

Nothing to remember.
Nothing to steal.
You are the key.



CyberArk Privileged Access Manager

Keyless Authentication

Keyless provides security-enhancing and privacy-preserving passwordless authentication to CyberArk Privileged Access Manager solution using the **OpenID Connect (OIDC)** authentication standard. Keyless acts as an identity provider (IdP), authenticating users using a strong cryptographic based digital signature that is immutable and tamper-proof.

Prerequisites

As part of your onboarding with Keyless, you should have received the items below. If you don't have one or more of the items, please reach out to your primary Keyless contact or to info@keyless.io.

[Click here to get your credentials from our delivery team.](#)

OIDC Configuration

Item	Purpose
Client ID	Identification parameter
Client Secret	Identification secret
Well-known URL	The well-known page is a public URL where public information can be gathered, such as Issuer and Endpoints

CyberArk Configuration

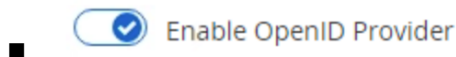
PVWA Settings

1. Sign into CyberArk PVWA as a user with admin privileges
2. Navigate to **Administration > OIDC Authentication**
3. Complete the OIDC configuration with the following values (adjusting if required to meet your desired behavior)
 - **Display name (optional):** Keyless Login (change the name if required to meet your organizations requirements)
 - **Provider ID:** Keyless (change the name if required to meet your organizational requirements)
 - **Discovery URL:** Enter the value of the **Well-known URL** provided by Keyless as of the **Prerequisites** above
 - **Client ID:** Enter the value of **ClientID** provided by Keyless as of the **Prerequisites** above
 - **Client Authentication method:**
 - Ensure that Basic is select (as displayed in the image below)



- Enter the value of **Client Secret** provided by Keyless as of the **Prerequisites** above

- **Username claim (optional):** preferred_username
- Select **Enable OpenID provider** (as displayed in the image below)



- Select **Save**

4. Navigate to **Administration > Configuration options**, and then select **Options**
 - Navigate to **Access Restriction** and right click to select **Add AllowedReferrer**
 - Properties
 - **BaseUrl:** https://idp.keyless.io
 - Select **Apply** and then select **Ok**
 - Navigate to **Authentication Methods** and select the value of the Provider ID as entered in step #3 above, and update the properties as outlined below:
 - **DisplayName:** Keyless (or the name of your choice)
 - **Enabled:** Yes
 - Select **Apply** and then select **Ok**

Optional – Enforce Passwordless Authentication

By default, CyberArk Privileged Access Management solution allows users to sign in either with their username and password or an alternative logon option. This behavior can be changed to mandate passwordless only logging to PVWA. Follow the steps below to enforce passwordless authentication:

1. Sign into CyberArk PVWA as a user with admin privileges
2. Navigate to **Administration > Configuration Options**, and then select **Options**
3. Navigate to **Authentication Methods** and select an authentication method that is not **SAML** or **OIDC**, for example, windows
4. Set the value of Properties as below:
 - **Enabled:** No
5. Repeat steps #3 and #4 to disable other authentication options