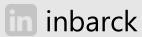


# Conditional Accessauthentication strength

The 425 Show edition

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# **Topics**

Introduction
Sign-in experience deep dive
Troubleshooting
Common policies

### **Entra ID Authentication methods**

#### Bad:

**Password** 

123456

qwerty

password

iloveyou

Password1

#### Good:

Password and...



**SMS** 



Voice

#### **Better:**

Password and...



Microsoft Authenticator



Software Tokens OTP



Hardware Tokens OTP

#### **Best:**

Passwordless and Phishing-resistant



Windows Hello \*



FIDO2 security key \*



Certificate-based authentication\*



Microsoft Authenticator

\* Phishing-resistant MFA



# **Auth Strength 101**





Sign-in experience deep dive



## What do we check during sign-in?



Authentication Strength requirements



Authentication methods policy (New and legacy)



Registered methods

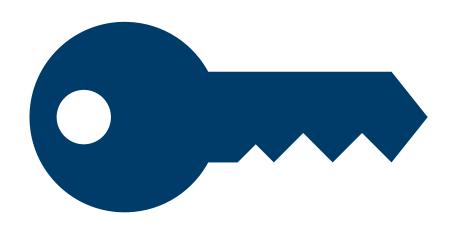


Previously used methods

# Sign-in results



## **Authentication prompt**



- Conditional Access policy elevation post primary authentication
- Methods availability
  - · 1st and 2nd factor
  - · External users
- Federated users

### Registration

- My Security Info wizard mode
- Need to meet registration requirements (MFA, auth strength)
- Passwordless and phishing-resistant methods registration
- Other registration policies (SSPR, Identity Protection)



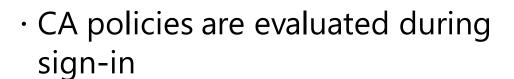
#### **Block access**



- · User is not allowed to use any of the required methods.
- · User has used the "wrong" 1st factor.
- User has not registered a passwordless method.
- User has used FIDO2 key that doesn't meet the required AA GUID.

# A few more things to keep in mind





- Multiple Auth Strength policies
  - · Any resource
  - Security info



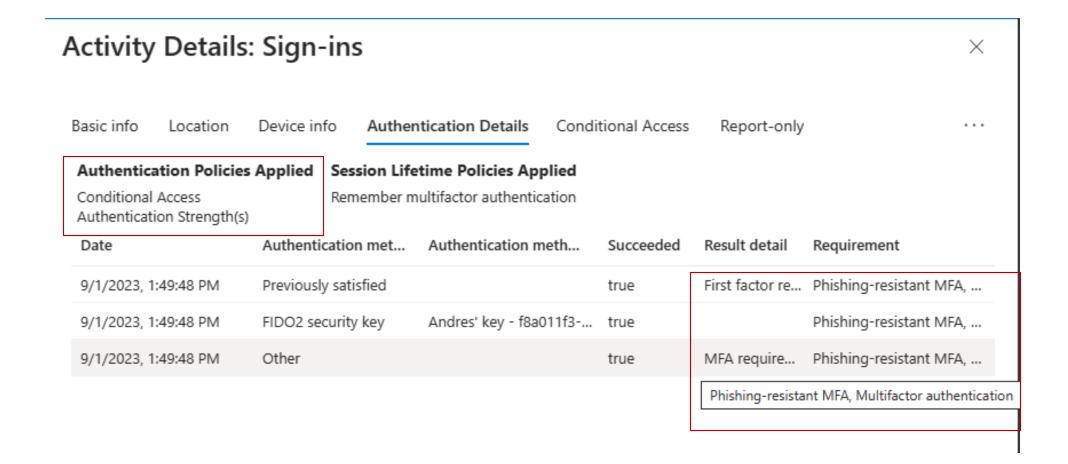
Auth Strength + Cross-tenant Access Settings



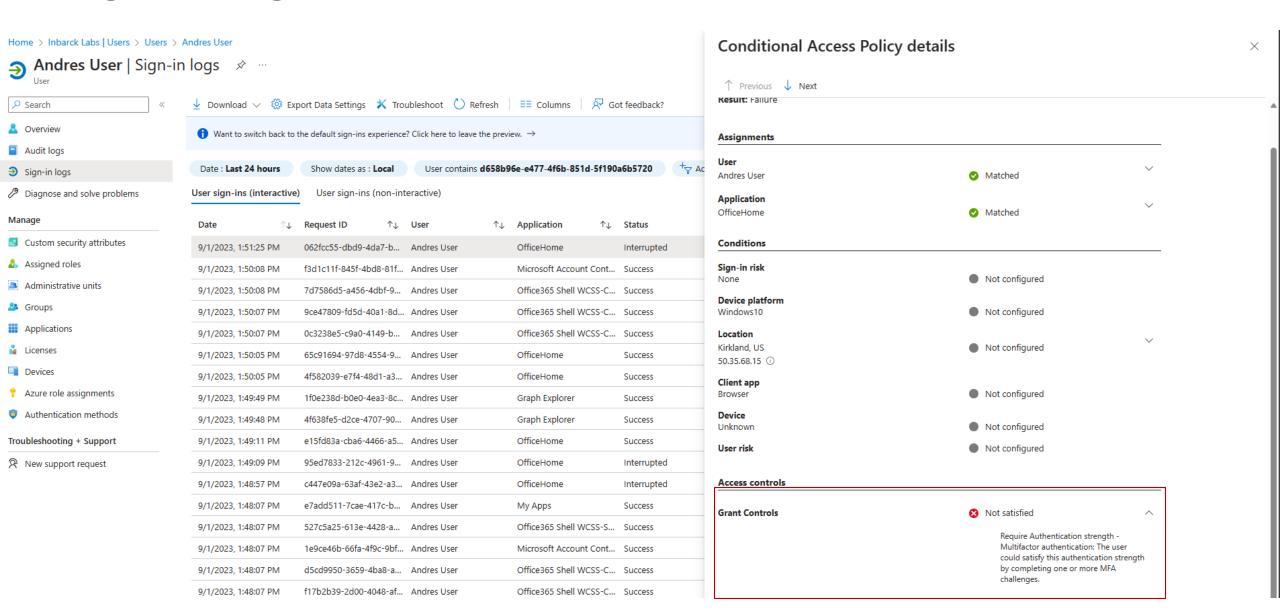
# Troubleshooting



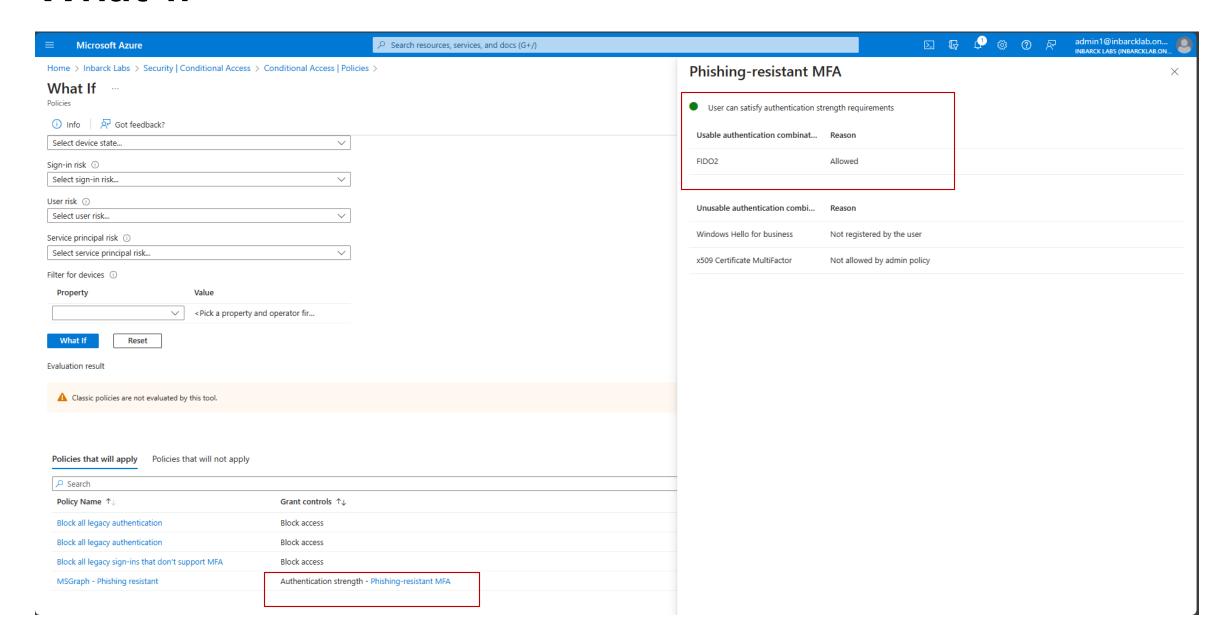
## Sign-in logs – Authentication Details



# Sign-in logs – Conditional Access



### What-if

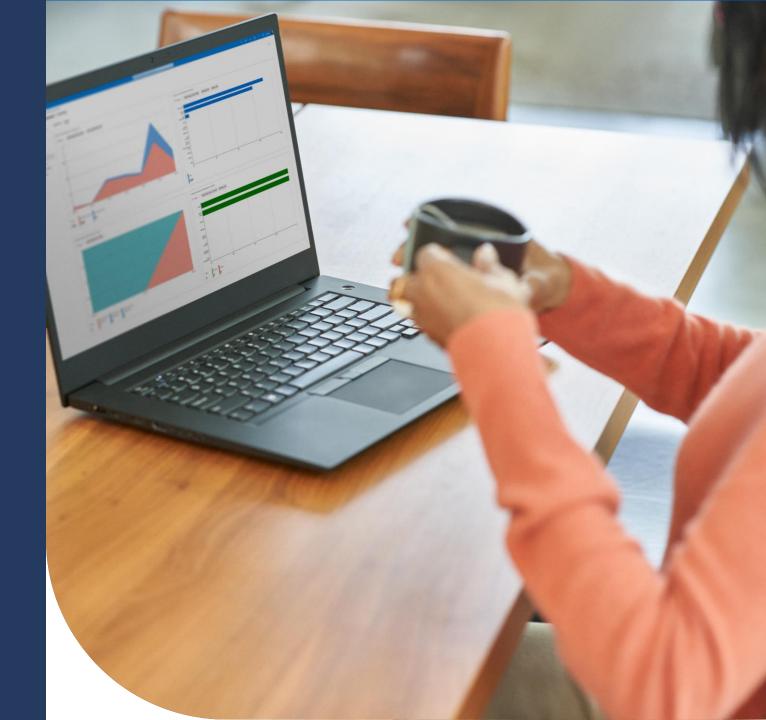


## **Conditional Access Monitoring**

Home > Inbarck Labs | Security > Security | Conditional Access > Conditional Access | Overview ... Azure Active Directory + Create new policy + Create new policy from templates Refresh Got feedback? Overview Getting started Overview Coverage Monitoring (Preview) Tutorials Insights and reporting Sign-ins by Conditional Access result Diagnose and solve problems Date range: Last 7 days Show dates as: Local Policy evaluated: All enabled policies Authentication strength: Phishing-resistant MFA Auth requirement: All Client app: All X Device platform: All X Device state: All X Manage User type: All X Sign-in risk: All X Authentication strength Named locations ☐ Reset filters Custom controls (Preview) Phishing-resistant MFA Terms of use Select all authentication strengths VPN connectivity Authentication context Select built-in authentication strength Authentication strengths Multifactor authentication Passwordless MFA Monitoring Phishing-resistant MFA Sign-in logs Audit logs Select custom authentication strength Troubleshooting + Support Contoso Custom MFA New support request Aug 25 Aug 26 Aug 27 Aug 28 Aug 29 Aug 30 Total sign-ins



# **Common policies**



# Authentication strength role in your access strategy

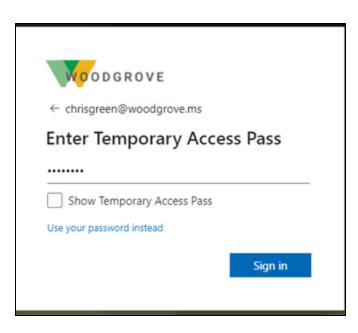
<b>Conditions / Controls</b>	Low	Medium	High
App filter	Sensitivity = Low	Sensitivity = Medium	Sensitivity = High
Authentication strength	MFA	Non-telecom MFA	Phishing-resistant
Device	N/A	Require device to be marked as compliant	Require device to be marked as compliant
Location	Skip MFA for trusted locations	N/A	N/A

#### Cross apps policies

- \* Block high risk sign-ins and users
- \* Restrict Temporary Access Pass for bootstrap and recovery
- \* Phishing-resistant methods for admins (PIM) and vendors

### Temporary Access pass for bootstrap and recovery

- Custom auth strength for bootstrap and recovery
  - Includes Temporary Access Pass and Phishing-resistant MFA
- Conditional Access policies:
  - Target all cloud apps with phishing-resistant MFA (built-in)
  - · Target "Register security information" with the custom authentication strength policy.



#### Resources

https://aka.ms/authstrengthdocs

Authentication strength docs

https://aka.ms/authstrengthAPIdocs Authentication Strength APIs

https://aka.ms/PhishResistantExplained How phishing-resistant works?