

# How to enforce 2 Factor Authentication on user login?

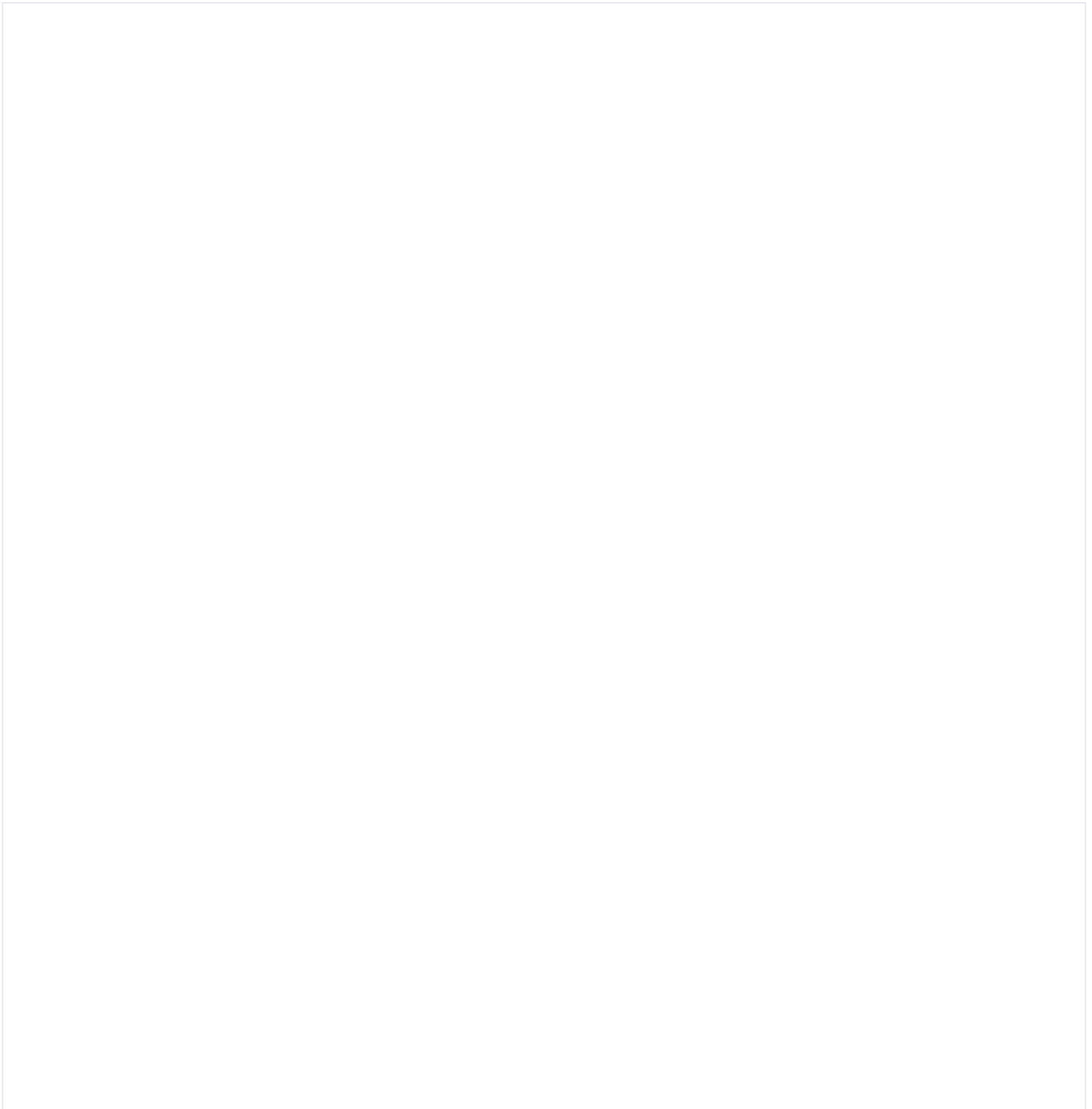
238 admin October 12, 2024 [Features & Functionalities](#), [Security Features](#), [Two Factor Authentication \( 2FA \)](#) 11503

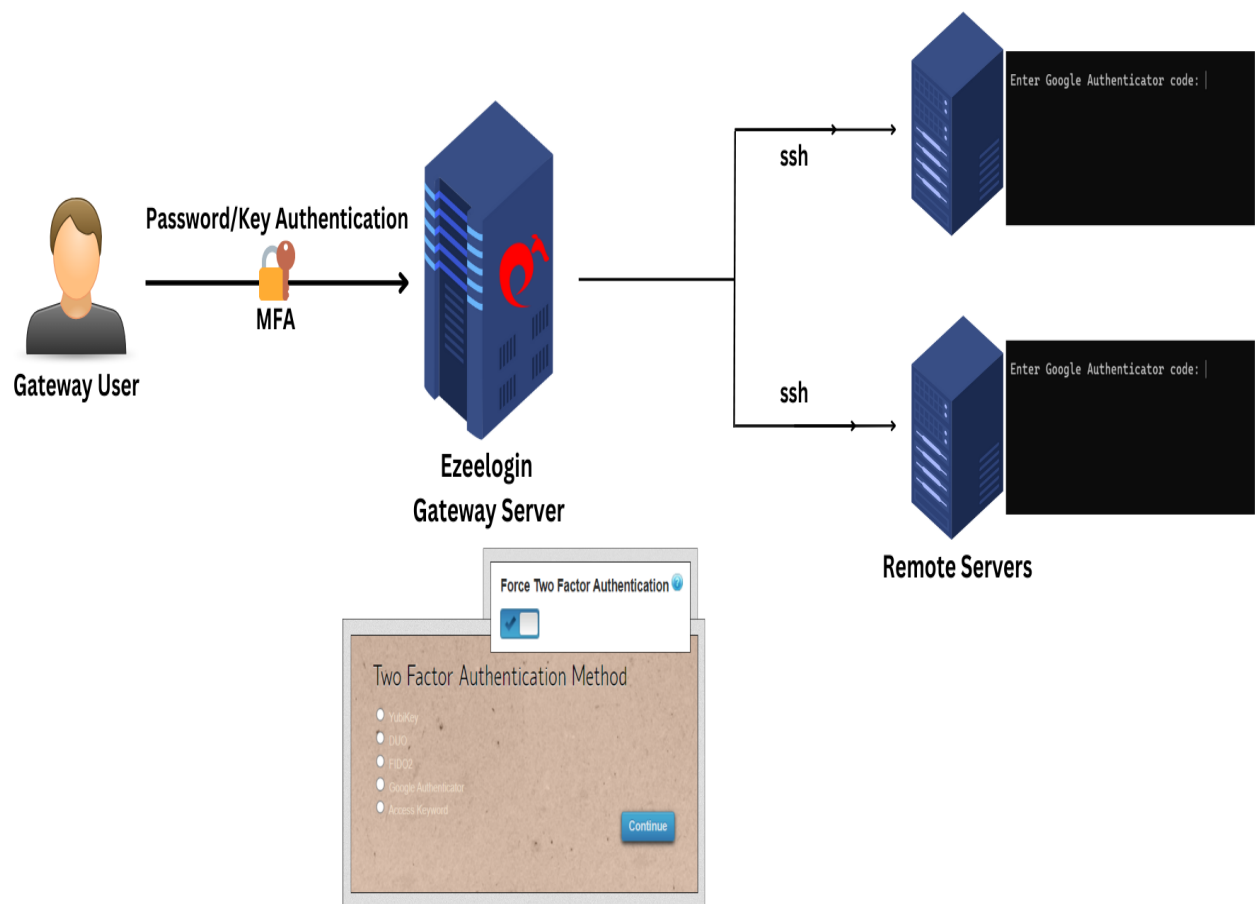
## Enforce 2fa on user login

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**Overview:** This article provides an overview of [Two-Factor Authentication \(2FA\)](#) implementation options: enforcing 2FA globally for SSH and web interfaces, and selectively for user groups, along with configuration instructions and method setup details.

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You have two options for implementing Two-Factor Authentication (2FA) for user logins:

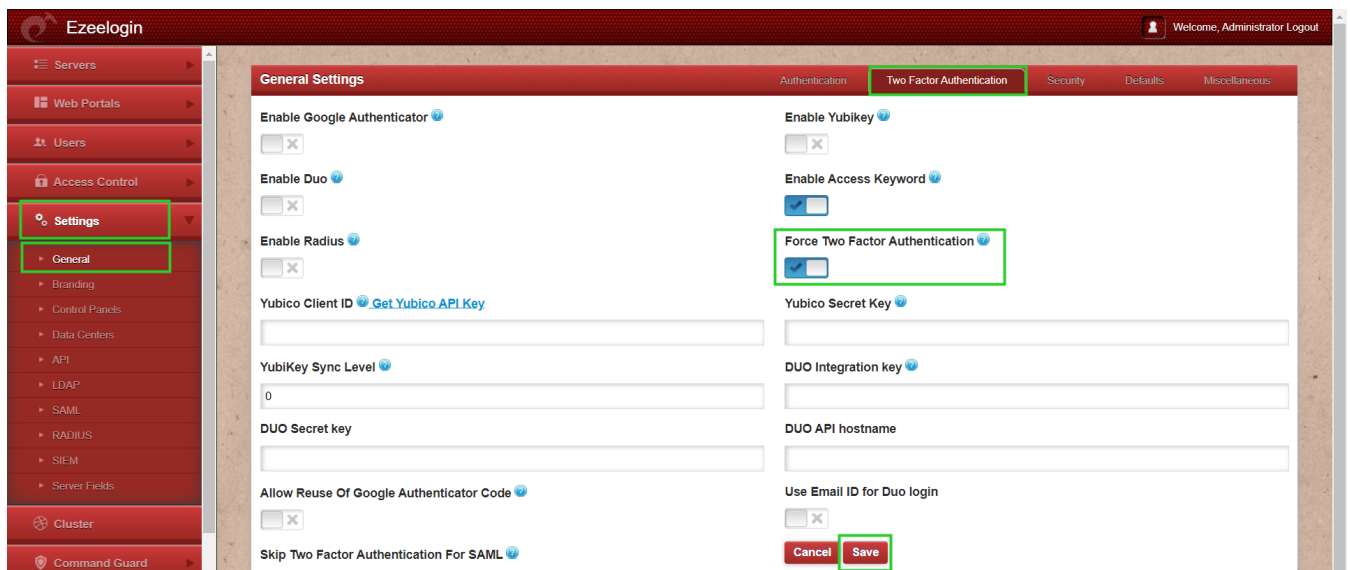
1. Enable 2FA for all users globally.

2. Implement Two-Factor Authentication (2FA) for designated user groups as per their specific requirements and access levels.

## 1. Enable 2FA for all users globally.

Enable the **force 2fa** to enforce [Two-Factor Authentication \(2FA\)](#) for both Ezeelogin backend (ezsh) and the web interface, requiring all users to use 2FA globally for added security.

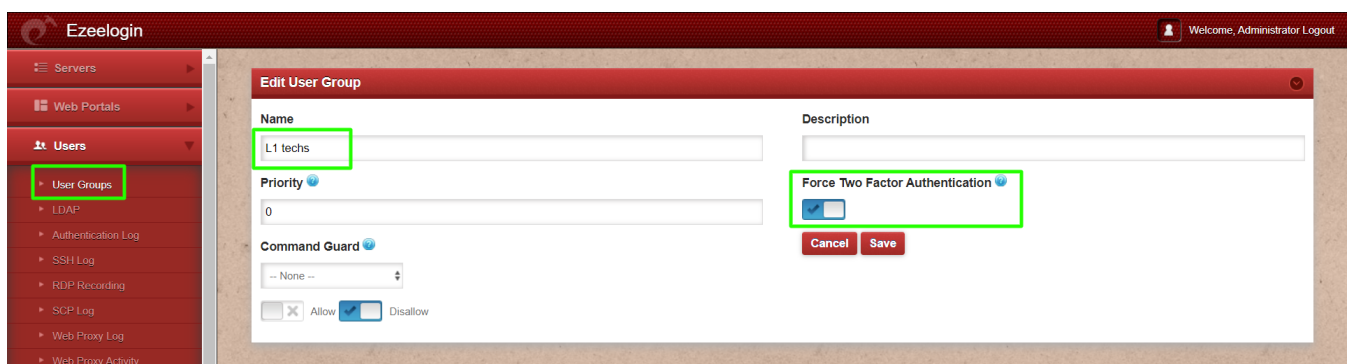
**Step 1(A):** Under **Settings -> General -> Two-factor authentication -> enable force 2fa**.



## 2. Implement Two-Factor Authentication (2FA) for designated user groups

It is possible to activate mandatory Two-Factor Authentication (2FA) selectively for specific user groups based on particular requirements.

**Step 2(A):** Under **Users -> User Groups -> Select the user group -> enable force 2fa -> save**



It is possible to enable the different 2-factor mechanisms that will be available for the gateway user to setup.

The screenshot shows the Ezeelogin web interface. On the left, a sidebar menu has 'Settings' highlighted. The main content area is titled 'General Settings' and has tabs for 'Authentication', 'Two Factor Authentication' (which is active), 'Security', 'Defaults', and 'Miscellaneous'. Under the 'Two Factor Authentication' tab, there are two columns of settings. The left column includes 'Enable Google Authenticator', 'Enable Duo', 'Enable Radius', 'Yubico Client ID' (with a link to 'Get Yubico API Key'), 'YubiKey Sync Level' (set to 0), 'DUO Secret key', 'Allow Reuse Of Google Authenticator Code' (unchecked), and 'Skip Two Factor Authentication For SAML' (unchecked). The right column includes 'Enable Yubikey', 'Enable FIDO2', 'Enable Access Keyword', 'Force Two Factor Authentication' (checked), 'Yubico Secret Key', 'DUO Integration key', 'DUO API hostname', and 'Use Email ID for Duo login' (unchecked). At the bottom right are 'Cancel' and 'Save' buttons.

Relogin, into the Ezeelogin GUI, and the user will be prompted to set up the 2-factor method if he hasn't set up any. Set up any 2fa method of your choice from here.

This screenshot shows a selection screen for the 'Two Factor Authentication Method'. The title 'Two Factor Authentication Method' is at the top. Below it, there are five radio button options: 'YubiKey', 'DUO', 'FIDO2', 'Google Authenticator', and 'Access Keyword'. The 'Continue' button is positioned at the bottom right of the selection area.

To configure additional [Two-Factor Authentication \(2FA\)](#) methods, log in to the WebGUI and navigate to the **accounts tab** to set up **multiple 2FA** options..

We have set up Google 2fa and Access Keyword successfully and will be prompted for it. In the example below, we are using [Google 2fa](#) to log in, and hence the same would be prompted in the backend shell as well.

The Ezeelogin backend would look as follows.

```
Enter Google Authenticator code: |
```

- The 2-factor mechanism used for the last login into the WebGUI would be the 2fa method in use in the backend. To change, the 2fa method in use in the backend, log into the WebGUI using the new 2fa method so that it becomes the default 2fa method for the backend.
- The two-factor Authentication tab is available only from version **7.11.0**. If you are running an old version, then 2fa methods configured under **Settings -> General -> Security** tab will be available.

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## Related Articles:

[Configure Duo 2fa in JumpServer](#)

[Configure Yubikey 2fa in the JumpServer](#)

[How to enable Access Keyword 2fa](#)

[How to enable Google 2fa in JumpServer](#)

[How to configure Radius 2fa in JumpServer](#)

Online URL:

<https://www.ezeelogin.com/kb/article/how-to-enforce-2-factor-authentication-on-user-login-238.html>