# Configure DUO 2FA in Ezeelogin SSH Jumphost

164 admin October 5, 2024 Security Features, Two Factor Authentication (2FA) 11172

## How to enable/disable DUO 2fa in Ezeelogin?

**Overview:** This article provides a comprehensive guide on configuring and managing Duo two-factor authentication (2FA) for Ezeelogin gateway users. It also covers methods to disable duo 2FA through both the GUI and backend commands.



Note:

Do check out the duo ssh jump host configuration video as well.

#### **1.** How to enable DUO **2FA** (Two-factor Authentication) in Ezeelogin?

Step 1(A): Create your account on <u>duo.com</u> and log in. Navigate to Applications -> Protect an Application

Step 1(B): Search for Web SDK and click on Protect this Application

Dashboard		Dashbo	ard > Applications > Protect an Application			
Policies	~	Pro	otect an Application			
Applications	^	web	SDK			
Protect an Appli	cation					
Authentication F	Proxy	Applic	ation	Protection Type		
Users	~	0				
Groups	~		Partner WebSDK	2FA	Documentation 🗹 Protect	
Endpoints	~					
2FA Devices	~	6	Web SDK	2FA	Documentation 🗗 Protect	
Administrators	$\sim$					
Reports	~					
Settings						

**Step 1(C):** Copy the **Integration Key**, **Secret Key**, and **API Hostname** and paste them on Ezeelogin GUI. Also, enter a custom name for this Application Under Settings.

Dashboard		Successfully add	ed Web SDK to protected applications. Add another.	
Policies Applications	~	Dashboard > Applications >	Web SDK	
Protect an Applic	cation	Web SDK		Authentication Log   📋 Remove Application
Authentication P	Proxy	See the Duo Web SDK Do	cumentation ⊡ to integrate Duo into your custom web application.	
Users	~			
Groups	~	Details		Reset Client Secret
Endpoints	~	Client ID	Сору	
2FA Devices	$\sim$			
Administrators	~	Client secret	Сору	
Reports	~		Don't write down your client secret or share it with anyone.	
Settings		API hostname	Copy	
Billing	$\sim$			
		Universal Prompt	<ul> <li>✓ See Update Progress Progress updating across all applications.</li> <li>✓ Activation complete</li> <li>✓ Activation Supports Universal Prompt</li> </ul>	
		Settings		
Universal Prompt <ul> <li>See Update Progress Progress updating across all applications.</li> <li>C Get More Information [] Learn more about the new prompt experience.</li> </ul> <li>Activation complete         <ul> <li>Abolication Supports Universal Promot</li> </ul> </li> <li>Settings         <ul> <li>Type</li> <li>Web SDK</li> </ul> </li>				
		Name	Ezeelogin SSH Jumphost Duo Push users will see this when approving transactions.	
		Self-service portal	Upgrade your plan to use this feature Let users remove devices, add new devices, and reactivate Duo Mobile See Self-Service Portal documentation [].	
			To allow Duo to notify users about self-service portal activity, select Settings > Notifications	

**Step 1(D):** Enable duo 2FA in the Ezeelogin GUI with an **admin privileged user**. Log in to the Ezeelogin GUI, navigate to **Settings** -> **General** -> **Two Factor Authentication** -> **Enable Duo**, and paste the **DUO Integration Key**, **Secret Key**, and the **API hostname** in the highlighted fields below, then click on the **save** button.

Note:

In order to avoid the " **invalid\_grant** " or " **An Error Was Encountered** "error, make sure to access the Ezeelogin GUI with SSL(HTTPS) and a domain name.

Refer to the article "error": <u>"invalid grant"</u>, "error description"

Ezeelogin		Welcome, Administrator Logout
🗉 Servers 🕨 🏲	General Settings	Authentication Two Factor Authentication Security Defaults Miscellaneous
🖬 Web Portals 🔹 🕨	Enable Google Authenticator 💿	Enable Yubikey
tu Users ►		
Access Control	Enable Duo 😨	Enable FIDO2 🐷
°₀ Settings		×
General	Enable Radius 🕑	Enable Access Keyword 🕑
Branding	Yubico Client ID @ Get Yubico API Key	Force Two Factor Authentication
Control Panels     Data Centers	Tubico cilent ib e det tubico Ari Rey	
≻ API	YubiKey Sync Level 🞯	Yubico Secret Key 🥪
► LDAP ► SAML	0	
<ul> <li>FIDO2</li> </ul>	DUO Secret key	DUO Integration key 💿
► RADIUS	b35cnO3MlhHwAzrF3csbPE7jwdALMLR9DXD9w0ig	DI9XN2V7PHHDDQ775VLX
<ul> <li>SIEM</li> <li>Server Fields</li> </ul>	Allow Reuse Of Google Authenticator Code @	DUO API hostname api-9feaa8ef duosecurity.com
🛞 Cluster	Skip Two Factor Authentication For SAML @	use Email ID for Duo login
Command Guard		×
Account		Cancel Save

**Step 1(E):** To set up Duo 2FA for user authentication, log in to the Ezeelogin GUI as the user for whom duo is to be **enabled**. Then, navigate to **Account -> Duo Authenticator -> Enable** Duo Authenticator.

Ezeelogin	Velcome, Administrator Logout
i≣ Servers ►	Enable/Disable Duo Authenticator
🖬 Web Portals 🛛 🕨	Enable
±t Users ►	
🖬 Access Control 🛛 🕨	
♥ <sub>o</sub> Settings ►	
🛞 Cluster	
Command Guard	
🐔 Account 🔍	the second s
<ul> <li>Preferences</li> </ul>	
<ul> <li>Theme</li> <li>Key Bindings</li> </ul>	
► Profile	
Password     Duo Authenticator	
SSH Log     RDP Recording	
<ul> <li>RDP Recording</li> <li>SCP Log</li> </ul>	
🔇 Help 🕨 🕨	
, License	

Step 1(F): Log out and re-login into the web panel and duo two-factor authentication will be asked.

What is this? C'   Need help?   Powered by Duo Security Call Me Enter a Passcode		Choose an authentication method ☐ Duo Push ✓ Used automatically	Send Me a Push
Need help? Passcode Enter a Passcode	Y		
Powered by Duo Security		Passcode	Enter a Passcode
	Powered by Duo Security		
Pushed a login request to your device Cance	Pushed a login request to	your device	Cancel

Step 1(G): The backend 2fa method will also be using Duo 2FA.



Note:

If an Ezeelogin user wants to enable DUO 2FA, but Admin has disabled force two-factor authentication, then that particular user must log into the GUI and enable DUO 2FA under Account -> DUO Authenticator then logout and re-login again into the web panel and you would be asked for DUO two-factor authentication.

### 2. How to disable DUO 2FA (Two-factor Authentication) from the GUI?

Ezeelogin		Welcome, Administrator Logout
E Servers	General Settings	Authentication Two Factor Authentication Security Defaults Miscellaneous
🖬 Web Portals 🔹 🕨	Enable Google Authenticator	Enable Yubikey 🔍
±t Users ►		
Access Control	Enable Duo 🧼	Enable Access Keyword 😡
°₀ Settings 🗸		×
General	Enable Radius 🥑	Force Two Factor Authentication
Branding		
Control Panels     Data Centers	Yubico Client ID @ <u>Get Yubico API Key</u>	Yubico Secret Key 👻
API	YubiKey Sync Level 🕡	DUO Integration key 🕡
► LDAP	0	
<ul> <li>SAML</li> <li>RADIUS</li> </ul>	DUO Secret key	DUO API hostname
<ul> <li>Server Fields</li> </ul>		
🛞 Cluster	Allow Reuse Of Google Authenticator Code @	Use Email ID for Duo login
Command Guard	×	Cancel Save
💣 Account 🛛 🕨	Skip Two Factor Authentication For SAML @	

**Step 2(A):** To disable Duo 2FA **globally**(Duo 2FA will be disabled for all users), navigate to **Settings** -> **General** -> **Two Factor Authenticator** -> **Disable Duo** 

**Step 2(B):** To disable Duo 2FA for a **single user**, log in to the Ezeelogin GUI as the user for whom duo is to be **disabled**, navigate to **Account -> Duo Authenticator -> Disable** 

Access Control		
Access Control	Enable/Disable Duo Authenticator	0
o Settings	Disable	
Command Guard		
Account		
Preferences		
Duo Authenticator		
SSH Log		

Emergency CLI Method

Run the below commands to disable and clear DUO 2FA. Replace the username to disable DUO for that user.

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

root@gateway:~# php /usr/local/ezlogin/ez\_queryrunner.php "update prefix\_users set set\_duo=0 where username='ezadmin'"

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'"

#### **Related Articles:**

Enable/Disable two-factor authentication in Ezeelogin

Error: No Two-factor Authentication enabled in GUI

Disable two-factor authentication from the backend

How to reset the 2fa of an ezeelogin user?

Online URL:

https://www.ezeelogin.com/kb/article/configure-duo-2fa-in-ezeelogin-ssh-jumphost-164.html