Saudi Cybersecurity Compliance with Microsoft Solutions

Ensuring Regulatory Readiness and Data Protection with Microsoft's Advanced Cybersecurity Tools

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Agenda

1. Introduction to Saudi Security Compliance
2. Overview of Key Regulations
3. Challenges in Compliance
4. Microsoft Solutions for Compliance
5. Demonstrating Compliance
6. Key Takeaways
7. Q&A Session

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Introduction to Saudi Compliance

Why Compliance Matters

Safeguard sensitive information

Avoid regulatory penalties

Build trust with stakeholders

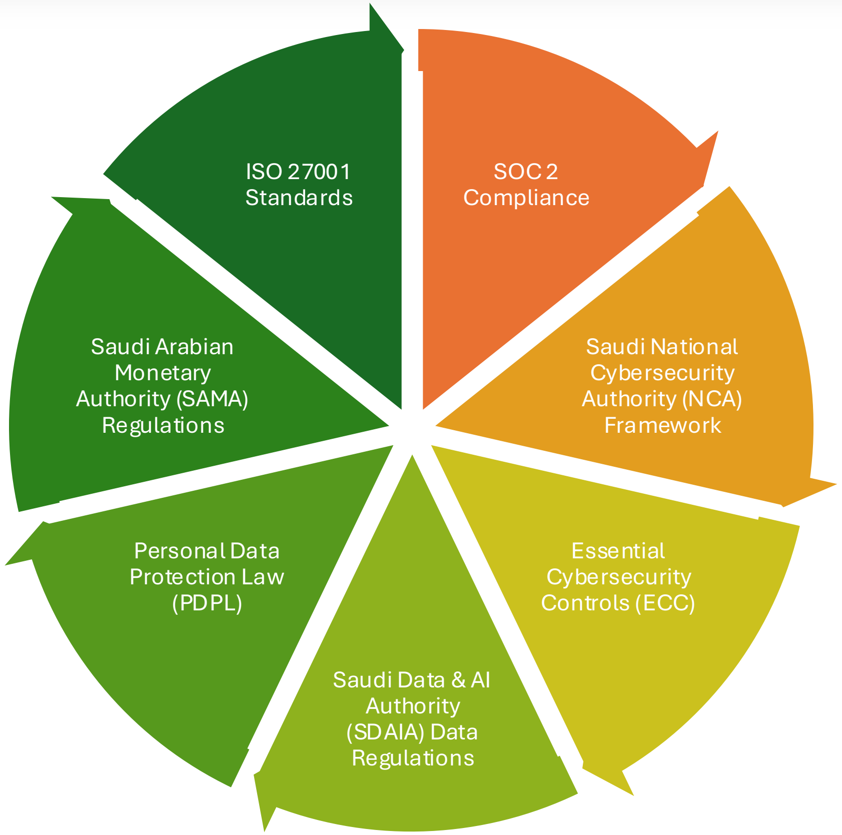
Key Saudia Regulations

National Cybersecurity Authority (NCA) Compliance Standards

Personal Data Protection Law (PDPL)

SAMA Cybersecurity Framework

Overview of Key Regulations



ISO 27001 Standards

SOC 2 Compliance

Saudi National Cybersecurity Authority (NCA) Framework

Essential Cybersecurity Controls (ECC)

Saudi Data & AI Authority (SDAIA) Data Regulations

Personal Data Protection Law (PDPL)

Saudi Arabian Monetary Authority (SAMA) Regulations

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Importance of Compliance

- **Key Points**
  - Protect Critical Asset
  - Mitigate Cyber Attacks
  - Align with Global Standards

- **Common Factors in All Frameworks**
  - Emphasis on data confidentiality, integrity and availability
  - Continuous monitoring and improvement
  - Risk-based approach to security

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Challenges in Achieving Cybersecurity Compliance

- Fragmented security measures
- Lack of centralized monitoring
- Gaps in identity and access management
- Difficulty in maintaining compliance documentation
- Increasing sophistication of cyber threats

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Microsoft Solutions for Cybersecurity Compliance

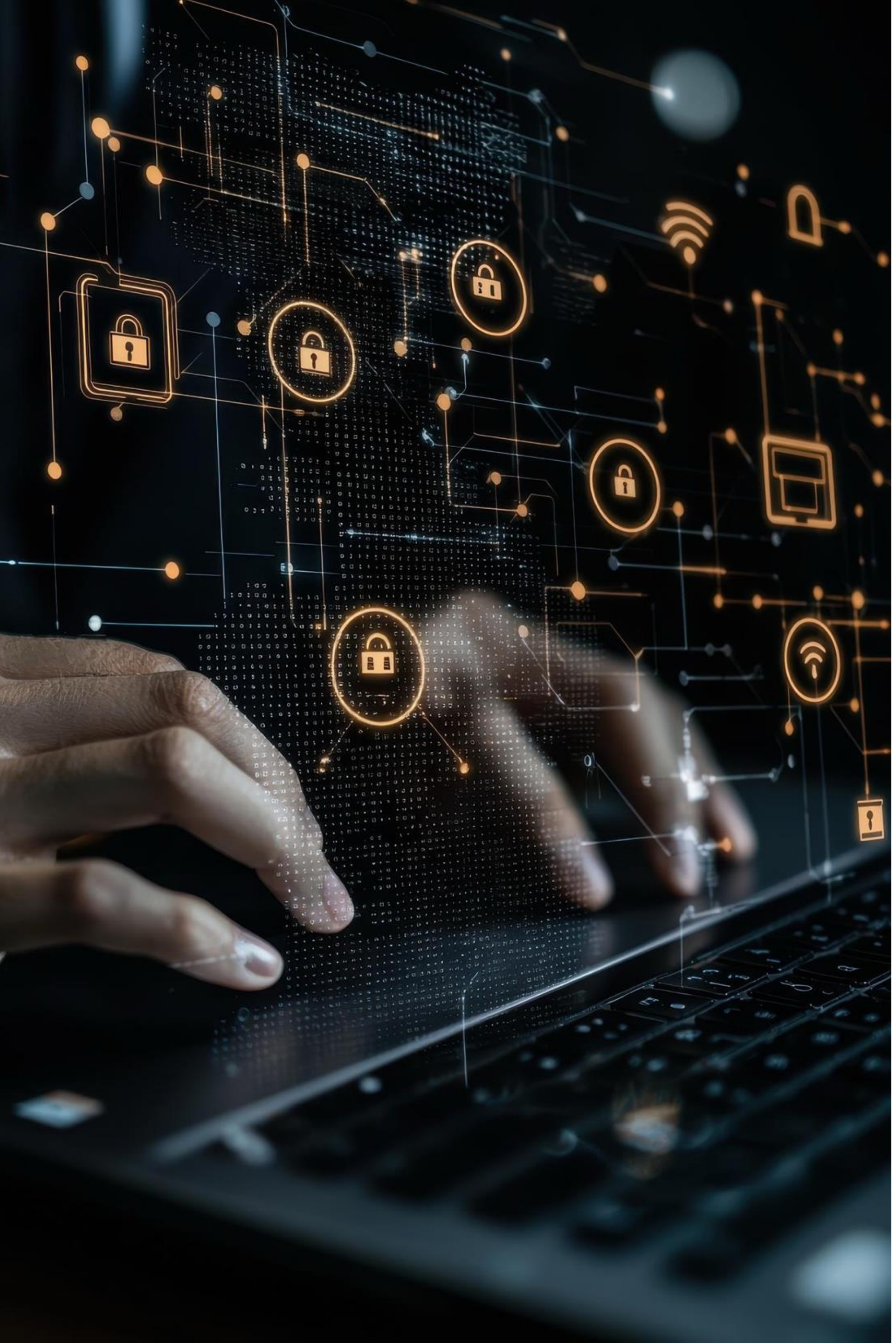
Identity and Access Management: Microsoft Entra (Azure AD)

Endpoint Protection: Microsoft Defender for Endpoint

Data Protection: Microsoft Purview

Compliance Management: Microsoft Purview

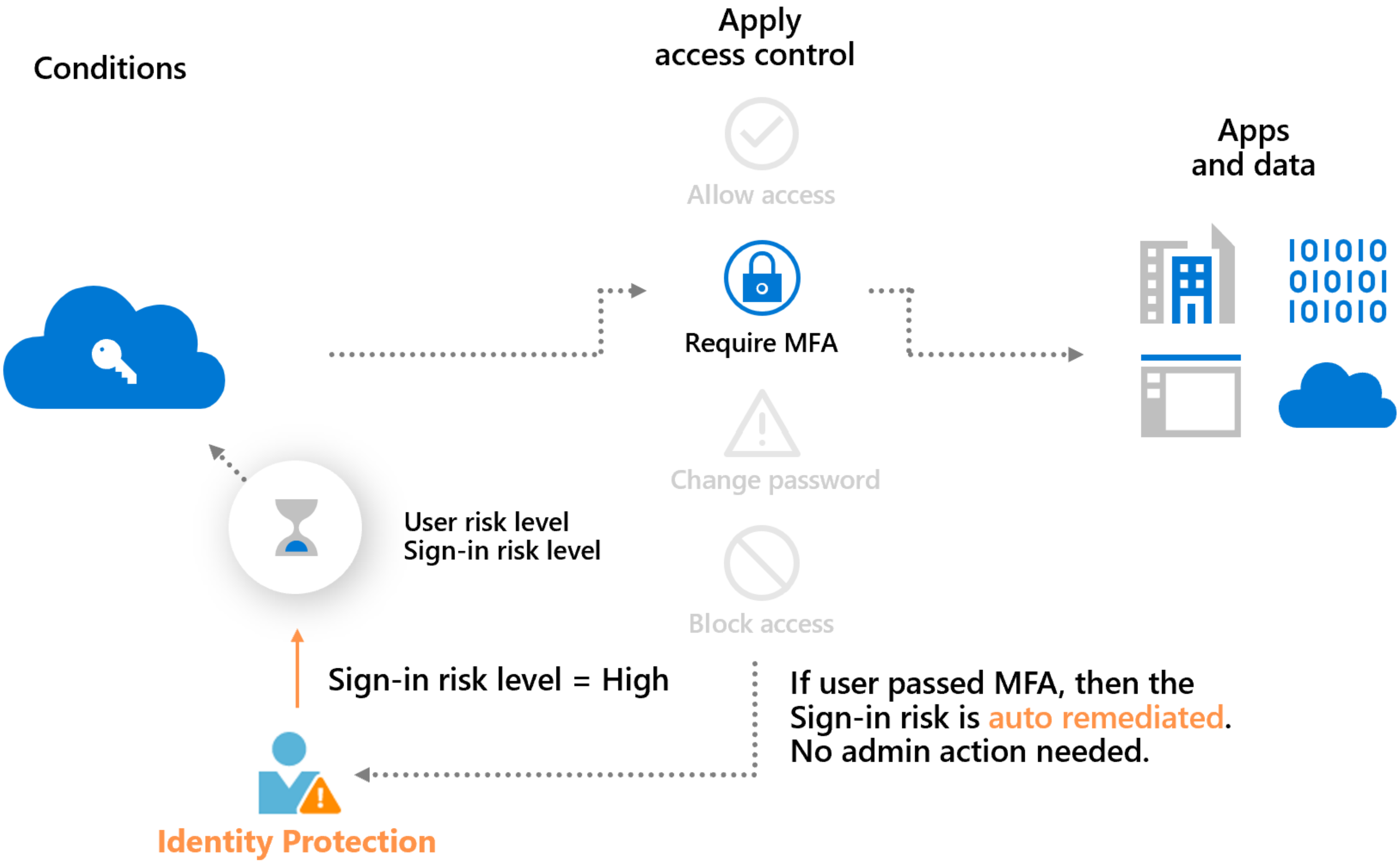
Cloud Security: Azure Security Center and Sentinel



Identity and Access Management with Microsoft Entra

- **Capabilities**
  - Multifactor Authentication
  - Conditional Access Policies
  - Role Based Access Control (RBAC)

- **Compliance Alignment**
  - NCA's ECC 3.4.2: Identity Management
  - PDPL Clause 3.3: Ensuring secure user authentication methods to protect personal data access
  - SAMA Cybersecurity Framework Domain 3.3: Secure access controls to ensure only authorized personnel access sensitive systems



Conditions

Apply access control

Allow access

Require MFA

Change password

Block access

Apps and data

User risk level
Sign-in risk level

Sign-in risk level = High

If user passed MFA, then the Sign-in risk is auto remediated. No admin action needed.

Identity Protection

Protecting Endpoints with Microsoft Defender

- **Capabilities**
  - Real Time threat detection
  - Automated response & remediation
  - Threat and Vulnerability Management

- **Compliance Alignment**
  - ECC 3.5.1: End Point Protection
  - PDPL Clause 3.2: Ensuring technical measures are in place to protect personal data and prevent unauthorized access
  - Aligning with NCA's incident response requirements

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Microsoft Defender

Cross-domain security

On-prem & Cloud Identities

Endpoints & IoT

Email and collaboration

Cloud apps

Compliance

Enable rapid response with XDR-prioritized incidents

Disrupt advanced attacks at machine speed

Unify security and identity access management

Built-in preventative controls and posture management

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Data Protection and Governance with Microsoft Purview

- **Capabilities**
  - Data Loss Prevention (DLP)
  - Information Protection and Encryption
  - Records Management

- **Compliance Alignment**
  - PDPL's data handling requirement
  - ECC 3.7.1 Data Protection & Classification
  - SAMA Cybersecurity Framework Domain 2.4: Data classification and management to safeguard critical business information

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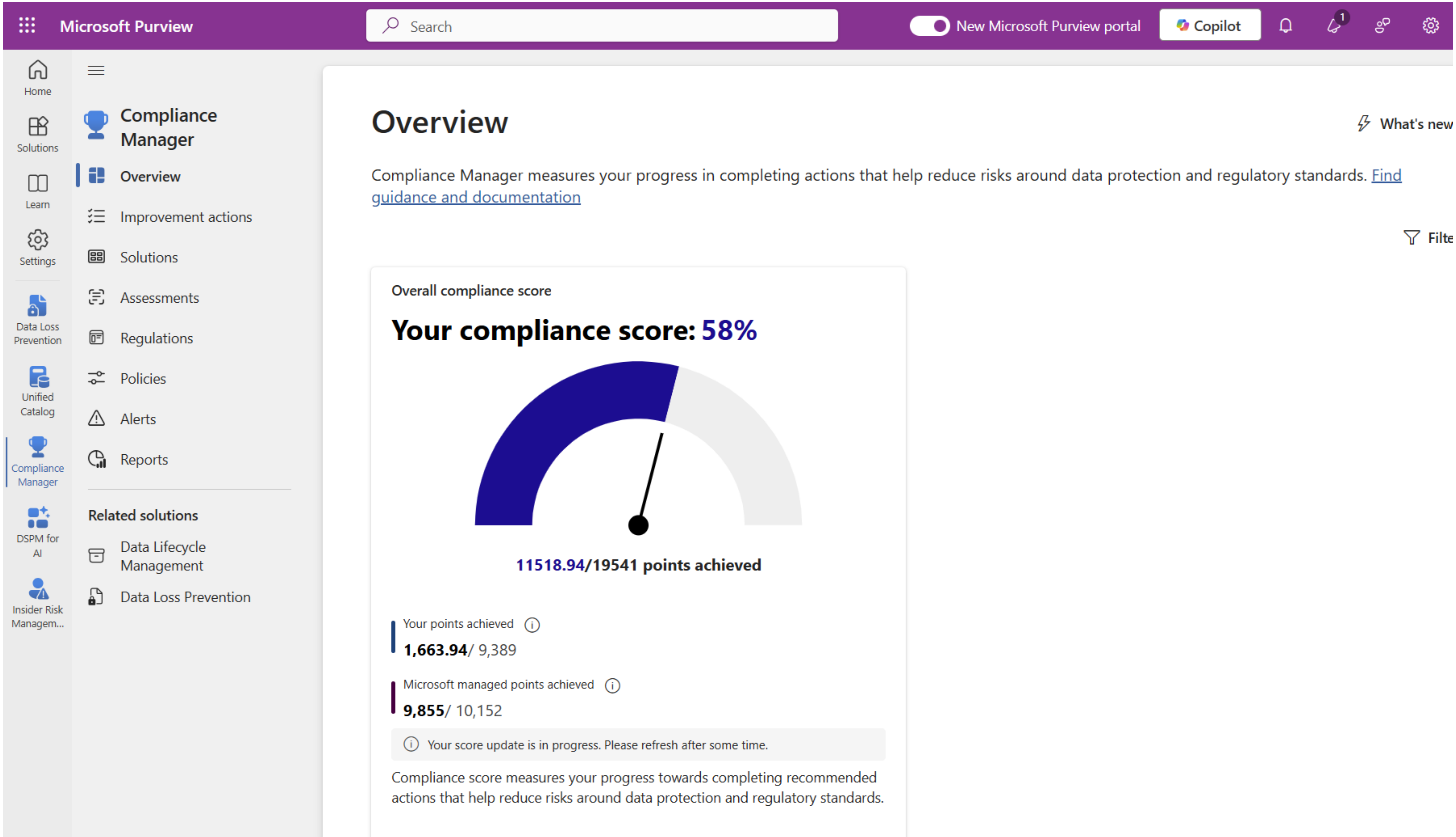

Overview

Compliance Manager measures your progress in completing actions that help reduce risks around data protection and regulatory standards. Find guidance and documentation

Overall compliance score

Your compliance score: 58%

11518.94/19541 points achieved

Your points achieved
1,663.94/ 9,389

Microsoft managed points achieved
9,855/ 10,152

Your score update is in progress. Please refresh after some time.

Compliance score measures your progress towards completing recommended actions that help reduce risks around data protection and regulatory standards.

Advanced Threat Detection with Microsoft Sentinel

- **Capabilities**
  - SIEM
  - AI driven threat detection
  - Integration with third-party tools

- **Compliance Alignment**
  - ECC 4.1.2: Monitoring and Incident Management
  - Rapid threat response to comply with compliance requirements
  - SAMA Cybersecurity Framework Domain 5.1: Continuous monitoring and timely response to cyber threats

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Microsoft Sentinel

Empowering the SOC with next-gen SIEM

Get **unlimited cloud speed** and **scale**

Level up with **Microsoft Intelligence**

Detect and **respond** efficiently

Protect your entire digital estate

Native integration with Microsoft XDR

Powered by the cloud and AI

Comprehensive capabilities

Cloud scale protection

Analytics powered by built-in UEBA and ML

Integrated threat intelligence

Automated detection, investigation and remediation

Proactive threat hunting

Ecosystem integration

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Demonstrating Compliance with Microsoft Purview

Features

- ➢ Pre-built assessment template for Saudi regulations
- ➢ Real time compliance scoring
- ➢ Workflow automation for audit readiness

Benefits

- ➢ Simplified documentation
- ➢ Reduced audit preparation time
- ➢ Streamlined Compliance processes
- ➢ Improved Data Visibility

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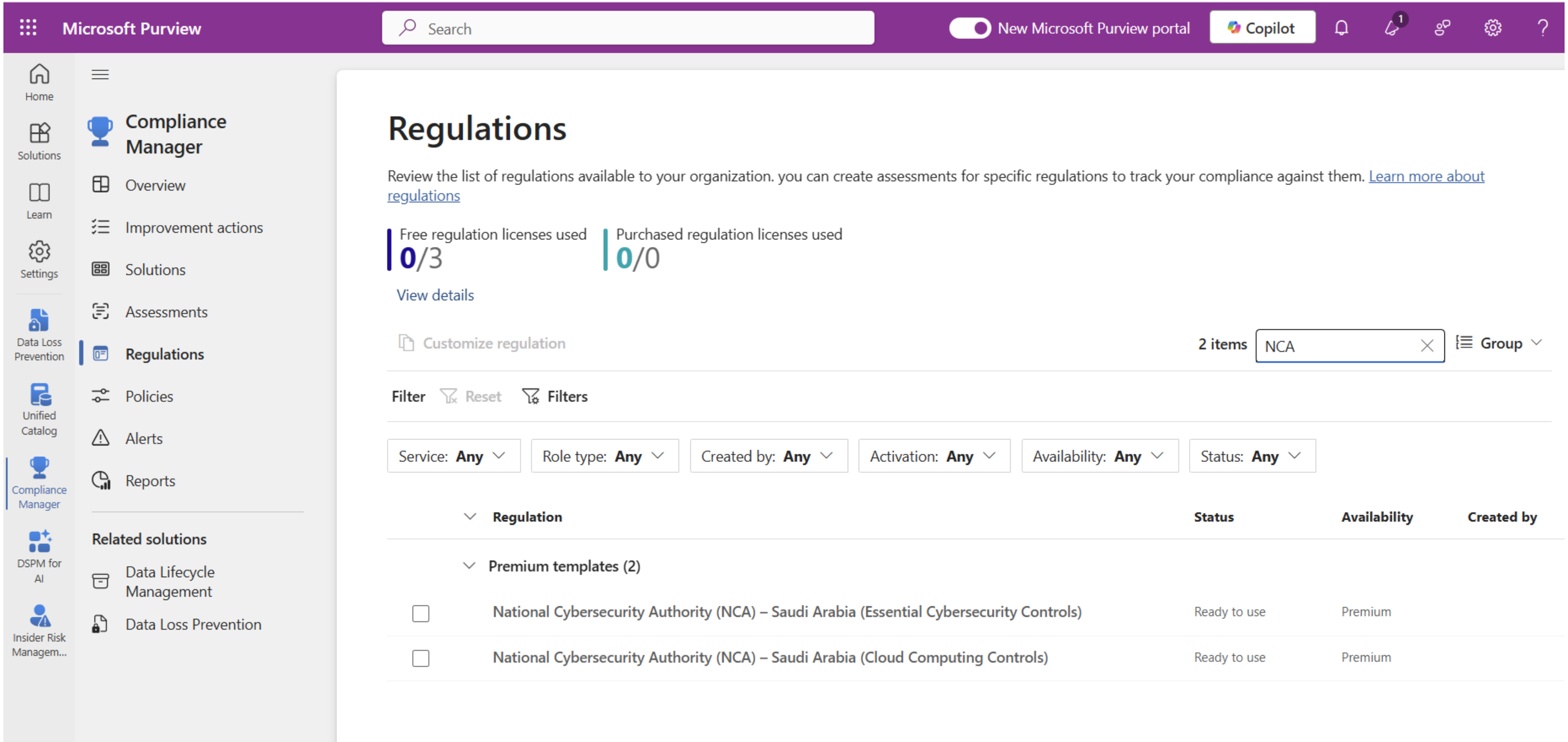

Regulations

Review the list of regulations available to your organization. you can create assessments for specific regulations to track your compliance against them. Learn more about regulations

Free regulation licenses used **0**/3

Purchased regulation licenses used **0**/0

View details

Customize regulation

2 items NCA

Group

Filter Reset Filters

Service: **Any** Role type: **Any** Created by: **Any** Activation: **Any** Availability: **Any** Status: **Any**

	Regulation	Status	Availability	Created by
	Premium templates (2)			
□	National Cybersecurity Authority (NCA) – Saudi Arabia (Essential Cybersecurity Controls)	Ready to use	Premium	
□	National Cybersecurity Authority (NCA) – Saudi Arabia (Cloud Computing Controls)	Ready to use	Premium	

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Microsoft's Commitment to Saudi Regulations

Microsoft's Commitment	Description
Local Data Centers in Saudi Arabia	Azure and Microsoft 365 services hosted locally to ensure data residency and sovereignty.
Adherence to Saudi Sovereign Cloud Requirements	Meeting regulatory requirements to protect Saudi-sensitive data and maintain control locally.
Continuous Updates to Align with NCA Frameworks	Ensuring Microsoft services are updated to comply with the latest Saudi cybersecurity standards.
Compliance with PDPL Requirements	Built-in tools and features to meet Saudi Personal Data Protection Law mandates.
Support for NCA's Essential Cybersecurity Controls (ECC)	Providing built-in solutions to address key ECC requirements for security and compliance.
ISO 27001 and SOC 2 Certifications	Globally recognized certifications to support local compliance and security needs.
Advanced Data Residency Options	Flexible data residency and management capabilities for Saudi customers.

Veraqor: Your Partner in Saudi Cybersecurity Compliance

We design and implement tailored cybersecurity solutions using Microsoft technologies, aligned with your specific business needs and compliance requirements.

As a Microsoft Solutions Partner, we have deep expertise in Microsoft security products like Entra ID, Defender, and Purview.

We conduct comprehensive cybersecurity assessments to identify vulnerabilities and gaps, helping you achieve and maintain compliance.

We provide customized training and awareness programs to educate your employees on cybersecurity best practices and compliance requirements.

Key Takeaways

- Aligning cybersecurity with compliance is essential for business success
- Microsoft offers integrated tools to simplify compliance and enhance security
- Proactive compliance with Microsoft Solutions
- Continuous monitoring and updates ensure long-term compliance
- Improved cybersecurity posture
- Reduce Compliance Costs

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Thank you.

Why Veraqor?

Veraqor Core Capabilities:
Cybersecurity
Data & AI
Digital Apps & Innovation

Microsoft Solutions Partner for:
Data & AI
Digital Apps & Innovation

Over 15+ years of working experience

Discover our impact >> https://www.veraqor.io

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