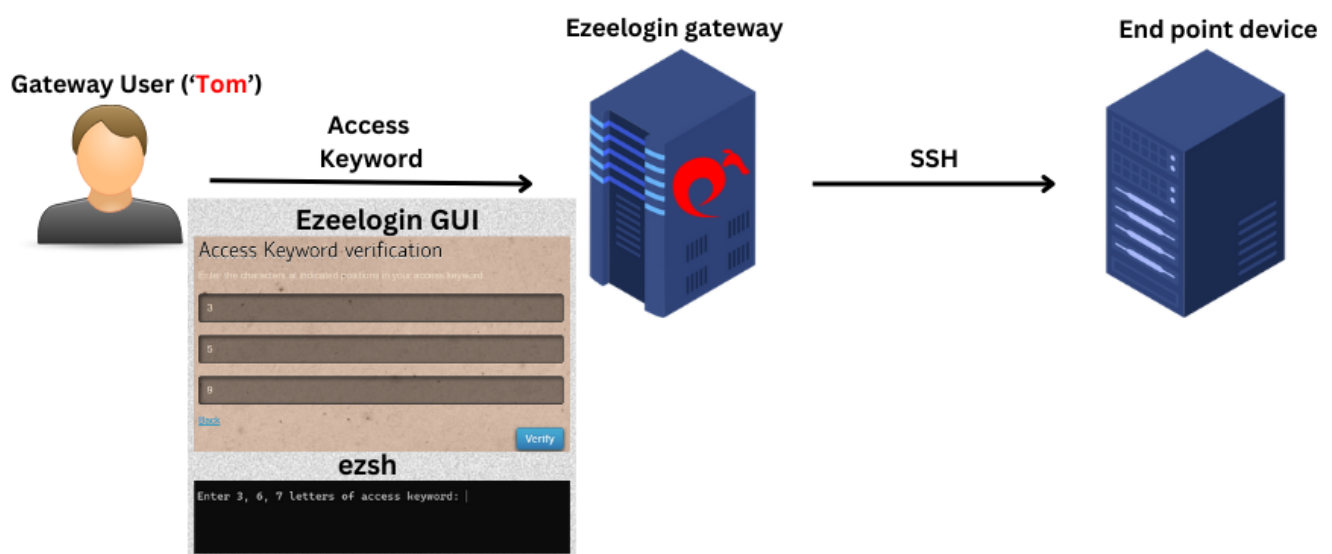


# Access Keyword 2FA explained

250 admin October 14, 2024 [Security Compliances](#), [Two Factor Authentication \( 2FA \)](#) 7494

## How to enable/disable Access Keyword 2FA (Two-factor Authentication) in Ezeelogin?

**Overview:** This article provides step by step instructions for Ezeelogin gateway users to enable or disable and reset access keyword two-factor authentication (2FA). It also covers methods to disable access keyword 2FA through GUI and via backend.



**Access keyword** is a two-factor mechanism used for securing the Ezeelogin GUI and the backend(ezsh). Ideally, it would be phrases that can be easily remembered. They should never be written down and should be stored only in your memory.

### 1. How to enable Access Keyword 2FA?

**Step 1(A):** Enable access keyword 2FA in the Ezeelogin GUI as an admin privileged user. Log

in to Ezeelogin GUI and navigate to **Settings -> General -> Two Factor Authentication -> Enable Access Keyword**.

The screenshot shows the Ezeelogin GUI with the 'Two Factor Authentication' settings page. The 'Enable Access Keyword' checkbox is checked, indicated by a green arrow. The left sidebar shows the navigation menu with 'Settings' and 'General' highlighted.

**Step 1(B):** To set up access keyword 2FA for user authentication, log in to the Ezeelogin GUI as the user for whom access keyword is to be set up. Then, navigate to **Account -> Password -> New Access Keyword -> Confirm Access Keyword** and provide the **authorization password** of the user and click on **save**.

The access keyword should have a minimum of 10 characters and at least 4 unique characters. Example of phrases that can be used for access keywords would be a phrase like "top dog bites".

The screenshot shows the Ezeelogin GUI with the 'Change password, security code, two factor secret' page. The 'New Access Keyword' and 'Confirm Access Keyword' fields are highlighted with green arrows. The left sidebar shows the navigation menu with 'Account' highlighted.

**Step 1(C):** Once access keyword has been set up Ezeelogin GUI would ask for the characters from 3 different positions while authenticating. As shown below, enter the characters from the **first, eight, and thirteenth** positions within the phrase(**top dog bites**).

Access Keyword verification

Enter the characters at indicated positions in your access keyword

1

8

13

Verify

This image shows a digital form on a textured, light brown background. At the top, the title 'Access Keyword verification' is displayed in a dark blue font. Below it, a subtitle 'Enter the characters at indicated positions in your access keyword' is in a smaller, light orange font. There are three dark grey rectangular input fields stacked vertically. The first field has the number '1' in its top-left corner, the second has '8', and the third has '13'. All fields are currently empty. To the right of the input fields, there is a blue button with the word 'Verify' in white text.

**Step 1(D):** Enter the character that would come in the **first**, **eighth**, and **thirteenth** positions within the phrase(**top dog bites**), which would be 't', ' ' and 's'. Note that, space is a character and would be counted. For example the character in the eighth position would be the **space** character, which means simply pressing the '**space**' key.

Access Keyword verification

Enter the characters at indicated positions in your access keyword

t

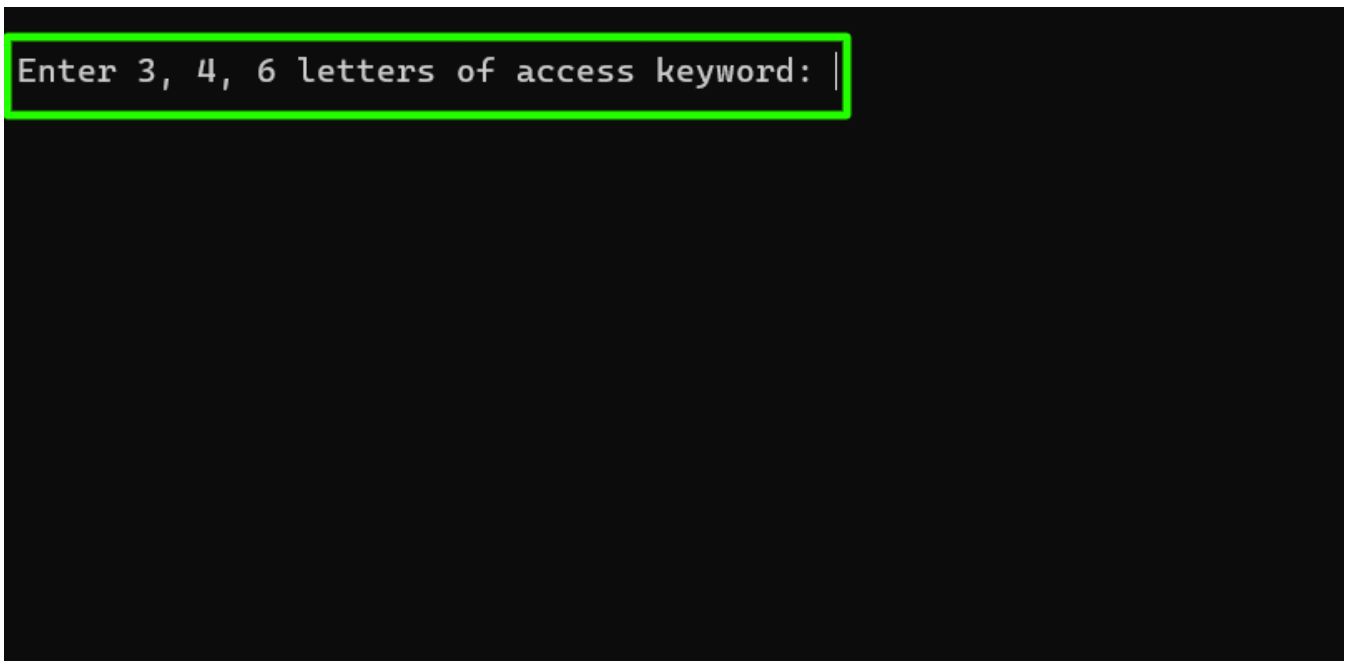
s

Verify

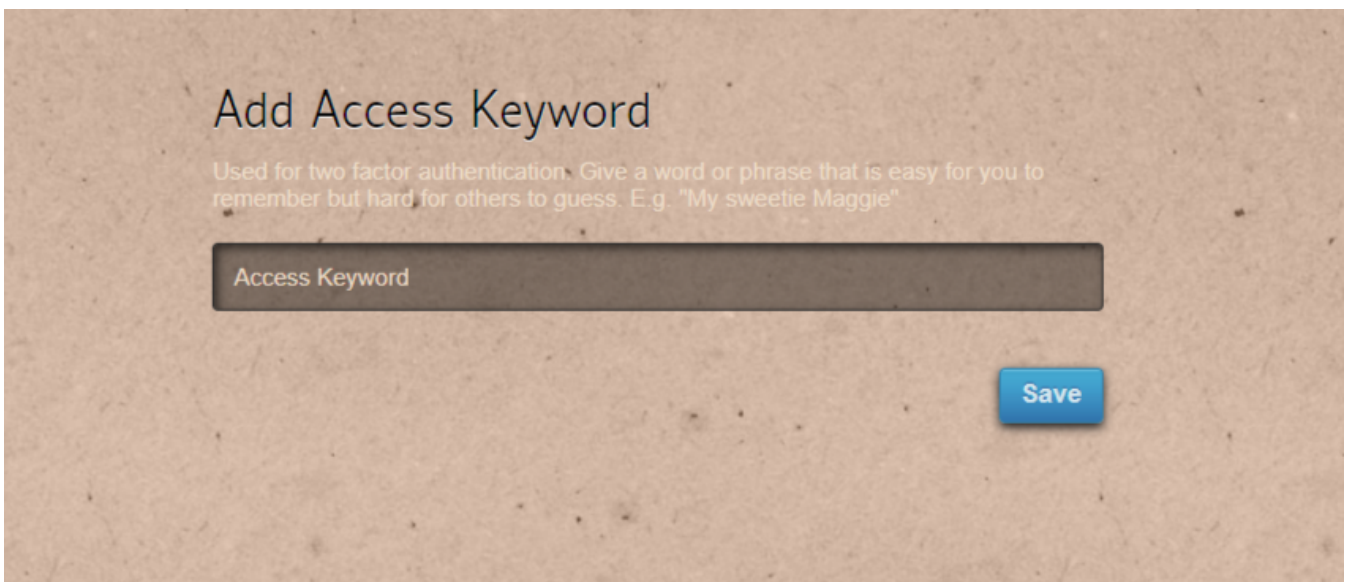
This image shows the same digital form as above, but with characters entered into the input fields. The first field now contains the letter 't', the second field is empty, and the third field contains the letter 's'. The 'Verify' button remains in the bottom right corner.

**Step 1(E):** The backend 2fa method will also be now using **access keyword**. In this case,

enter the characters in the **third**, **fourth**, and **sixth** positions within the phrase(**top dog bites**) which would be 'p', **space**', and 'o'.



**Step 1(F):** If the admin privileged user has enabled [force two factor authentication](#) and the non-privileged user has not setup access keyword, then Ezeelogin GUI will prompt to set up the access Keyword when logging in as the non-privileged user.



## 2. How to reset Access Keyword 2FA through the GUI for a non-privileged user?

**Step 2(A):** Log in as the non-privileged gateway user to the Ezeelogin GUI, navigate to

**Account -> Password -> Enter the new access keyword -> Confirm Access Keyword** and provide the **authorization password** of the user and click on **save**.

**Ezeelogin** Change password, security code, two factor secret

New Password  **Generate**

New Security Code  **Generate**

New Access Keyword

SSH Private Key

New YubiKey

Confirm Password

Confirm Security Code

Confirm Access Keyword

SSH Key Passphrase

Alternate YubiKey

Authorization Password

**Cancel Save**

**Step 2(B):** If the non-privileged user is unable to log in to the Ezeelogin GUI, then only the admin user can reset the access keyword from the GUI. Log in as admin user and select the **Reset Password** option for that non-privileged user.

**Ezeelogin** Users

find... All Rows Auto

<input type="checkbox"/>	Username ↓	First Name	Last Name	Email	Status	Expiry	User Group	Actions
<input checked="" type="checkbox"/>	John	John		john@gmail.com	Active		Dummy	Reset password
<input type="checkbox"/>	admin	Administrator			Active		Admins	

1 - 2 / 2

**Step 2(C):** Enable **Clear Two-Factor Authentication Secret** and after providing **authorization password** click on **save**.



**Change password and/or security code - John**

New Password:  Generate

Confirm Password:

New Security Code:  Generate

Confirm Security Code:

Clear Two-Factor Authentication Secret 🔗 🔑

Authorization Password 🔑:

Cancel Save

**Force Password Change** 🔑 🔑

**Users** find... All Rows Auto

<input type="checkbox"/>	Username ↓	First Name	Last Name	Email	Status	Expiry	User Group	Actions
<input checked="" type="checkbox"/>	John	John		john@gmail.com	Active		Dummy	<span>🔍</span> <span>✎</span> <span>🗑️</span>
<input type="checkbox"/>	admin	Administrator			Active		Admins	<span>🔍</span> <span>✎</span> <span>🗑️</span>

1 - 2 / 2

**Step 2(D):** Relogin as the non-privileged user and Ezeelogin GUI will prompt to set up new access keyword.

## Add Access Keyword

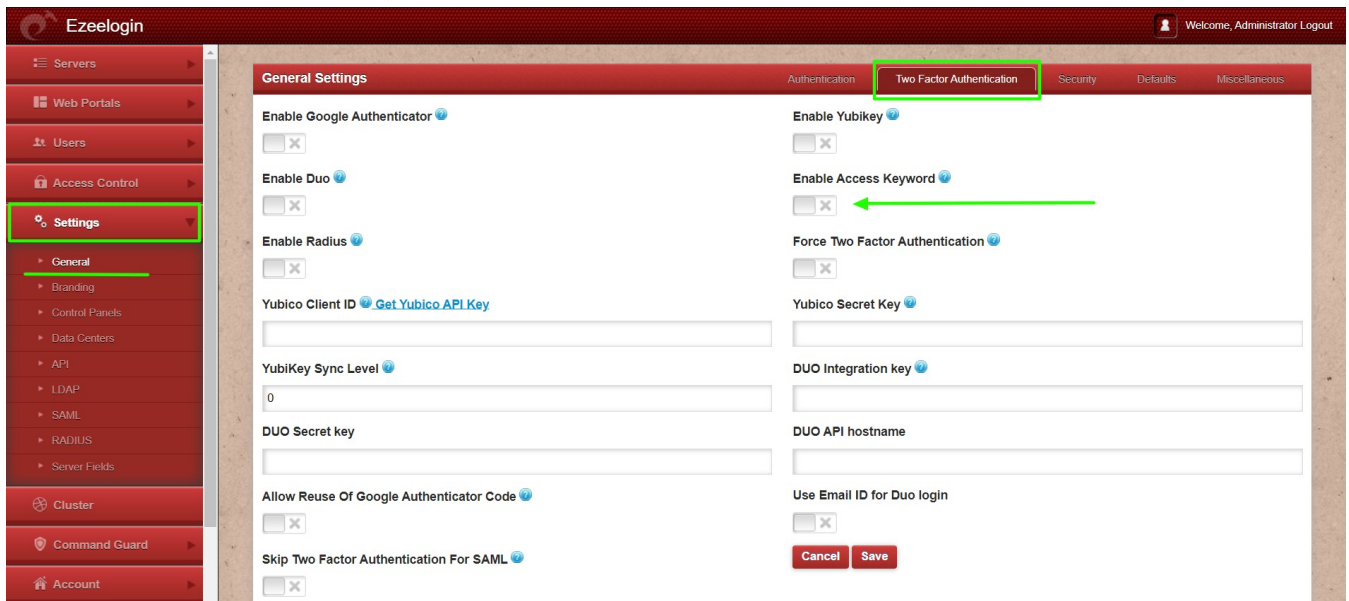
Used for two factor authentication. Give a word or phrase that is easy for you to remember but hard for others to guess. E.g. "My sweetie Maggie"

Access Keyword

Save

### 3. How to disable Access Keyword 2FA from GUI Globally?

**Step 3(A):** Navigate to **Settings** -> **General** -> **Two Factor Authentication** -> **Disable Access keyword**



## Emergency CLI Method

Run the below commands to disable and clear access keyword 2fa. Replace username to disable access keyword for that user.

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

```
root@gateway ~]# php /usr/local/ezlogin/ez_queryrunner.php "update prefix_users set eak=NULL where username='ezadmin'"
```

## 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'"
```

---

## Related Articles:

[Enable/Disable two factor authentication in Ezeelogin](#)

[Error: No Two-factor Authentication enabled in GUI](#)

[Disable two factor authentication from backend](#)

Online URL: <https://www.ezeelogin.com/kb/article/access-keyword-2fa-explained-250.html>