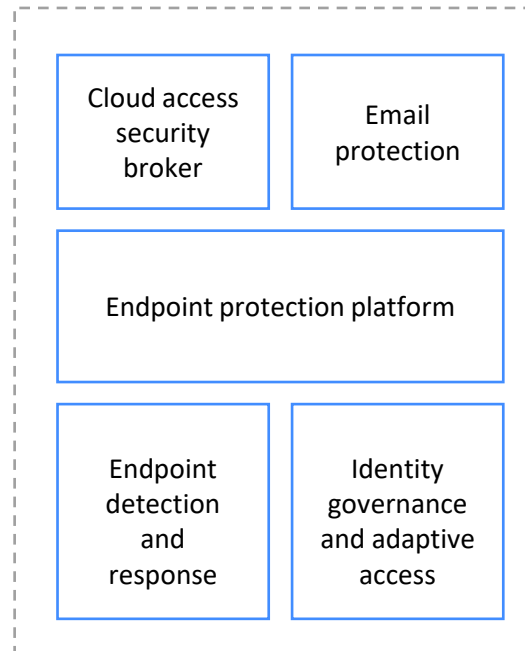
Microsoft 365 Security Assessment

EPAM helps to assess and setup/harden infrastructure to prevent and detect threats, hunt for attacks, and coordinate response across your assets

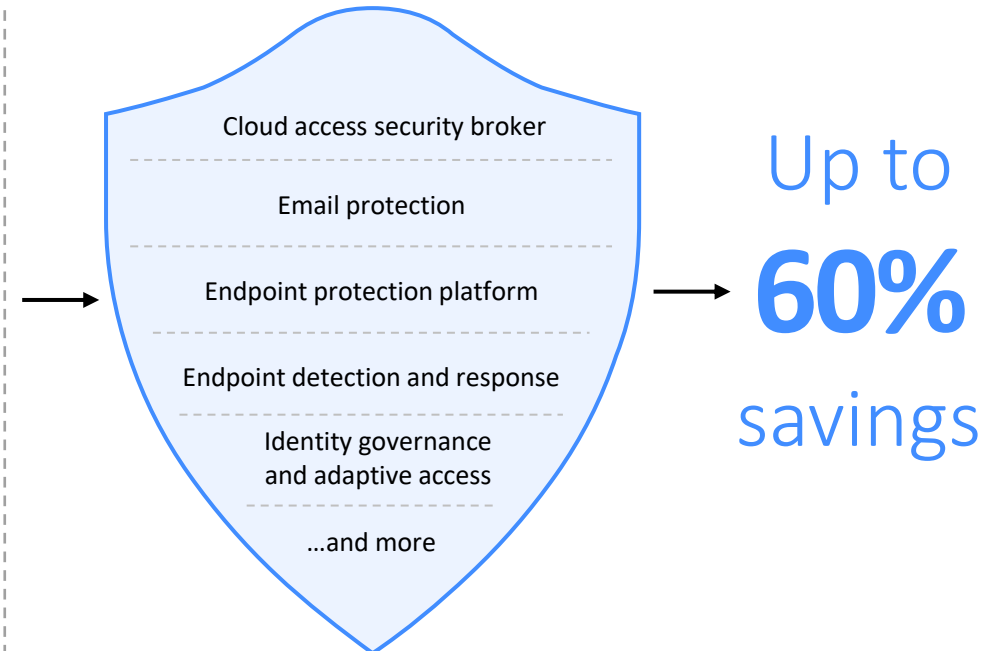
The Intent

- ✓ Establish Cloud Security Objectives and Requirements
- ✓ Microsoft 365 Security Readiness against best practices to facilitate integration of M365 Security functionality
- ✓ Develop prioritized roadmap of actionable steps based on Security Score results

Average multi-vendor Security



Microsoft 365 E5 Security



Up to
60%
savings

Detect and respond across end-user environments

EPAM helps to assess and setup/harden Microsoft 365 Environment to prevent and detect threats, hunt for attacks, and coordinate response across your assets

- Stop attacks before they occur by reducing your attack surface
- Detect and automate across assets, integrating threat data for rapid response
- Hunt and create custom tools using our unique expertise
- View alerts and remediate across your Microsoft 365 environment in a single dashboard
- Leverage SOAR systems (Azure Sentinel) to broaden alert visibility

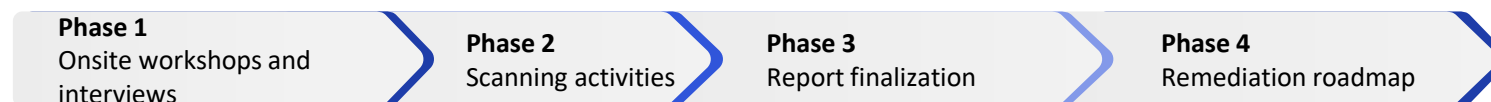


Microsoft 365 Security and Governance Assessment

DESCRIPTION

4-phase engagement includes:

- Assets Discovery
- Workshops and interviews with SMEs and Stakeholders
- Assess information governance and data flows
- Review Identity governance, Azure AD
- Review Exchange, Sharepoint, OneDrive, Teams, MDM/MAM, MCAS, MDATP, Flows, IRM, DLP, Archives, eDiscovery, Message management, Compliance Center, MFA, Teams, Power BI, Dynamics365, encryption configuration settings
- Review Compliance Center, Defender, Secure Score modules
- Assess Microsoft 365 tenant against security best practices, NIST,CIS,CMM benchmarks
- Documentation review and cross-check against Microsoft 365 security implementation
- Backlog development and create a roadmap for hardening Microsoft 365 services



TEAM COMPOSITION

- Microsoft 365 Security Architect
- Microsoft 365 Security Engineer

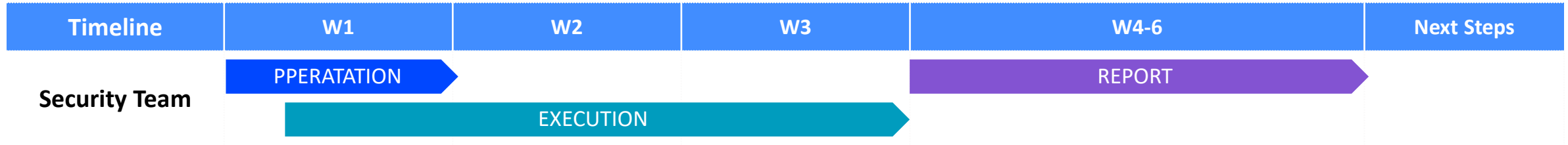
KEY ASSUMPTIONS

- Customer representatives are available as required
- EPAM personnel will be granted a Read-Only access to infrastructure/subscriptions

Deliverables

- Approved scope and requirements agreement
- Approved assessment plan
- Assessment report answering the questions:
 - How 'safe'?
 - Conforms to standards and best practices?
 - How 'scalable'?
 - Verified non-functional requirements
 - How efficient is the CI/CD and SDLC automation?
- Mitigation recommendations overview
- Microsoft 365 Security policy, processes updates recommendations

Timeline for M365 Security Assessment




PHASE	DESCRIPTION	DELIVERABLES
Preparation	Gather the info from the Project Team, define scope, set up toolset	<ul style="list-style-type: none"> Stakeholders identified, scope identified, all available information collected, required access granted, tools and frameworks set up. Scope and requirements are discussed Assessment plan approved
Execution	Automatic security check along with manual validation is performed to discover security issues	<ul style="list-style-type: none"> Security assessment is completed Gaps and vulnerabilities identified
Reporting	All disclosed issues are summarized and classified in Security Reports. Cloud Team knowledge transfer	<ul style="list-style-type: none"> Security Assessment Report is created Mitigation recommendations are provided Results discussed and clarified with Cloud Team
Remediation	Mitigation recommendations are developed by Security Team and discussed with Cloud Team. Security Program Roadmap is developed	<ul style="list-style-type: none"> Security Program Roadmap is discussed and clarified with stakeholders

Microsoft Solutions Partner


EPAM is recognized by Microsoft for demonstrated expertise in creating and delivering innovative solutions using Microsoft technologies to help customers solve complex business challenges.

15+
YEARS OF PARTNERSHIP




Digital & App Innovation | Azure

- DevOps with GitHub
- Kubernetes on Azure
- Migrate Enterprise Apps to Microsoft Azure
- Low Code Application Development
- Build and Modernize AI Apps with Microsoft Azure




Data & AI | Azure

- Analytics
- AI and Machine Learning
- Infra and Database Migration




Infrastructure | Azure

Infra and Database Migration



Security

- Cloud Security
- Threat Protection



Business Applications

- Low Code Application Development
- Intelligent Automation



2023
MICROSOFT PARTNER OF THE YEAR



MSUS Winner for Migration on Azure



MSUS Finalist for Application Modernization



Global Finalist for Retail & Consumer Goods

EPAM Cyber Security Practice

EPAM Key Facts

10+

YEARS OF
EXPERIENCE

20+

GLOBAL DELIVERY
CENTERS

300+

ACTIVE PROJECTS

Our Offerings

- Cloud Security
- Application Security, Secure SDLC
- Data Security
- Security Testing
- MDRS & SOC
- Governance, Risk & Compliance

Partnerships



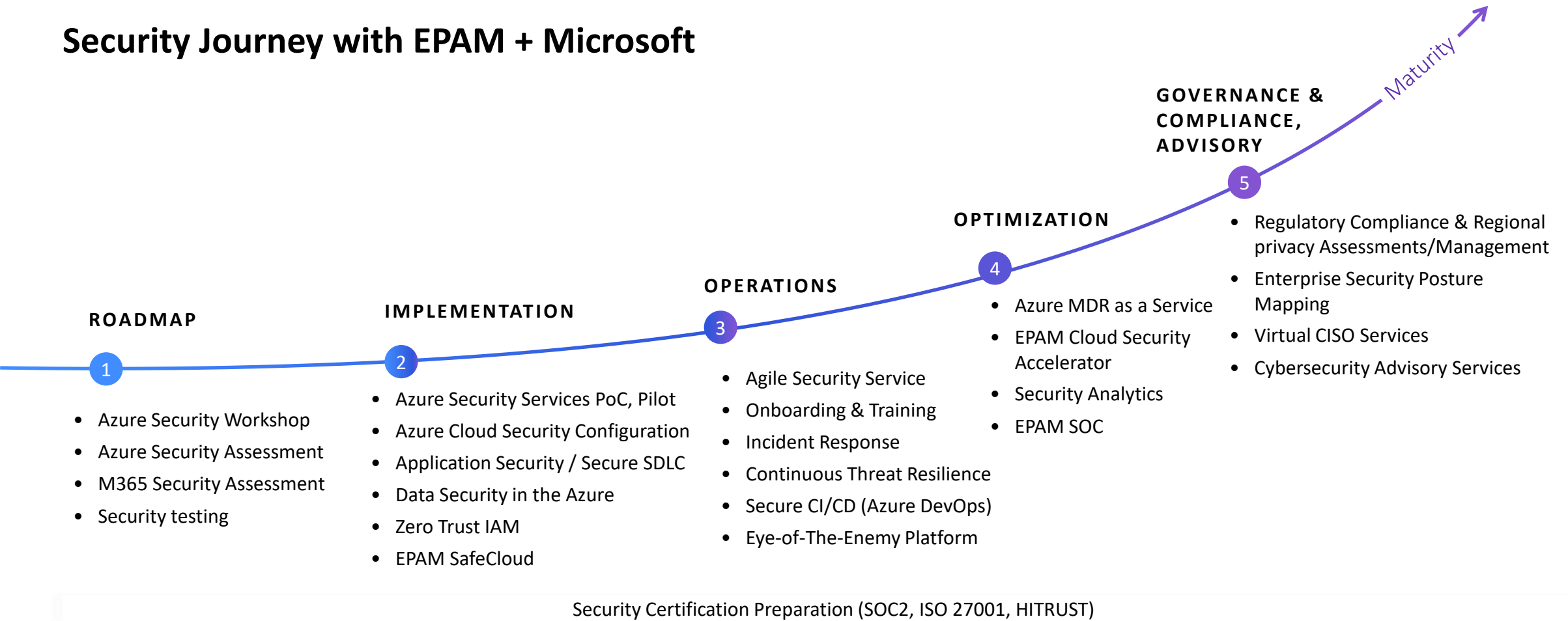
Highlights

- Digital, application and hybrid cloud engineering heritage
- Full spectrum combining advisory and tactical services and technologies
- Continuous improvement compliance and risk management
- Wide-and-deep research-based security expertise

Experience Across Industries

- Financial Services
- Telecom, Media & Entertainment
- Consumer
- Life Sciences & Healthcare
- Travel & Hospitality
- Industrial
- Insurance
- Software & Hi-Tech

Security Journey with EPAM + Microsoft



Based On

TALENT

PARTNERS

METHODS & FRAMEWORK

ACCELERATORS

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| Engineering
the future

