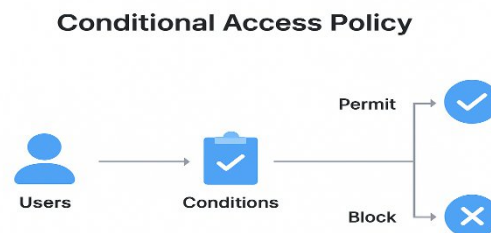


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Conditional Access Policy (Microsoft)

What is Conditional Access Policy: Conditional Access Policy is one of **the most powerful tools in Microsoft 365 security**. It helps organizations protect against password theft, risky sign-ins, and unauthorized device access by enforcing conditions that must be met before granting access to company resources.



Purpose: As part of Cybersecurity protection/mitigation, conditional access acts as part of an organization's cybersecurity defense strategy. Its primary purpose is to protect and prevent access from:

- Password Theft
- Risky Sign-ins
- Unmanaged Devices

See below the baseline for the **company should apply** to their Enterprises/Business.

In simple terms, it functions like a digital security guard, verifying your **identity**, **authenticating** your credentials, and **authorizing** your access before you enter.

Naming Policy Guidelines: To maintain consistency and clarity, apply a structured naming policy when creating Conditional Access policies.

Example naming structure:

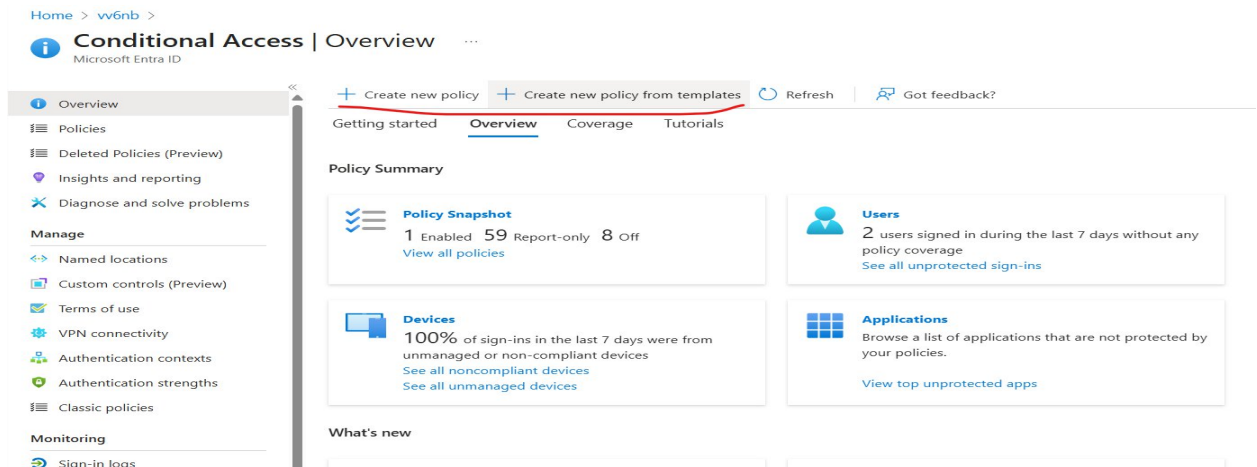
- Who: Target users or groups
- What: Condition or app
- Action: Required control

Example: Admins - All Apps - Require MFA

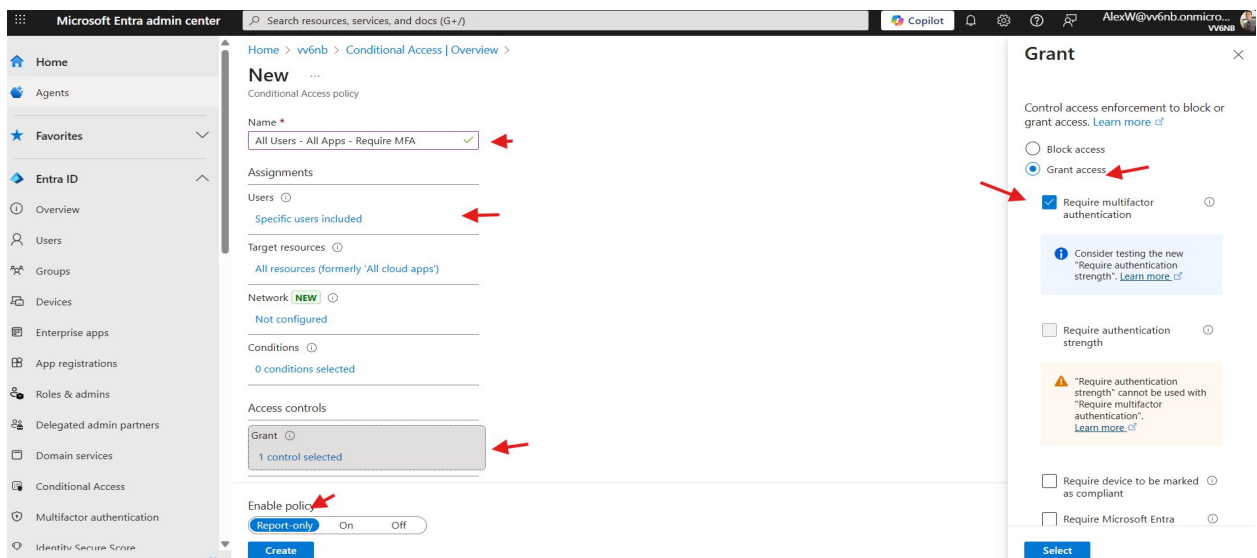
Application/Technical Configuration:

Now for **foundation required all users to grant access and require multifactor Authentication.**

Go to Microsoft 365 Admin Center > Click or Search for Identity (New browser will open for Microsoft 365 Admin Center Identity > Click Conditional Access



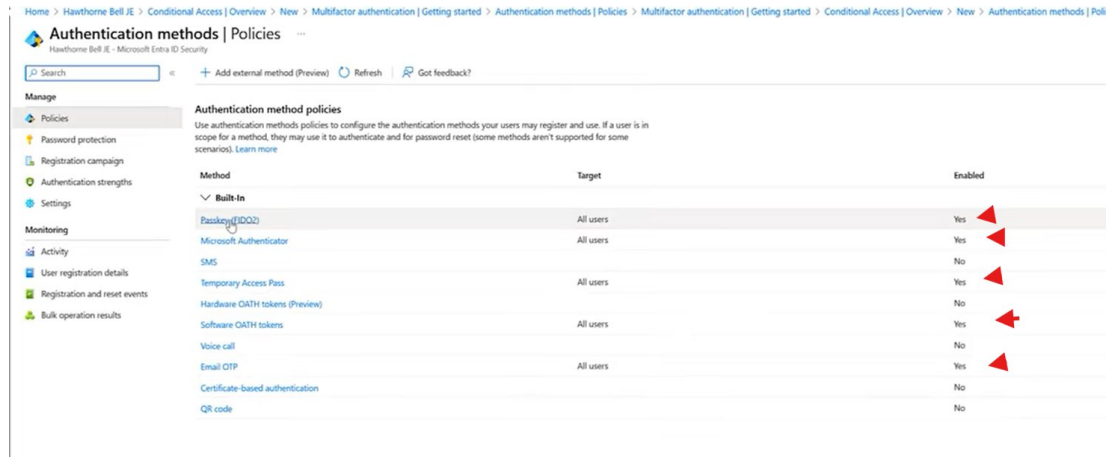
Now, Click Create new policy and supply the following base on screenshot below > Click Create (Report) Only (If you want to take effect immediately choose on)



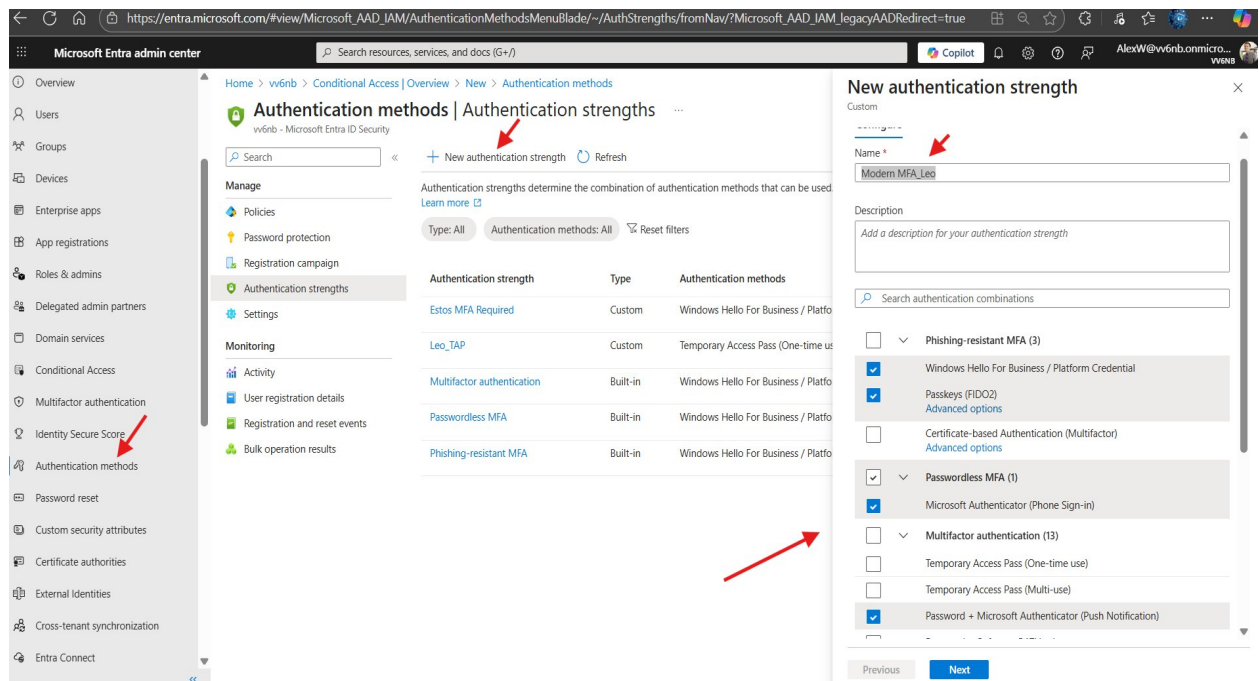
Five baselines Conditional Access Policies every Company/Business Organization should apply:

Policy 1: Require Strong MFA for all Users

Create a policy to require strong MFA in **All Users - All Apps - Require Strong MFA**. Now to Enable the different Policies MFA, Click in Microsoft 365 Admin Center > **Entra ID > Authentication Method > Policies**

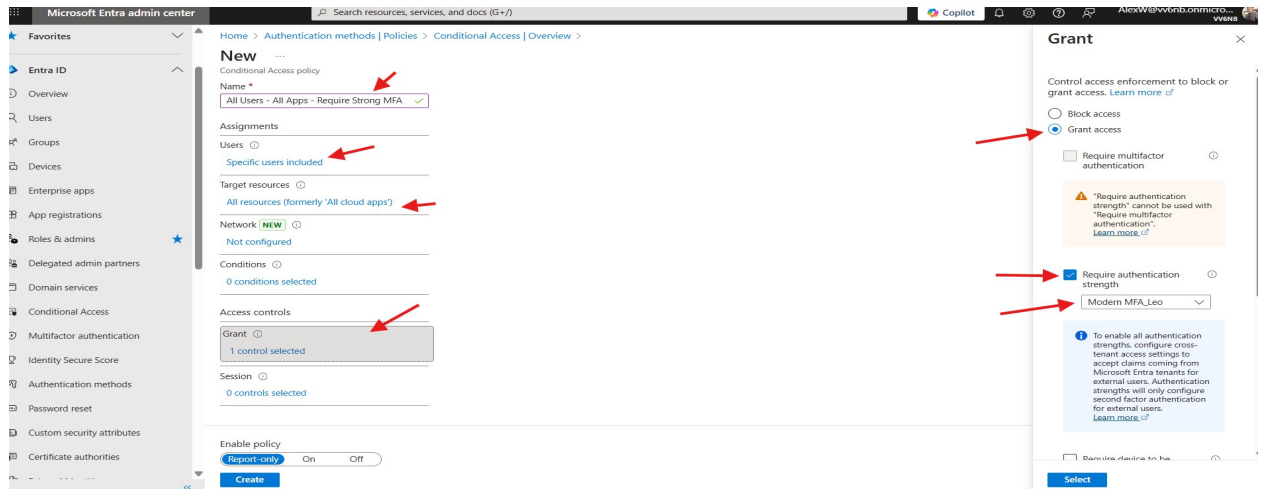


- To further strengthen your MFA, click in Microsoft 365 Admin Center > **Entra ID > Authentication Method > Policies > Authentication strengths** and create the **Modern MFA** > Click Next > Review > Create



- Now create a new policy > Microsoft 365 Admin Center Identity > Entra ID > Click Conditional Access > Create New Policy > Naming: All Users - All Apps - Require Strong MFA > Grant (**Required Authentication Strength**) and choose (**Modern MFA_Leo**) or please see screenshot below for complete implementation of policy.

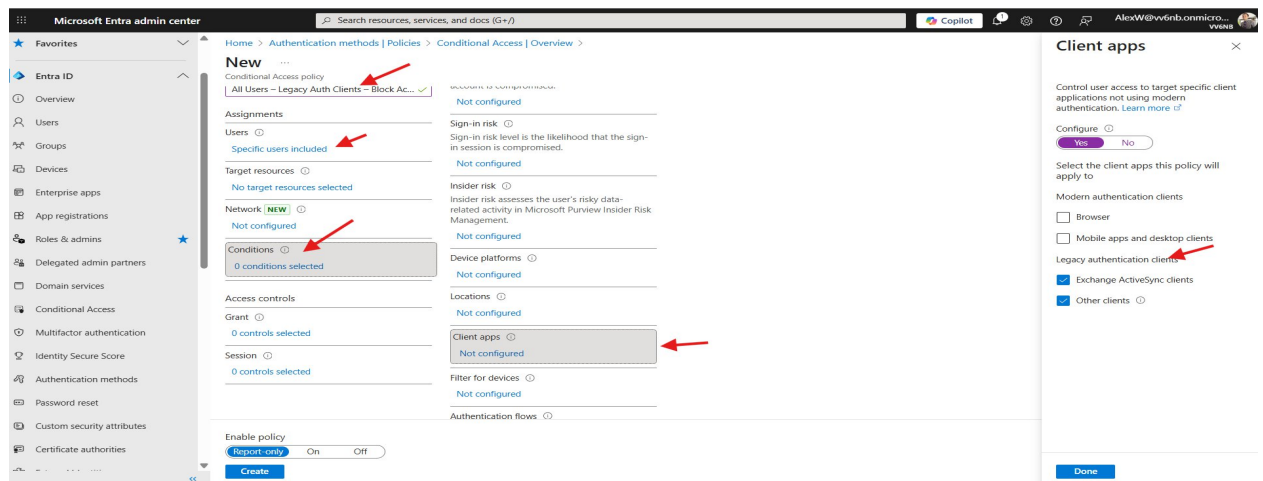
- In Assignments note to **Include all Users and Group, but Exclude the Administrator Account/s**



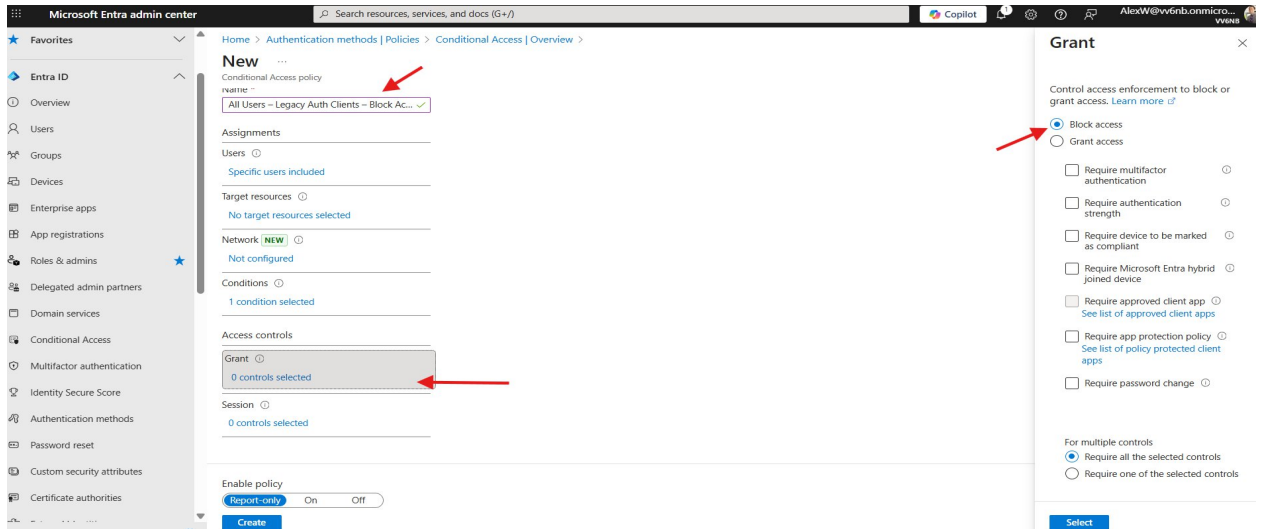
Policy 2: Block Legacy Authentication Clients

Create a policy to **All Users – Legacy Auth Clients – Block Access**. The purpose of this policy is to block the legacy authentication protocol like POP, SMTP, and IMAP those protocols don't support MFA this is open to attackers.

- Click in Microsoft 365 Admin Center > **Entra ID > Conditional Access > Create New Policy**



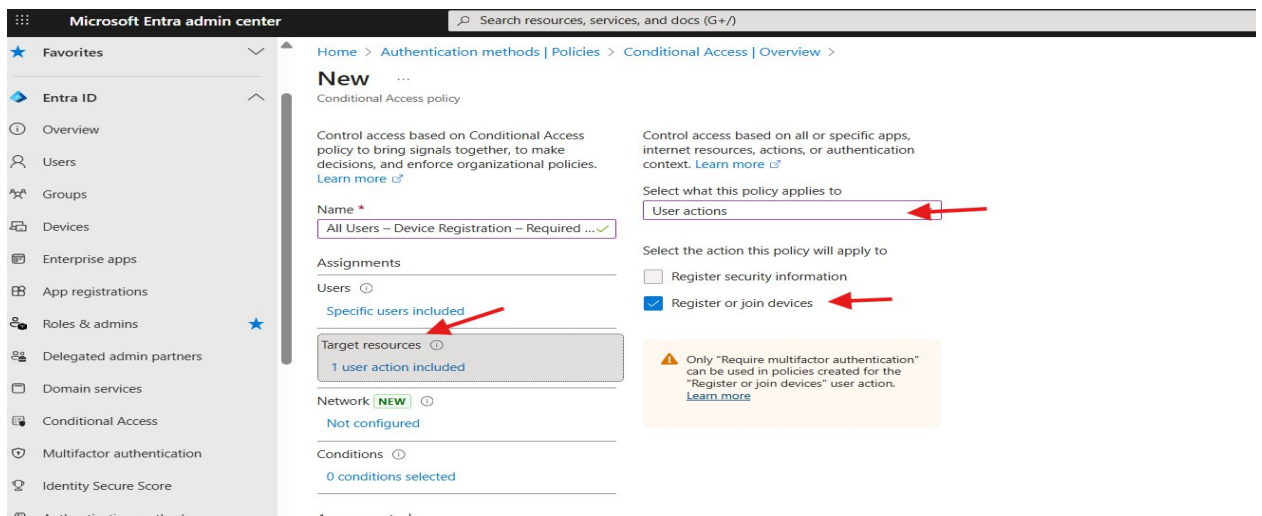
- **Grant Control > Block Access > Click Create**



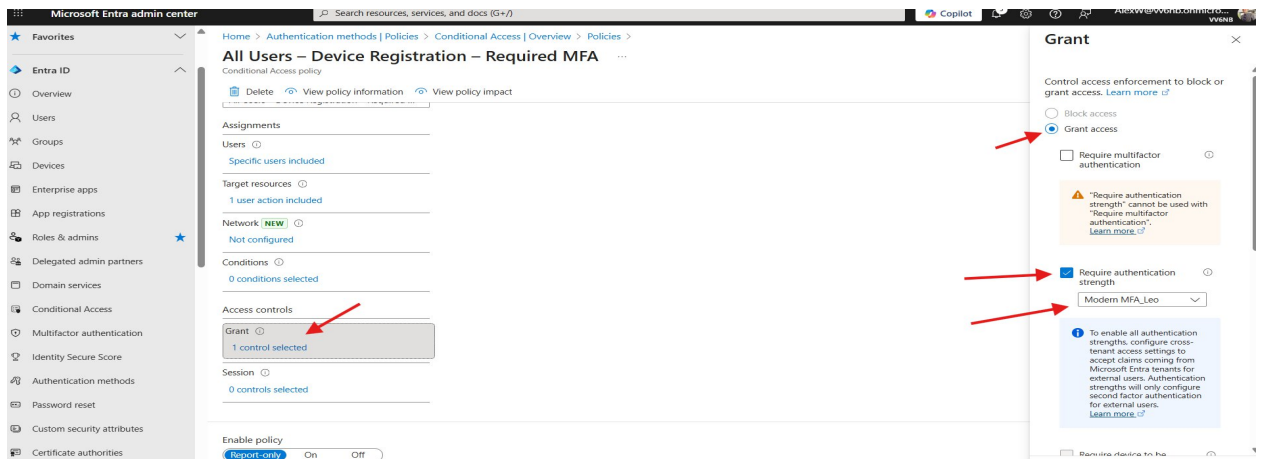
Policy 3: Require MFA for Device Registration

Create a policy to **All Users – Device Registration – Required MFA**. The purpose of this policy is to protect the device registration and joining resources in Microsoft 365/Entra, **require an MFA if the device will join**.

- Click in Microsoft 365 Admin Center > **Entra ID > Conditional Access > Create New Policy**
- **Supply the Naming: Users: > Now in Target resources > click User Actions > Register or join devices**



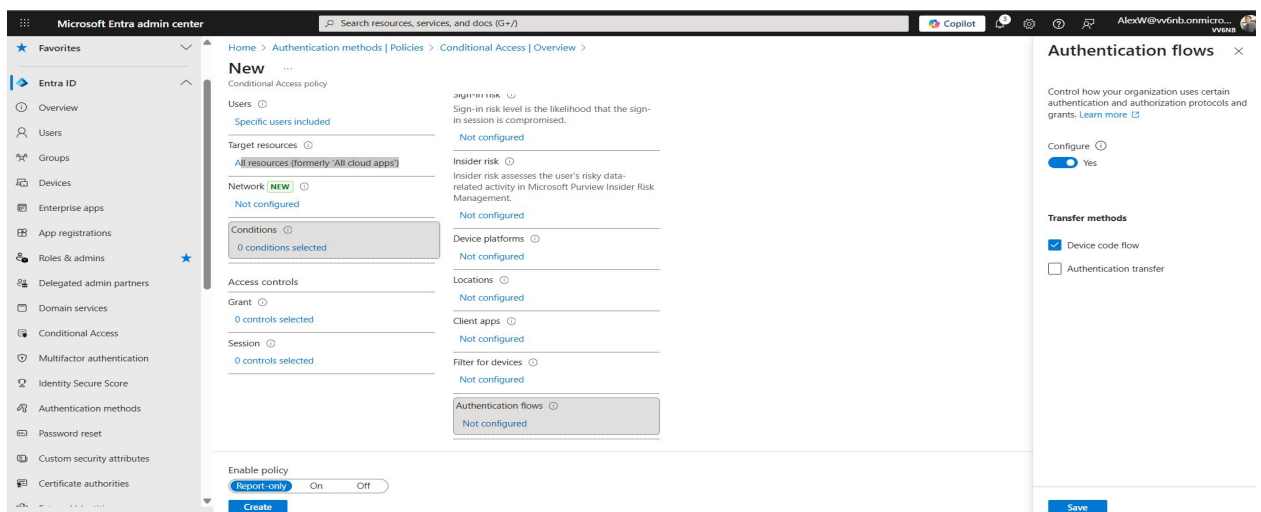
- **Grant > Grant Access > Required Authentication Strength = Modern MFA_Leo**



Policy 4: Block Device Code Flow Authentication

Create a policy to **All Users – Device Code Flow – Block Access**. The purpose of this policy is to **protect on the device with no proper login page it only says go to website and type in this code, like TV or printer**. The attackers have a threat/attack vector for this.

- Click in Microsoft 365 Admin Center > **Entra ID > Conditional Access > Create New Policy**
- **Supply the Naming: Users: > Now in Target resources > click All resources (formerly 'All cloud apps')**
- **Now, in Conditions > Click Authentication Flow below > Configure = YES > Device code flow > Save**

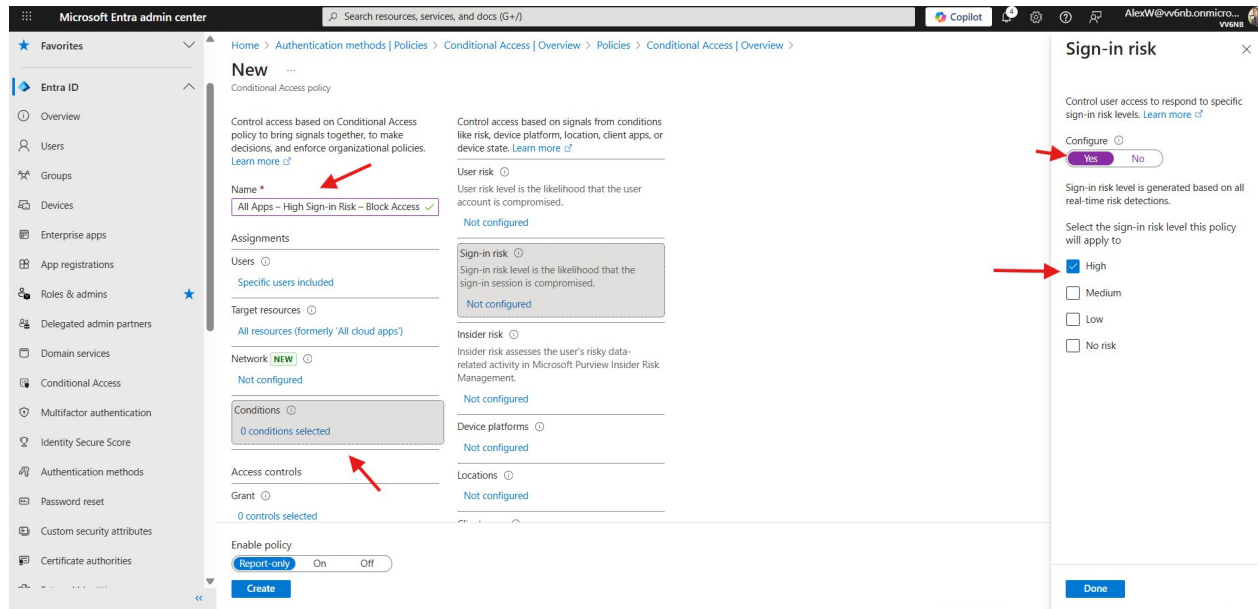


- **Grant Control > Block Access > Click Create**

Policy 5: Block Access for High Sign-in Risk

Create a policy to **All Apps – High Sign-in Risk – Block Access**. The purpose of this policy is to **check every log in real time and score it for a risk or the password is going to breach**

- Click in Microsoft 365 Admin Center > **Entra ID > Conditional Access > Create New Policy**
- **Supply the Naming: Users: > Conditions > Sign-in Risk > Yes > High**



- **Grant Control > Block Access > Click Create**

Sources:

1. Advanced Conditional Access for IT Pros | Complete Guide

<https://www.youtube.com/watch?v=5oMaZink7kc>

2. How to Set Up Conditional Access in Microsoft 365 (Step-by-Step) By Jonathan Edwards

<https://www.youtube.com/watch?v=DkCq8wWN9Sc>

*” When you train Smarter, you defend Stronger”
Leonard Estes*