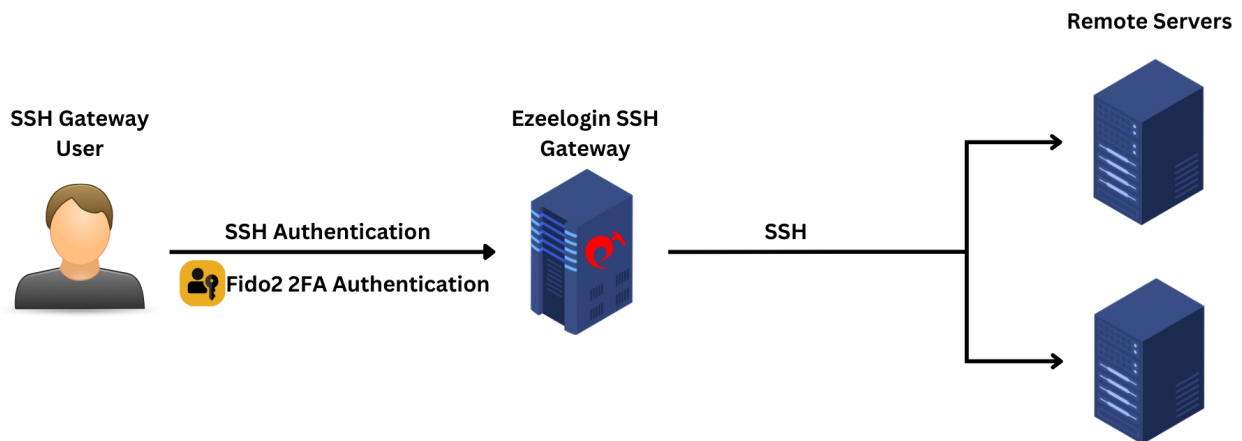


# Configure FIDO2 with Ezeelogin

651 Nesvin KN July 26, 2024 [Security Features](#) 1197

## How to enable/disable FIDO2 authentication with Ezeelogin?

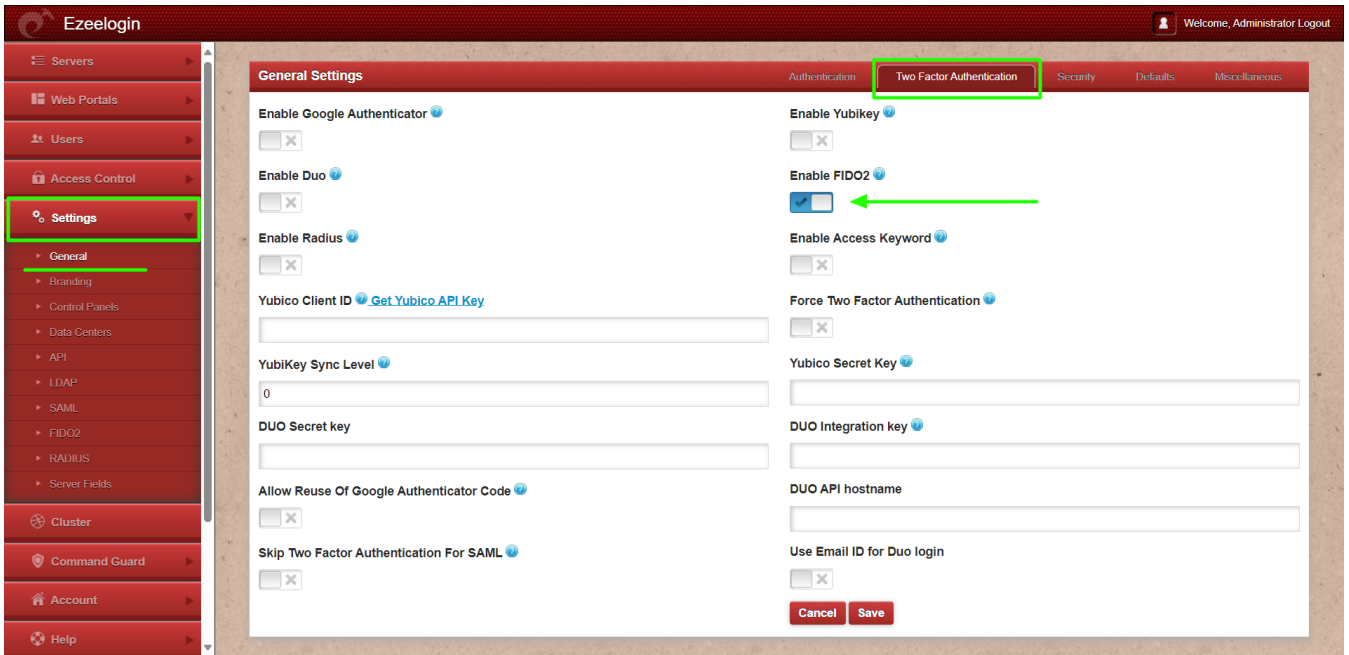
FIDO2, shorthand for Fast Identity Online, comprises open standards designed for secure and convenient authentication. By diminishing dependence on passwords and incorporating robust authentication methods such as biometrics and hardware tokens, FIDO2 seeks to enhance the overall security of online accounts and services.



This feature is available from **Ezeelogin version 7.37.0**. [How to upgrade the Ezeelogin version to the latest?](#)

Make sure requires access Ezeelogin via a **valid domain name and valid SSL Certificate** to enable FIDO2 authentication, as self-signed certificates and IP addresses are not supported

1. Login to Ezeelogin GUI and navigate to **Settings -> General -> Two Factor Authentication -> Enable FIDO2**.



2. Enable the **Authenticator Types** and **Save** the settings.

**Ezeelogin** Welcome, Administrator Logout

**FIDO2 Settings**

**FIDO2 Relying Party**  
Ezeelogin

**User Verification**  
Discouraged

**Match Root Certificate**

**Client-side Discoverable Credentials**

**Require User Present**

**Attestation**

**CTS Profile Match**

Cancel Save

**Authenticator Types**

**USB**

**Bluetooth**

**Internal**

**NFC**

**Hybrid**

Cancel Save

**Attestation Statement Formats**

**Android Key**

**Apple**

**None**

**TPM**

**Android SafetyNet**

**FIDO U2F**

**Packed**

Cancel Save

**Attestation Root Certificates**

**FIDO Alliance Metadata Service**

**Yubico**

**Hypersecu**

**Apple**

**SoloKeys**

**Google**

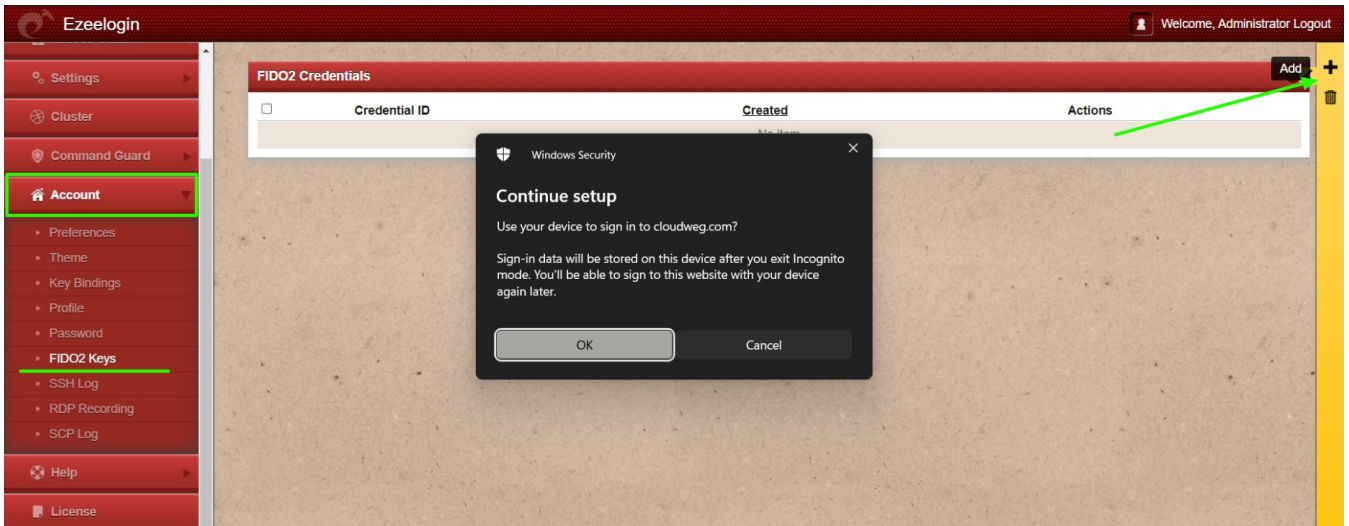
**Microsoft**

Cancel Save

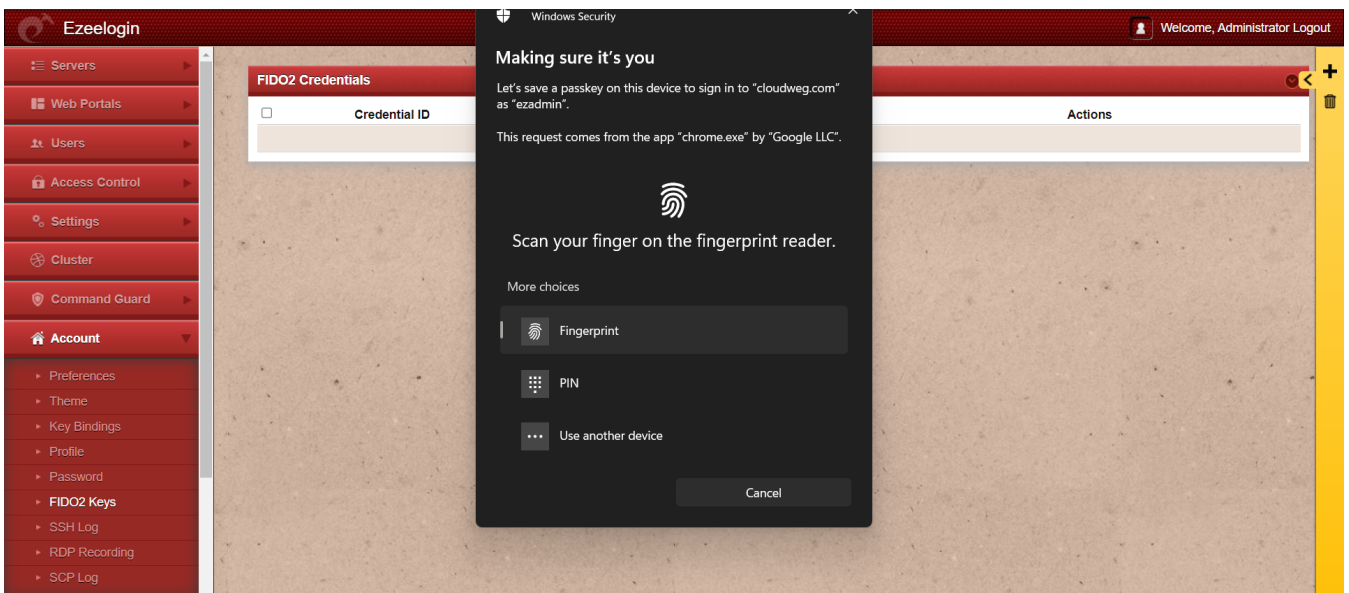
**Note:** Nothing checked = accept all

If you select a root certificate authority, direct attestation is required to validate the client with the root.  
The browser may warn you that it will provide information about the user device.  
When not checking against any root certificate authority (deselect all certificates), the client may change the assertion from the authenticator (for instance, using an anonymization CA), the browser may not warn about providing information about the user device.

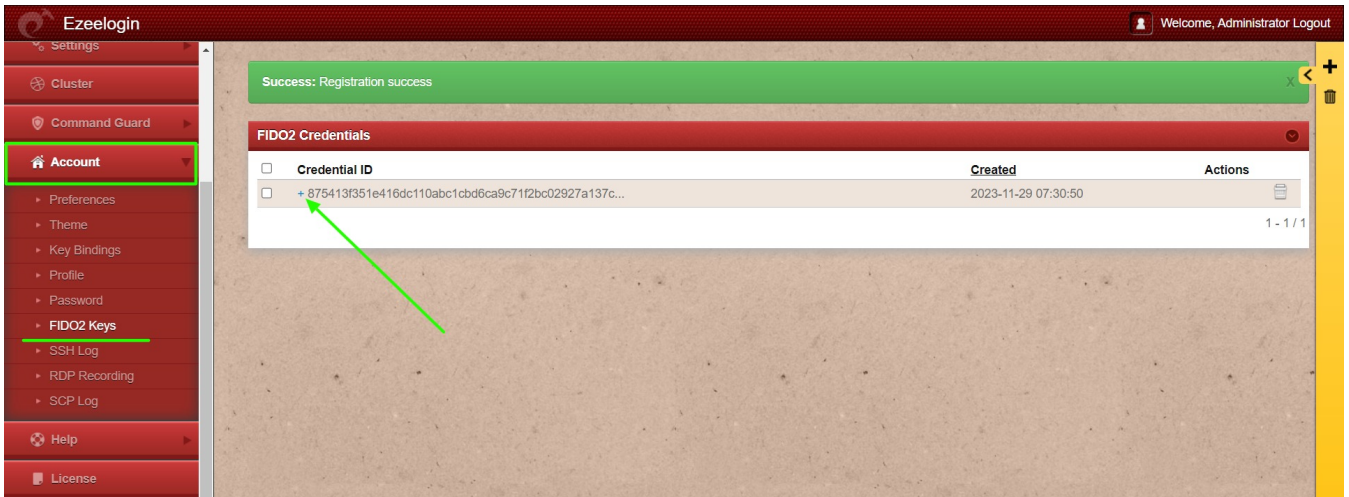
3. Navigate to **Accounts** -> **Fido2 Keys** -> **Add new**. Click on **OK** to continue setup to add FIDO2 keys.



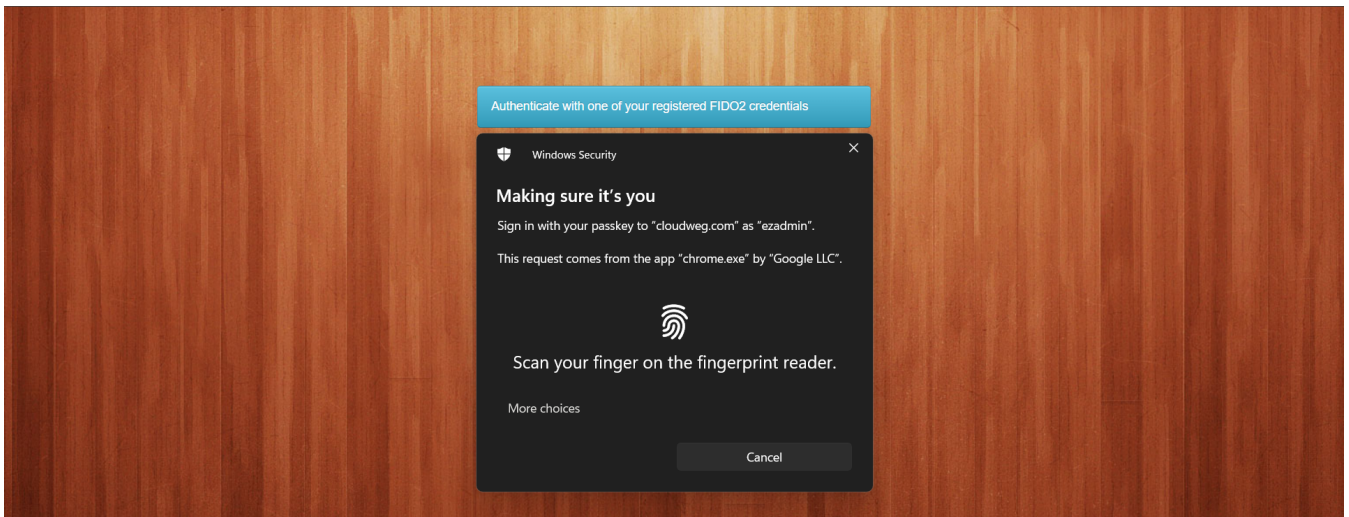
4. Continue with your **fingerprint, PIN, security key, or Android device** to complete the setup, and the new FIDO2 ID will appear in the FIDO2 keys tab.



5. If registration is successful, the user can see the message '**Success: Registration success.**' More registration details can be seen using the **view** button.



6. Log out and log back into the GUI to confirm that FIDO2 authentication is working correctly with the method chosen in the above step.



7. Log in to the backend (ezsh) and confirm that FIDO2 authentication works there as well. Copy the link to the browser, use the authentication method, and press any key in the shell to authenticate to ezsh.

```

Open the following URL in a web browser for FIDO2 authentication:
https://cloudweg.com/ezlogin/index.php/auth/fido2_ezsh/b83f45b7-776e-499e-b8a1-92b4e926d8f2
Valid for 3 minutes.
Press 'x' to exit.
After authenticating, press any other key to continue. |

```

How to disable FIDO2 2FA (Two-factor Authentication) from the backend?

Run the below commands to disable FIDO2.

```
root@gateway ~]# php /usr/local/ezlogin/ez_queryrunner.php "update
prefix_settings set value='N' where(name='enable_fido2')"
```

Run the below commands to clear all FIDO2 registrations of all gateway users.

### **No Two-factor Authentication enabled**

This error happens when we enforce Two-Factor authentication without enabling any of the Two-Factor authentications. Run the following command to disable **Force Two Factor Authentication**.

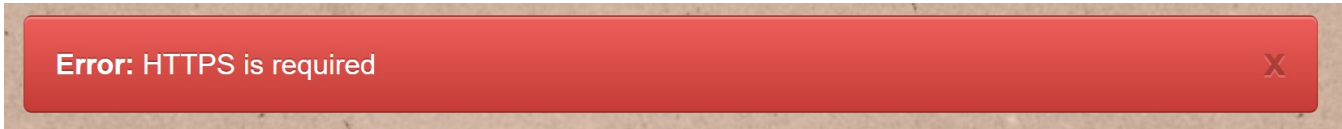
```
root@gateway ~]# php /usr/local/ezlogin/ez_queryrunner.php
"update prefix_settings SET value = 0 WHERE name
= 'two_factor_auth' "
```

```
root@gateway ~]# php
/usr/local/ezlogin/ez_queryrunner.php "update
prefix_usergroups SET force_tfa = 'N' "
```

Common errors while setting up and authenticating with FIDO2

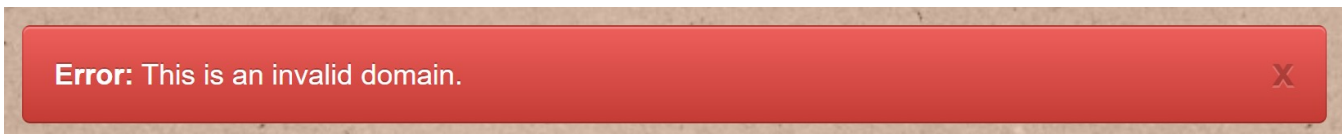
authenticator.

**1. Error: HTTPS is required**



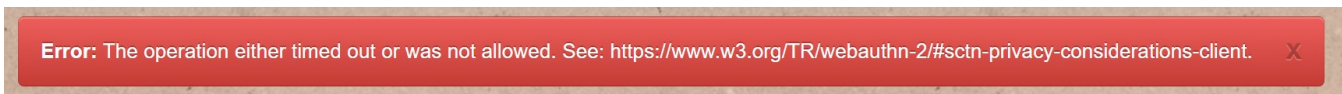
Ezeelogin needs to be accessed with a valid certificate to enable FIDO2 authentication, and self-signed certificates will not work.

**2. Error: This is an invalid domain.**



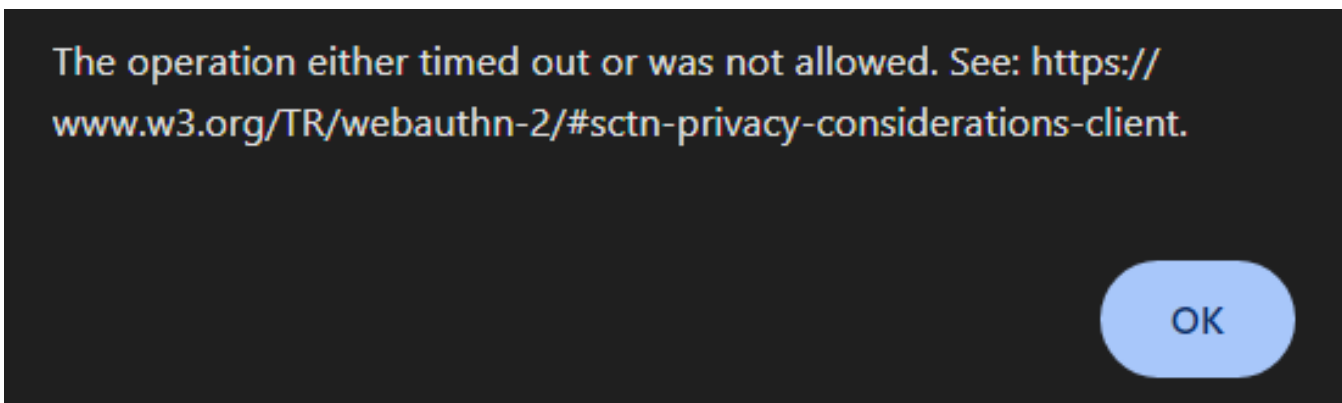
Ezeelogin needs to be accessed with a domain name to enable FIDO2 authentication, and accessing it via an IP address will not work.

**3. Error: The operation either timed out or was not allowed. See: <https://www.w3.org/TR/webauthn-2/#sctn-privacy-considerations-client>.**



This error usually occurs when you cancel the setup of FIDO2 authentication. Try to re-setup and complete the FIDO2 authentication setup.

**4. The operation either timed out or was not allowed. See: <https://www.w3.org/TR/webauthn-2/#sctn-privacy-considerations-client>.**



This error usually occurs when you cancel the authentication prompt while trying to log in to the GUI. Refresh the browser tab or access Ezeelogin within a new tab to resolve the issue.

Online URL: <https://www.ezeelogin.com/kb/article/configure-fido2-with-ezeelogin-651.html>