Entra: HYPR Enterprise Passkey in CC

HYPR Enterprise Passkey (a.k.a. the FIDO2 Mobile Authenticator pattern) enables your HYPR Mobile App-enabled device to act as a FIDO2 security key when authenticating through Microsoft Entra. Once implemented, Entra will see any affected mobile devices as hard token passkeys.

HYPR Enterprise Passkey can be integrated with several different workstation setups, depending on your environment:

- *Non-domain-joined*: Windows workstation is not joined to any domain and is owned by the user; the user can login via a Microsoft account or an account local to the machine
- *On-premises Active Directory*: Windows workstation is joined to an on-premises Active Directory and is owned by the user; the user can login to any workstation which is joined to same domain using the user credentials on the domain controller
- *Entra Domain-joined*: Windows workstation is joined directly to the Entra cloud; the user can login to any workstation joined to Entra AD using the user account in Entra
- *Hybrid Entra Domain-joined*: Windows workstation is joined to both the on-premises Active Directory and to the Entra cloud; the user can login using the user credentials on the domain controller.
- Use the following command to check the status of a Windows workstation:



Only AzureAdJoined is set to Yes because the workstation is only joined to AzureAD

Incase of HYBRID workstation, DomainJoined will be set to Yes as well

Feature Flags

Following Feature Flags are required to be enabled for the rpApp:

Mandatory to be enabled (No Wifi or BLE)
AZURE_IDP_INTEGRATION
AZURE_NATIVE_LOGIN
FIDO2_MOBILE_AUTHENTICATOR
RP_APP_WORKSTATION_ENABLED

AZURE_PROVISION_API

What You'll Need

Server/Tenant

- Make sure you have the **Entra tenant** available and an account that exists on the *.onmicrosoft.com domain with **Global Admin Access**
 - Enable FIDO2 Security Keys in the Entra tenant as referenced here or here
- You should have an **Intune account** on the *.onmicrosoft.com domain with **Global Admin Access** with Intune licenses
 - Enable the FIDO2 Security Key Credential Provider in Intune:
 - Enabling for new workstation joins
 - <u>Enabling for existing workstation joins</u>
 - Microsoft documentation

Workstation

- Currently the workstation/VM OS must be **Windows**, as macOS is not yet supported
- Entra domain-joined or hybrid-joined VMs or physical laptops with which to test

- Ensure the Windows Workstation OS patch level requirements are met
- HYPR Passwordless client must be installed on the affected workstation(s)
- Workstation support for FIDO2 security keys will vary depending on how the workstation is joined:
 - Microsoft does not support FIDO2 security keys for authentication to Active Directory workstations
 - Microsoft supports FIDO2 security keys for authentication to Hybrid Entra AD joined workstations
 - Microsoft supports FIDO2 security keys for authentication to Entra AD joined workstations
- Hybrid workstations only:
 - Ensure Domain Controller <u>patch level requirements</u> are met
 - Ensure <u>AES256_HMAC_SHA1 is enabled</u> [required]
 - Configure Active Directory and Entra to <u>support Entra AD Kerberos</u>
 - Additional steps to <u>support administrative accounts</u>.
 - By default, these accounts can't use security keys

Setting Up the Entra AD Tenant

Using Powershell script



Note: Change the app name to match required by HYPR

OR via User interface

Register Application

 From the Home screen, select Entra Active Directory > App registrations > New registration.

| N | licrosoft Entra admin center | | , P Search resources, services, and docs (G+/) | Q | ٢ | ? | ন্দ | hyprserviceaccount@hy |
|-----|------------------------------|----------|---|-----|---|---|-----|-----------------------|
| | Home | ^ | Home > App registrations > HYPR Zero Cloud Offering > App registrations > | | | | | |
| | | | Register an application | | | | | \times |
| * | Favorites | \sim | | | | | | |
| 4 | Identity | ~ | * Name | | | | | |
| - | | | The user-facing display name for this application (this can be changed later). | | | | | |
| 0 | Overview | | HYPRAuthApp 🗸 | | | | | |
| 8 | Users | \sim | | | | | | |
| 200 | Groups | ~ | Supported account types | | | | | |
| | All groups | | Who can use this application or access this API? | | | | | |
| | All groups | | Accounts in this organizational directory only (HYPR Zero Cloud Offering only - Single tenant) | | | | | |
| | Deleted groups | | Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skyne | | | | | |
| | Group settings | | Xbox) | | | | | |
| £ | Devices | \sim | Personal Microsoft accounts only | | | | | |
| ₿, | Applications | ^ | Help me choose | | | | | |
| | Enterprise applications | | Redirect URI (optional) | | | | | |
| | App registrations | | We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be channed later, but a value is required for most authentication scenarios. | | | | | |
| A | Protection | \sim | Callest a allaform | | | | | |
| ۲ | Identity governance | \sim | Select a harouni | | | | | |
| qþ | External Identities | \sim | | | | | | |
| | Show more | | Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from Enterprise application | ns. | | | | |
| 2 | Learn & support | | By proceeding, you agree to the Microsoft Platform Policies 😋 | | | | | |
| - | court of support | ~ | Register | | | | | |

- 2. On the Register an application dialog:
 - Enter the application name: HYPRAuthApp
 - o Select Accounts in this organizational directory only
 - o Click Register when done
- 3. Save the clientId and tenantId. You will need these later for PowerShell and HYPR's UX configuration.



Configure a Web Redirect URI

Entra ID --> App Registrations --> "HYPR app" --> redirect URI --> "https://login.microsoftonline.com/common/oauth2/nativeclient"

| HYPRAuthApp Search | 🛠 … ⁽¹⁾ Delete | | |
|---|---|---|--|
| Verview Quickstart //////////////////////////////////// | ▲ Essentials Display name : HYPRAuthApp Application (client) ID : 107329c7.4b76-4c4b-9a68-bed57969df3d Object ID : 92cdbea2-2750-451e-8780-9a17e840d68 Directory (tenant) ID : c45fdf2d-fcb1-4c61-a0c-ec7f865eccdc Supported account types : My organization only | Client credentials <mark>Redirect URIs.</mark> Application ID URI Managed application in I | : <u>0.certificate.5.secret</u> : <u>7.web.0.spa.0.public.client</u> : api://107329c7-4b76-4c4b-9a68-bed57969df3c : Postman |
| Home > App registrations > HYPRAut HYPRAuthApp Au P Search • « | hApp thentication & … [®] Got feedback? | Configure platform | s |
| Overview Quickstart Integration assistant Diagnose and solve problems Manage | Platform configurations Depending on the platform or device this application is targeting, additional configuration may be required sc redirect URIs, specific authentication settings, or fields specific to the platform. | Web Build, host, and deploy a web serve application. NET, Java, Python | Configure browser client applications and progressive web applications. Javascript. |
| Branding & properties Authentication Certificates & secrets Kontext Configuration API permissions | Web Redirect URIs The URIs weill accept as destinations when returning authentication responses (tokens) after successfully auth URI you send in the request to the login server should match one listed here. Also referred to as reply URLs. Lee restrictions 3 | ios / macOs Objective-C, Swift, Xamarin | Android Java, Kotin, Xamarin |

Configure Web × < All platforms</td> Quickstart Docs ♂ * Redirect URIs The URIs we will accept as destinations when returning authentication responses (tokens) after successfully authenticating or signing out users. The redirect URI you send in the request to the login server should match one listed here. Also referred to as reply URLs. Learn more about Redirect URIs and their restrictions

 \checkmark

https://login.microsoftonline.com/common/oauth2/nativeclient

Configure

Cancel

Grant Required API Permissions

1. From the Entra Active Directory screen, select **App registrations** and **select the app you just made**.

| ··· > Manage tenants > HYPR Zero Cloud Offering > HYPR Zero Cloud Offering > HYPR Zero Cloud Offering > App registrations > HYPRAuthApp > | | | | | | | | | |
|---|----------------------------|--------------------|---------------------|--|--|--|--|--|--|
| App registrations 🖉 ···· | | | | | | | | | |
| + New registration 🌐 Endpoints 🧷 Troubleshooting 💍 Refresh 🞍 Download 🐼 Preview | features 🛛 🔗 Got feedback? | | | | | | | | |
| Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure Active Directory Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. | | | | | | | | | |
| All applications Owned applications Deleted applications | | | | | | | | | |
| 2 sear sping a apply name or application (energy to so man areas in | | | | | | | | | |
| Display name ↑↓ | Application (client) ID | Created on ↑↓ Cert | tificates & secrets | | | | | | |
| HY HYPRAuthApp | | 5/31/2023 | Current | | | | | | |

- 2. While that app is selected, click **API permissions**.
- 3. By default, the application will already have Microsoft Graph's *User.Read* permission. This isn't required, so **remove it** by clicking the ... icon and choosing **Remove permission**. Click **Yes, remove** to confirm when prompted.

Home > App registrations > HYPRAuthApp > App registrations > HYPRAuthApp

| ■ HYPRAuthApp API permissions 🖉 … | | | | | | | | | |
|-------------------------------------|------------------------------------|---|---------------------------------------|---|-------------------------------------|--|--|--|--|
| ✓ Search « | 🕐 Refresh 🕴 🕅 Got feedb | ack? | | | | | | | |
| 矏 Overview | | | | | | | | | |
| 📣 Quickstart | The "Admin consent require | The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This | | | | | | | |
| 🚀 Integration assistant | column may not reflect the | mission, user, or upp. mis | | | | | | | |
| Manage | Configured permissions | | | | | | | | |
| Branding & properties | Applications are authorized to ca | II APIs when th | ey are granted permissions by users, | /admins as part of the consent process. The lis | st of configured permissions should | | | | |
| Authentication | include all the permissions the ap | oplication need | s. Learn more about permissions and | d consent | | | | | |
| 🕈 Certificates & secrets | + Add a permission 🗸 Gr | ant admin cons | ent for HYPR Zero Cloud Offering | | | | | | |
| Token configuration | API / Permissions name | Туре | Description | Admin consent req | Status | | | | |
| API permissions | ∽ Microsoft Graph (1) | | | | | | | | |
| Expose an API | User.Read | Delegated | Sign in and read user profile | No | | | | | |
| App roles | | | | | | | | | |
| A Owners | To view and manage consented p | permissions for | individual apps, as well as your tena | int's consent settings, try Enterprise applicatio | ns. | | | | |
| 🔓 Roles and administrators | 5 | | | - / | | | | | |
| 10 Manifest | | | | | | | | | |

Remove permission Are you sure you want to remove Microsoft Graph – User.Read from the configured permissions for HYPRAuthApp? Yes, remove

4. Click Add a permission, and on the tiled choices, select Microsoft Graph.

| Home > App registrations > HYPRAuth/ | App > App registrati | Request API permission | าร | | \times |
|--------------------------------------|---------------------------------|---|---|---|----------|
| | permissions | | | | |
| | | Select an API | | | |
| | 🕐 Refresh 🕴 🖇 | Microsoft APIs APIs my organization | n uses My APIs | | |
| Nverview | A You are editing | Commonly used Microsoft APIs | | | |
| 📣 Quickstart | | | | | |
| 🚀 Integration assistant | | Microsoft Graph | | | |
| Manage | 1 The "Admin co column may n | Take advantage of the tren Access Microsoft Entra ID, | nendous amount of data in Office 365, Enterprise Excel, Intune, Outlook/Exchange, OneDrive, Onel | e Mobility + Security, and Windows 10. Note, SharePoint, Planner, and more | |
| 🗮 Branding & properties | | through a single endpoint. | | | |
| Authentication | Configured perm | | | | |
| 📍 Certificates & secrets | Applications are aut | | | | |
| Token configuration | | Azure Service Management | Office 365 Management APIs | | |
| ➔ API permissions | + Add a permissi | Programmatic access to much of the functionality available through | Retrieve information about user, admin, system, and policy actions and events | | |
| 🙆 Expose an API | API / Permissions | the Azure portal | from Office 365 and Microsoft Entra ID activity logs | | |
| App roles | No permissions ad | | | | |
| 24 Owners | | More Microsoft APIs | | | |
| 🕹 Roles and administrators | To view and manage | | | | |
| 0 Manifest | | Azure Batch | Azure Communication Services | Azure Cosmos DB | |
| Support + Troubleshooting | | Schedule large-scale parallel and HPC applications in the cloud | Rich communication experiences with the same secure CPaaS platform used by Microsoft Teams | Fast NoSQL database with open APIs for any scale. | |
| Troubleshooting | | | by microsoft reams | | |
| New support request | | | | | |

5. Select **Delegated permissions**.

Request API permissions

All APIs

Microsoft Graph https://graph.microsoft.com/ Docs

What type of permissions does your application require?

Delegated permissions Your application needs to access the API as the signed-in user. Application permissions Your application runs as a background service or daemon without a signed-in user.

Delegated by Default

Sometimes Entra will not display the option for Delegated or Application permissions, and will immediately assume Delegated as the choice. As no Application permissions are required, this works in your favor. However, after you grant Admin Consent later in the process, you will be able to verify the permission type.

6. Scroll down and locate **Directory.AccessAsUser.All***. Add it, then continue scrolling to find and add **UserAuthenticationMethod.ReadWrite.All**.

Request API permissions

| > D | DeviceManagementRBAC | | | | | | |
|------|---|---|--|--|--|--|--|
| > D | > DeviceManagementServiceConfig | | | | | | |
| ~ D | rectory (1) | | | | | | |
| | Directory.AccessAsUser.All ① Yes Access directory as the signed in user | ļ | | | | | |
| | Directory.Read.All ① Yes Read directory data | | | | | | |
| | Directory.ReadWrite.All ① Yes Read and write directory data | | | | | | |
| | Directory.Write.Restricted ① Yes Manage restricted resources in the directory | | | | | | |
| > D | rectoryRecommendations | | | | | | |
| > D | omain | | | | | | |
| > E/ | 2 | | | | | | |
| > el | Discovery | - | | | | | |
| | | | | | | | |

Add permissions

Discard

Select permissions

| ₽ UserAuth | | | | | | | |
|---|---|--|--|--|--|--|--|
| The "Admin consent required" column shows the default value for an organization permission, user, or app. This column may not reflect the value in your organi; | ation. However, user consent can be customiz zation, or in organizations where this app will | | | | | | |
| used. <u>Learn more</u> | | | | | | | |
| Permission | Admin consent requir | | | | | | |
| ✓ UserAuthenticationMethod (1) | | | | | | | |
| UserAuthenticationMethod.Read (i) Read user authentication methods. | Yes | | | | | | |
| UserAuthenticationMethod.Read.All (i) Read all users' authentication methods | Yes | | | | | | |
| UserAuthenticationMethod.ReadWrite ① Read and write user authentication methods | Yes | | | | | | |
| UserAuthenticationMethod.ReadWrite.All ① Read and write all users' authentication methods. | Yes | | | | | | |

Add permissions

Discard

- 7. Click Add Permissions when done.
- 8. You must now **Grant admin consent** for the permissions to take effect.

| Refresh & Got feedbac | | | | |
|---|--|---|---|---|
| ▲ You are editing permission(s) t | o your applicatio | on, users will have to consent even if they've already done so previ | ously. | |
| | | | | |
| The "Admin consent required" organizations where this app v | column shows ti vill be used. <u>Lear</u> | he default value for an organization. However, user consent can b m more | e customized per permission, | , user, or app. This column may not reflect the v |
| Configured permissions | | | | |
| Applications are authorized to call all the permissions the application | APIs when they needs. Learn mo | are granted permissions by users/admins as part of the cons ore about permissions and conservations | ent process. The list of con | figured permissions should include |
| + Add a permission 🗸 Gran | t admin consen | t for hyprZeroP2 | | |
| API / Permissions name | Туре | Description | Admin consent requ | Status |
| ∽ Microsoft Graph (2) | | | | ••• |
| Directory.AccessAsUser.All | Delegated | Access directory as the signed in user | Yes | ▲ Not granted for hyprZer,,, ••• |
| UserAuthenticationMethod.Re | ac Delegated | Read and write all users' authentication methods. | Yes | ▲ Not granted for hyprZer *** |
| o view and manage consented pe | missions for inc | dividual apps, as well as your tenant's consent settings, try Er | terprise applications. | |
| o view and manage consented per ① Refresh & Got feedback | missions for ind ? firmation. | dividual apps, as well as your tenant's consent settings, try Er | terprise applications. | |
| To view and manage consented per To view and manage consented per To view and manage consented per To view and manage consent consent consent for To view and manage consent for Yes | missions for ind ? firmation the requested | dividual apps, as well as your tenant's consent settings, try Er | terprise applications. | n consent records this application alread |
| To view and manage consented performed performed performance of the performan | firmetic (? the requested | dividual apps, as well as your tenant's consent settings, try Er | terprise applications. | n consent records this application alread |
| C Refresh Ref | missions for inc ? firmation the requested ill be used. Lear | dividual apps, as well as your tenant's consent settings, try Er d permissions for all accounts in hyprZeroP2? This will u | terprise applications. | n consent records this application alread |
| C Refresh Ref | rmissions for ind rimetic the requested ill be used. <u>Lear</u> PIs when they a eeds. Learn mo | dividual apps, as well as your tenant's consent settings, try Er d permissions for all accounts in hyprZeroP2? This will u <u>n more</u> are granted permissions by users/admins as part of the cons are about permissions and consent | terprise applications. | n consent records this application alread |
| C Refresh Ref | rmissions for inc (? firmation the requested ill be used. Lear upls when they a eeds. Learn mo admin consent | dividual apps, as well as your tenant's consent settings, try Er d permissions for all accounts in hyprZeroP2? This will up n.more are granted permissions by users/admins as part of the cons re about permissions and consent for hyprZeroP2 | terprise applications. | n consent records this application alread |
| C Refresh Ref | missions for inc firmetic the requested ill be used. <u>Lear</u> PIs when they a weeds, <u>Learn mo</u> admin consent Type | dividual apps, as well as your tenant's consent settings, try Er d permissions for all accounts in hyprZeroP2? This will u n more are granted permissions by users/admins as part of the cons re about permissions and consent for hyprZeroP2 Description | terprise applications. odate any existing admin ent process. The list of cor Admin consent requ | n consent records this application alread |
| To view and manage consented performed performed to approximate the performance of the permissions of the permissions the application of the permissions the permission of the | rmissions for inc (? firmation the requested ill be used. Lear PIs when they a eeds. Learn mo admin consent Type | dividual apps, as well as your tenant's consent settings, try Er d permissions for all accounts in hyprZeroP2? This will up <u>n more</u> are granted permissions by users/admins as part of the cons are about permissions and consent for hyprZeroP2 Description | terprise applications. odate any existing admin ent process. The list of cor Admin consent requ | n consent records this application alread |
| C Refresh Ref | rmissions for inc rmissions for inc firmetic the requested ill be used. Lear NPIs when they a preeds. Learn mo admin consent Type Delegated | dividual apps, as well as your tenant's consent settings, try Er d permissions for all accounts in hyprZeroP2? This will u n more are granted permissions by users/admins as part of the cons re about permissions and consent for hyprZeroP2 Description Access directory as the signed in user | terprise applications. odate any existing admin ent process. The list of cor Admin consent requ Yes | n consent records this application already figured permissions should include Status Mot granted for hyprZer |

To view and manage consented permissions for individual apps, as well as your tenant's consent settings, try Enterprise applications.

****Updated Permissions 10.1

| | | Admin consent req | Status |
|-------------|--|---|--|
| | | | |
| Delegated | Access directory as the signed in user | Yes | Granted for HYPR CORP |
| Application | Read and write directory data | Yes | Granted for HYPR CORP |
| Delegated | Read and write all users' authentication methods. | Yes | Granted for HYPR CORP |
| Application | Read and write all users' authentication methods | Yes | Granted for HYPR CORP |
| | Delegated Application Delegated Application | Delegated Access directory as the signed in user Application Read and write directory data Delegated Read and write all users' authentication methods. Application Read and write all users' authentication methods | Delegated Access directory as the signed in user Yes Application Read and write directory data Yes Delegated Read and write all users' authentication methods. Yes Application Read and write all users' authentication methods. Yes |

Creating a Client Secret

You'll need to provide a client secret when you set up the integration in the HYPR Control Center. Generate the client secret in Entra as follows:

- 1. From the Entra Active Directory screen, select **App registrations** and choose your app.
- 2. Select Certificates & secrets, then click New client secret.

| Home > App registrations > H | YPRAuth | App > App registrations > HYPRAu | thApp API permissions > A | Add a client secret | | × |
|------------------------------|---------|--|------------------------------------|---------------------|-------------------------|--------|
| 🔶 HYPRAuthApp | Cer | tificates & secrets 🛛 🖈 | • | | | |
| • | | | | Description | HYPR Auth Client Secret | |
| ✓ Search | ~ | 🖗 Got feedback? | | Expires | 730 days (24 months) | \sim |
| 4 Overview | | | | | | |
| 🗳 Quickstart | | Credentials enable confidential applic scheme). For a bigher level of assurat | cations to identify themselves t | | | |
| 🚀 Integration assistant | | scheme). For a higher level of assura | ice, we recommend using a cer | | | |
| Manage | | Application registration certificat | tes, secrets and federated credent | | | |
| 🗮 Branding & properties | | | | | | |
| Authentication | | Certificates (0) Client secrets | (0) Federated credentials | | | |
| 📍 Certificates & secrets | | | <u> </u> | | | |
| Token configuration | | A secret string that the application i | uses to prove its identity when | | | |
| API permissions | | + New client secret | | | | |
| 🔷 Expose an API | | Description | Expires | | | |
| App roles | | No client secrets have been created | for this application. | | | |
| A Owners | | | | | | |
| 🍒 Roles and administrators | | | | | | |
| 0 Manifest | | | | | | |
| Support + Troubleshooting | | | | | | |
| P Troubleshooting | | | | | | |
| New support request | | | | Add Cancel | | |

3. Enter a **Description** and an **Expires** date. Click **Add** when finished. Entra returns to the *Certificates and Secrets* list.

4. Make a note of the client secret value now so you can use it later.

| Certificates (0) | Client secrets (1) | ederated credentials (0 |)) | | | | | |
|---|--------------------|-------------------------|----------------------------|----------------|-----------------------------------|---|--|--|
| A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password. | | | | | | | | |
| + New client se | cret | | | | | | | |
| Description | | Expires | Value 🛈 | Copy to clipbo | ard et ID | | | |
| HYPR Auth Clier | nt Secret | 4/1/2026 | tHR8Q~IFiko6vLn8XnqNAYK~gR | t8uw 🗈 97 | 2dc954e-5d33-46e8-b8a6-e85379e3 🗈 | Ŵ | | |

One Time Only

If you return to this screen later, Entra will mask the value and you won't be able to copy it.

5. OR Use Certificates

| ✓ Search × « | 🔗 Got feedback | | | | | | |
|---|---|-----------------------|----------------|------------|---------|----------------|---|
| Overview Quickstart Integration assistant | Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS icheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential. | | | | | | |
| Diagnose and solve problems Manage | 1 Application registration certificates, secrets and federated credentials can be found in the tabs below. | | | | | | × |
| Branding & properties Authentication Certificates & secrets | Certificates (0) Client secrets (5) Federated credentials (0) Certificates can be used as secrets to prove the application's identity when requesting a token. Also can be referred to as public keys. | | | | | | |
| Token configuration API permissions | ↑ Upload certit Thumbprint | îcate | Description | Start date | Expires | Certificate ID | |
| Expose an API App roles | No certificates hav | e been added for this | s application. | | | | |
| Owners Roles and administrators | | | | | | | |
| Manifest Support + Troubleshooting | | | | | | | |

Enable Security Keys in the Entra Tenant

- 1. Login to entra.microsoft.com as a global admin account.
- 2. Navigate to Entra Active Directory > Security > Authentication methods. Click FIDO2 security key.

| Home > HYPR Zero Cloud Offering | Security > Security Authentication ethods Policies | n methods > | | × |
|---------------------------------|---|---|--|----------|
| Search | Got feedback? | | | |
| Manage | Use this policy to configure the | authentication methods your users may register and use. If a user is in | scope for a method, they may use it to authenticate and for password reset (some methods aren't supp | orted fo |
| Policies | some scenarios). Learn more | | | |
| Password protection | Manage migration | On September 30th, 2025, the legacy multifactor authentication an | d self-service password reset policies will be deprecated and you'll manage all authentication methods h | ere in |
| 📙 Registration campaign | | the authentication methods policy. Use this control to manage you | r migration from the legacy policies to the new unified policy. Learn more | |
| Q Authentication strengths | | Manage migration | | |
| 🌵 Settings | Method | Target | Enabled | |
| Monitoring | FIDO2 security key | All users | Yes | |
| mi Activity | Microsoft Authenticator | | No | |
| User registration details | SMS | | No | |
| Registration and reset events | Temporary Access Pass | | No | |
| 👶 Bulk operation results | Hardware OATH tokens (Previ | ew) | No | |
| | Third-party software OATH to | kens | No | |
| | Voice call | | No | |
| | Email OTP | | Yes | |
| | Certificate-based authenticati | on | No | |

3. *FIDO2 security key settings* defaults to the *Enable and Target* tab. Here you can enable security keys and define allowed users. **Include All users** and leave the registration as **Optional**.

| Home > | | |
|--|--|--|
| FIDO2 security key settings | | × |
| | | |
| FIDO2 security keys are a phishing-resistant, standards-based pa FIDO2 keys are not usable in the Self-Service Password Reset flo | isswordless authentication method av w. | ailable from a variety of vendors. Learn more. |
| Enable and Target Configure | | |
| Enable | | |
| Include Exclude | | |
| Target 💿 All users 🔿 Select groups | | |
| Name | Туре | Registration |
| All users | Group | Optional \checkmark |
| | | |
| | | |
| Save Discard | | |

4. On the *Configure* tab, make sure the **settings are as depicted below**. This is the only configuration we will support at this time.

Enforced Attestation

Microsoft uses the *Enforce attestation* feature to ensure the FIDO2 authenticator is certified by the FIDO Alliance and approved by Microsoft's team. HYPR's AAGUID was added as an approved FIDO2 Authenticator on March 2023. HYPR supports this setting as either *True* or *False*.

FIDO2 security key settings

| FIDO2 security keys are a phishing-resistan FIDO2 keys are not usable in the Self-Service | t, standards-based passwordless authentication method available from a ce Password Reset flow. |
|--|---|
| Enable and Target Configure | |
| GENERAL | |
| Allow self-service set up | Yes No |
| Enforce attestation | Yes No |
| KEY RESTRICTION POLICY | |
| Enforce key restrictions | Yes No |
| Restrict specific keys | Allow Block |
| Add AAGUID | |
| No AAGuids have been added. | |

Enable Security Keys in Intune

Once security keys are enabled in Entra, you must set a policy in Intune (i.e., Endpoint Manger) which will allow for security key login on Windows OS. Follow Microsoft's instructions on setting up Intune policies for security key-enabled logins.

Setting Up the HYPR Tenant

When up and running, make sure HYPR has enabled the necessary features to support HYPR Enterprise Passkeys.

To install a new Enterprise Passkeys integration in Control Center:

- On a new tenant, navigate to Integrations > Add New Integrations > Microsoft Entra ID.
- 2. You will be prompted to select your login experience. For the FIDO2 Mobile Authenticator, select **Native Microsoft Entra Login Experience**, and click **Next**.



3. You are presented a form which contains the HYPR Application Name and all of the Entra-related data needed for HYPR to connect to the Entra tenant. These are the items created/captured above; complete the fields as follows:

| Microsoft En Identity Provider | tra ID | | |
|-----------------------------------|-------------|----------------|----------------------|
| User Management | Audit Trail | Login Settings | Integration Settings |
| Integration Settin | ıgs | | |

Integration Status

ENABLED

This integration is enabled. If disabled, all users with a Microsoft Entra ID account in your organization will not be able to authenticate with HYPR.

Native Microsoft Entra Login Experience

This setup will allow you to use HYPR Mobile App as an Enterprise Passkey directly against your Microsoft Entra environment. This option is for integrations where the workstations that are Microsoft Entra joined or Microsoft Entra hybrid joined. For more information view docs.



Application Name

HYPR Native Passkeys

The web account name as it will appear in mobile device and PUSH notifications

Tenant ID

c45fdf2d-fcb1-4c61-acOc-ec7f865eccdc

The global tenant ID defined by Microsoft Entra ID

Client ID

107329c7-4b76-4c4b-9a68-bed57969df3d

The custom HYPR application's client ID (also referred to as Application ID in Microsoft Entra ID)

Client Secret

The Client secret which was generated for the Client ID provided above

Client Certificate

Client Certificate

Provide the PEM-encoded certificate to authenticate requests using the certificatebased method.

Client Private Key

Client Private Key

Provide the PEM-encoded private key to authenticate requests using the certificatebased method.

Update Integration

//.

- Application Name: Only alphanumeric, spaces, dash, underscores, or trailing - or _ are allowed; this is the same validation rule for all HYPR RP Application names (rpAppId); the namespace is limited to 23 characters
- Tenant ID: The ID of the tenant
- Client ID: The ID of the client/application in Entra AD
- *Client Secret*: The secret associated with the client/application **OR**
- Client Certificate
- Client private Key
- 4. When you are finished, click Add Integration; if Add Integration is successful, it confirms all of the parameters provided were validated and HYPR can now connect to Entra, You will be presented a popup box. Click Maybe Later.

| uthentication. | |
|---|---|
| et started by enrolling your uthentication (Link will oper | self and registering a device for n a new tab) |
| uthenticution (Link win oper | |

5. Navigate to the Login Settings Tab and download the Windows Desktop Client



Note: Starting 10.1, there is no toggle switch for Fido Gateway, BLE and Wi-Fi in the Login Settings Tab

Additional:

Enabling FIDO2 Passwordless Security Key on Windows

FIDO2 security key sign-in to Windows - Microsoft Entra ID | Microsoft Learn

<u>Three ways of enabling security key sign-in on Windows 10 & Windows 11 | by Jonas</u> <u>Markström | Medium</u>

*Registration



*Authentication

2 authentication.mp4

*Offline PIN Login



3 offline pin EPK.mp4

*Web login

