



#### MICROSOFT ENTRA PRODUCT FAMILY

Secure your entire identity infrastructure with identity management and beyond. Protect your business with decentralized identity, identity protection, governance and more in a multi-cloud environment.



#### **Azure Active Directory**

Secure and manage identities to connect them with apps, devices and data.



#### **Permissions Management**

Discover, remediate, and monitor permission risks for any identity or resource.



#### Verified ID

Create, issue and verify decentralized identity credentials for secure interactions.



#### Workload Identities

Manage, secure and govern your workloads with Azure AD Workload Identities.



#### **Identity Governance**

Manage access rights with entitlement management, access reviews and lifecycle workflows.

## HIGHLIGHTS OF MICROSOFT IGNITE 2022 MICROSOFT ENTRA



ZERO TRUST & CONDITIONAL ACCESS



SECURING DEVOPS AND WORKLOAD IDENTITIES



IDENTITY LIFECYCLE & GOVERNANCE

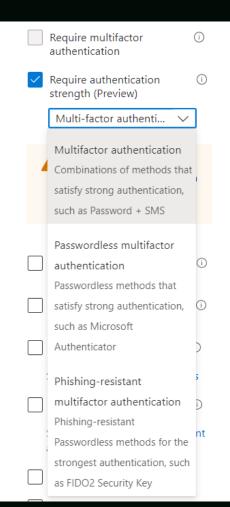


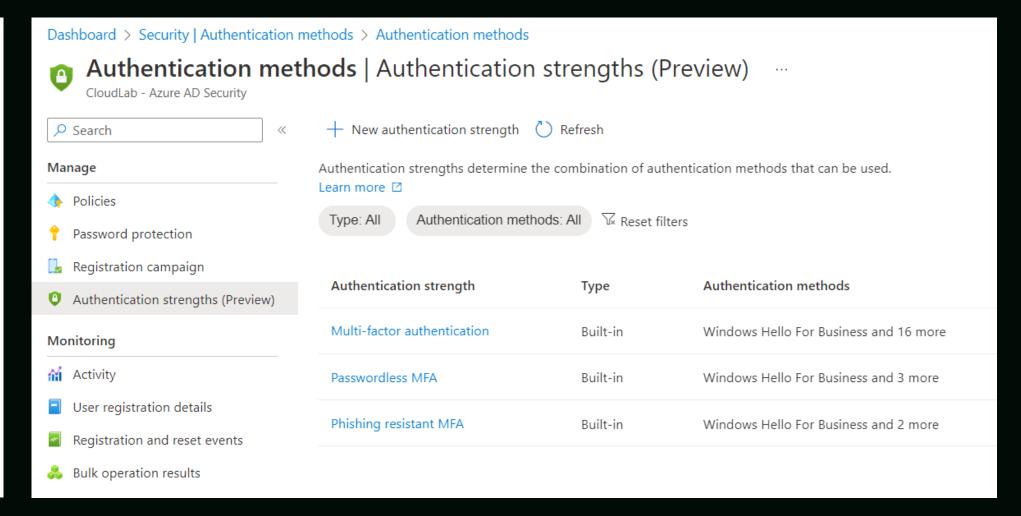
MODERNIZING IDENTITY
& MIGRATE FROM ON-PREM



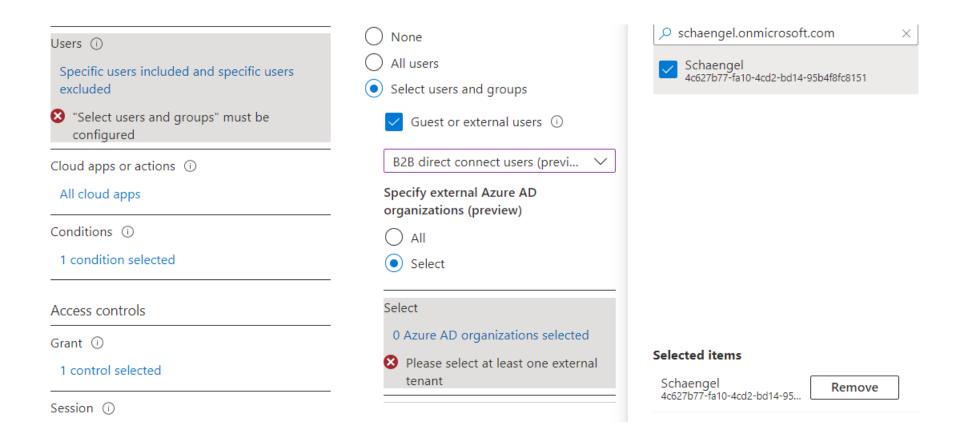
## ZERO TRUST AND CONDITIONAL ACCESS

#### ZERO TRUST AND CONDITIONAL ACCESS NEW CONDITIONS AND CONTROLS





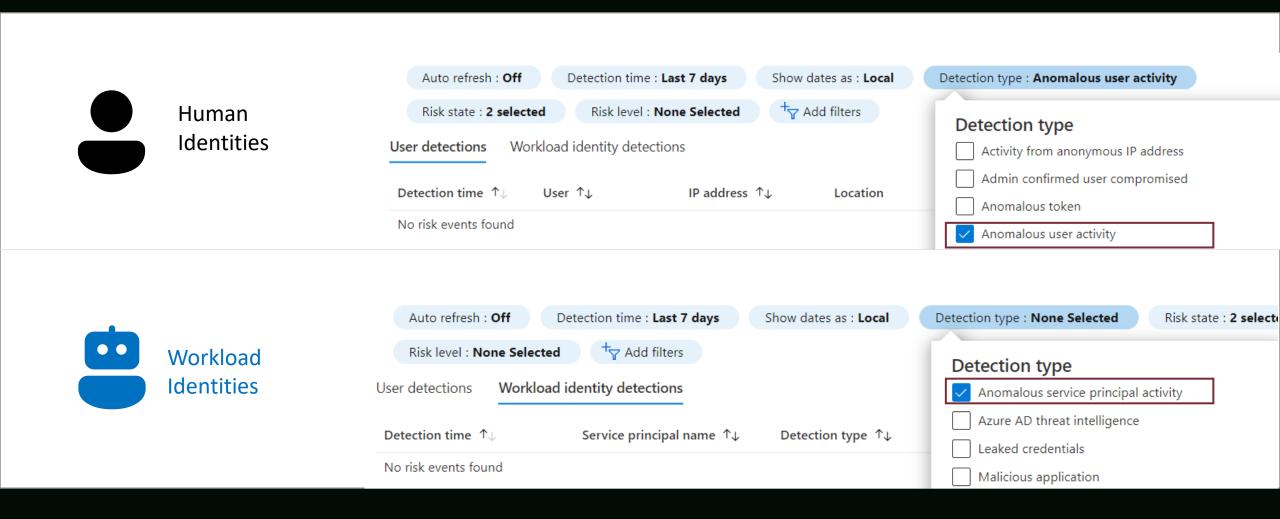
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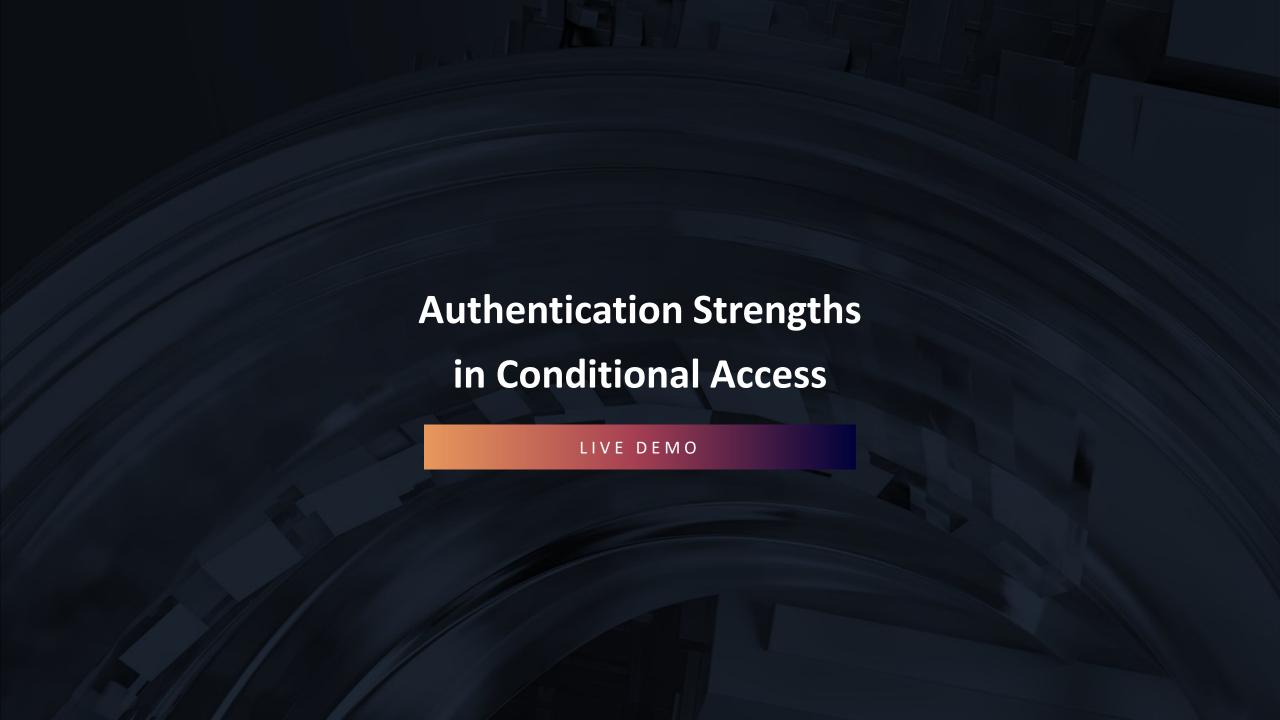


#### ZERO TRUST AND CONDITIONAL ACCESS IMPROVEMENTS ON ENDPOINTS

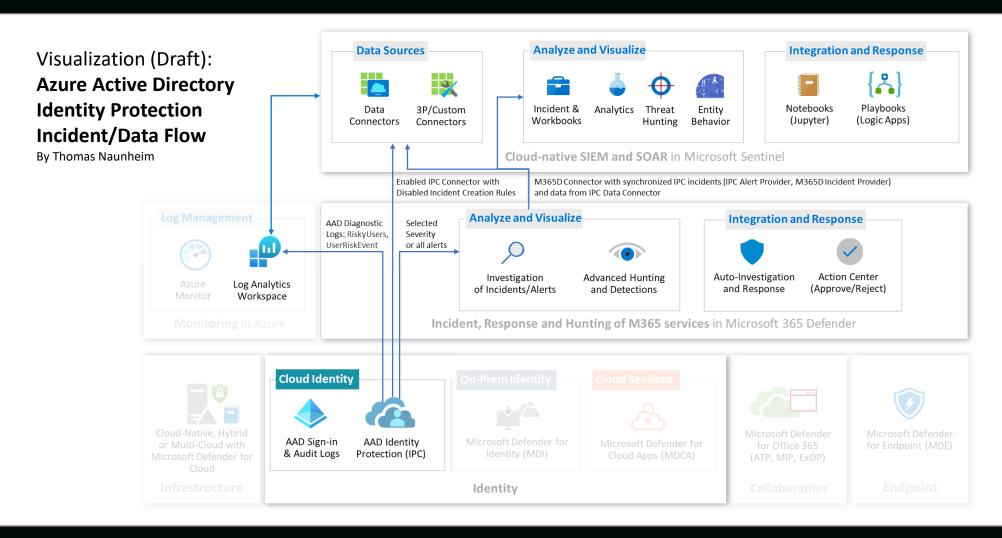
- Windows LAPS and Azure Active Directory
  - Available only in Windows 11 Insider Preview Build 25145 and later
  - Deploy and configure policy for LAPS via Microsoft Endpoint Manager Intune or manually
  - Retrieve and store password in Azure AD (Microsoft Graph: Device.LocalCredentials.\*)
- Intune Endpoint Privilege Management (part of Intune Premium)
  - Manage and elevate standard users' permission to admin (to perform specific task)
  - For example, Install applications or peripheral devices (e.g. printers)

#### ZERO TRUST AND CONDITIONAL ACCESS NEW IDENTITY PROTECTION DETECTION TYPES!?





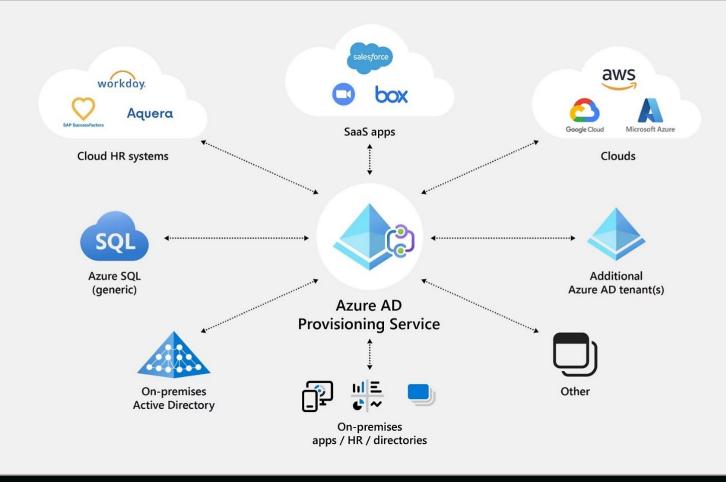
#### ZERO TRUST AND CONDITIONAL ACCESS IPC-INTEGRATION IN M365 DEFENDER PORTAL



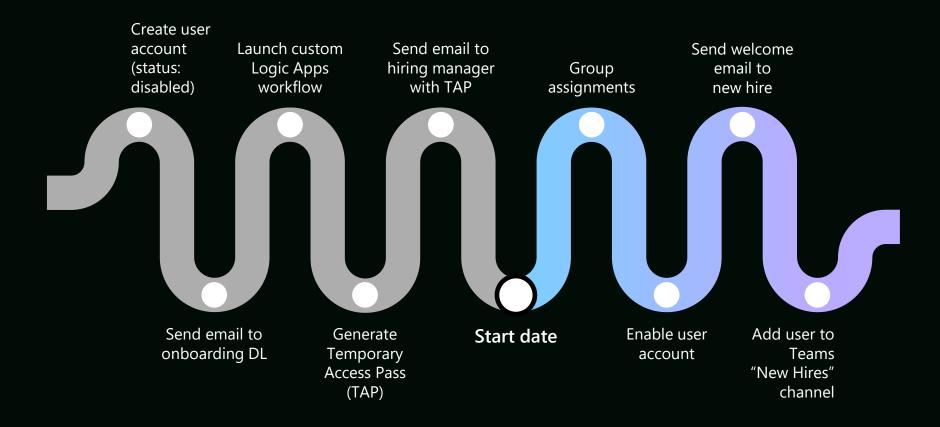


## IDENTITY LIFEYCLE & GOVERNANCE

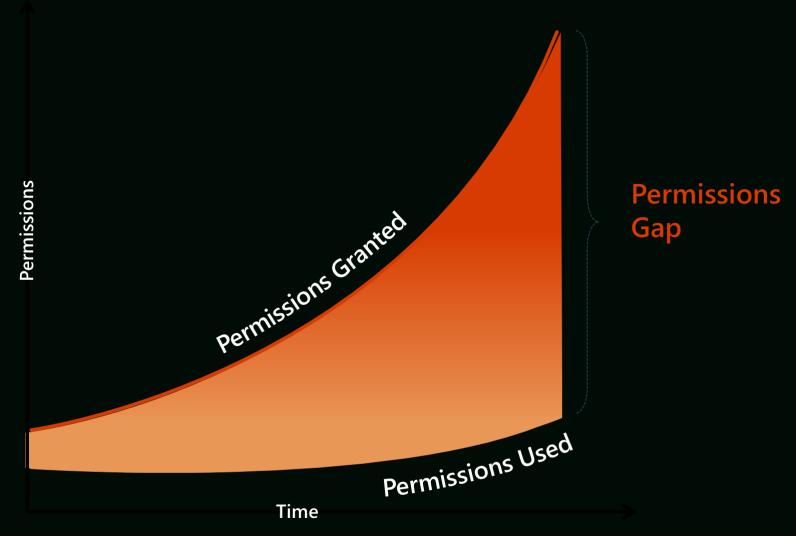
### MICROSOFT ENTRA IDENTITY GOVERNANCE IN PUBLIC PREVIEW



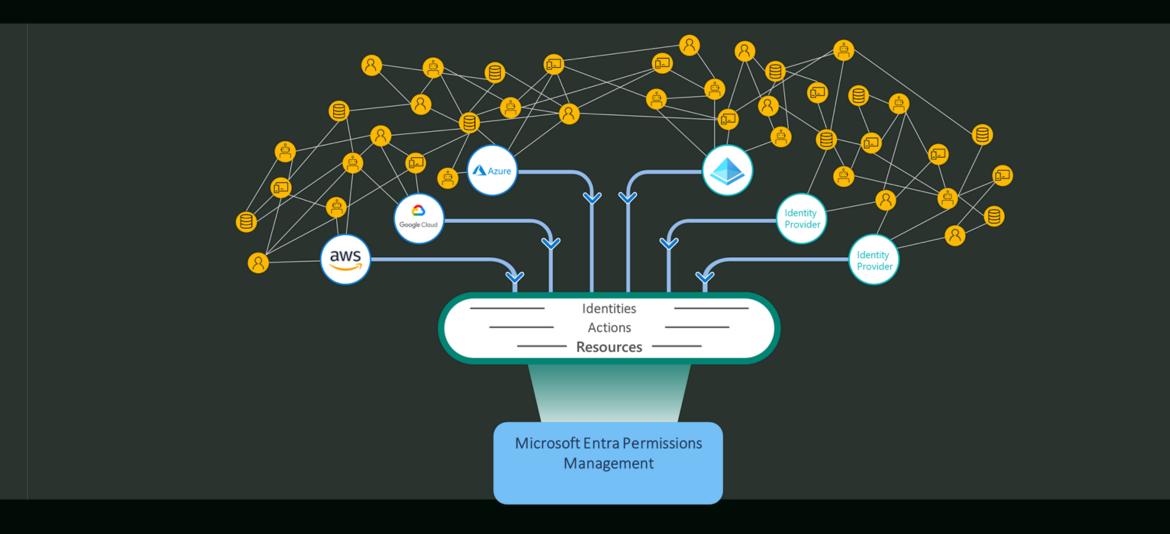
#### IDENTITY LIFECYCLE & GOVERNANCE LIFECYCLE WORKFLOWS



## IDENTITY LIFECYCLE & GOVERNANCE PERMISSIONS MANAGEMENT



### IDENTITY LIFECYCLE & GOVERNANCE PERMISSIONS MANAGEMENT IN MULTI-CLOUD ENVIRONMENTS



# **Identity Workflows and Entra Permissions Management**



#### SECURING WORKLOAD IDENTITIES ANNOUNCEMENTS

#### Challenges of securing workload identities



No defined joiner/mover/leaver lifecycle to manage



Higher potential for leaked secrets or credentials



Lacking capabilities for managing access to resources

# Ratio of user identities vs. workload identities - User Identity - Workload Identity 1:5 today 1:20 in five years

Source: Microsoft Security internal research 2021

### SECURING WORKLOAD IDENTITIES ANNOUNCEMENT

CA, IPC and Access Reviews will be generally available in November 2022



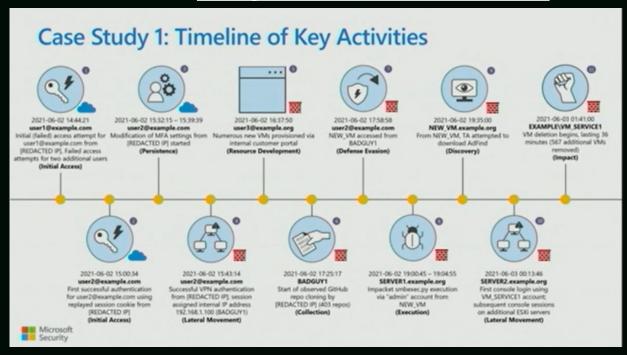
#### SECURING DEVOPS PLATFORMS MICROSOFT DEFENDER FOR DEVOPS

- Microsoft Defender for DevOps
  - Available for GitHub (Enterprise) and Azure DevOps
  - Manage posture management and critical issues in supply chain (incl. pipelines)
  - More DevOps platforms will be supported in future
- GitHub Advanced Security for Azure DevOps
  - CodeQL code scanner to identify vulnerabilities
  - Identify and fix exposed secrets and vulnerable open-source dependencies

# **Microsoft Entra Workload Identities Security Attack Explorer**

#### MICROSOFT SECURITY RECOMMENDED SESSION

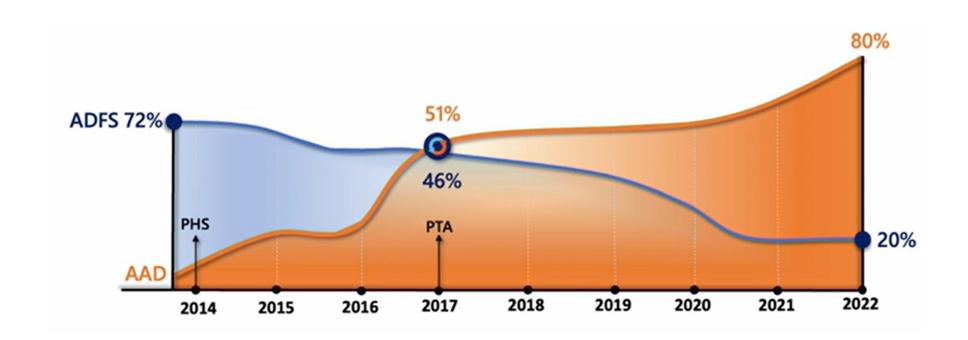
Stories from DART: <u>Taking the ware out of ransomware</u>





## MODERNIZE IDENTITY & MIGRATE FROM ON-PREM

#### MODERNIZE IDENTITY & MIGRATE FROM ON-PREM MIGRATING ADFS APPS TO AZURE AD



#### MODERNIZE IDENTITY & MIGRATE FROM ON-PREM BEYOND AD FS: CAPABILITIES IN AZURE AD



Azure AD capabilities

Access Governance & Access Reviews

**Identity Protection** 

**Continuous Access Evaluation** 

B2B Guest Access to Apps

**Passwordless** 

**User Provisioning to Applications (SCIM)** 

Microsoft managed service with 99.99% uptime

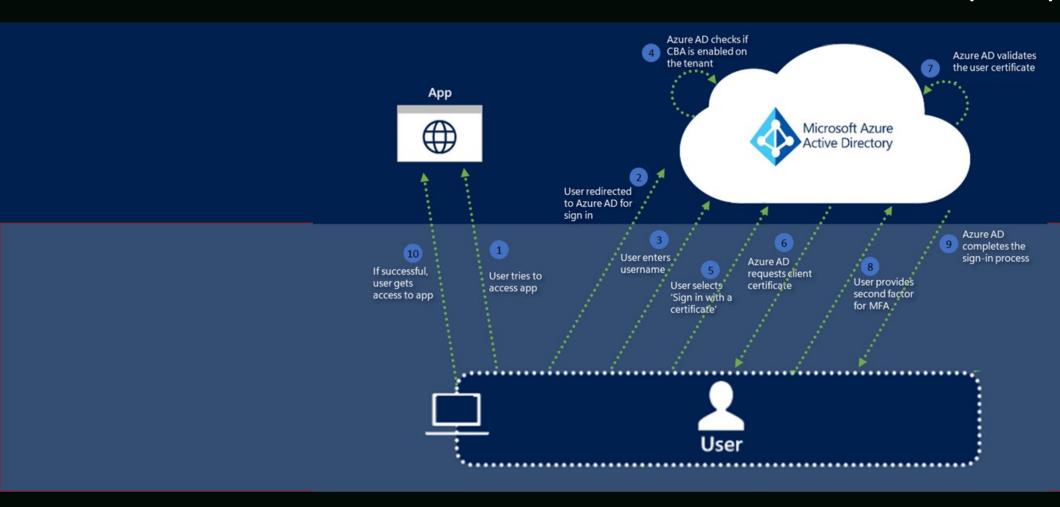
**Advanced Conditional Access Policies** 

Single Sign-On

**Basic Conditional Access Policies** 

Single Sign-On

## MODERNIZE IDENTITY & MIGRATE FROM ON-PREM CERTIFICATE-BASED AUTHENTICATION (CBA)









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