Access Keyword 2FA explained

250 admin October 14, 2024 Security Compliances, Two Factor Authentication (2FA) 7707

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**.

Ezeelogin				Welcome, Administrator Logout
E Servers		General Settings	Authentication Two Factor Authentication Security De	faults Miscellaneous
📲 Web Portals 🛛 🕨	*	Enable Google Authenticator @	Enable Yubikey @	
±t Users ►			×	
Access Control		Enable Duo 🝘	Enable Access Keyword 📦	
°₀ Settings 🔹		×	×	
▶ General	1.5	Enable Radius 🕑	Force Two Factor Authentication @	
▶ Branding		Vubico Client ID @ Get Vubico API Key	Villion Secret Key @	
Control Panels Data Centers				
≻ API		YubiKey Sync Level 🕡	DUO Integration key 🥝	
► LDAP	1.4	0	*****	
 RADIUS 	. A.	DUO Secret key	DUO API hostname	-
 Server Fields 		211122	******	
🛞 Cluster		Allow Reuse Of Google Authenticator Code @	Use Email ID for Duo login	
Command Guard		Skip Two Factor Authentication For SAML @	Cancel Save	
💣 Account 🔹 🕨				

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**".

Ezeelogin				Welcome, Administrator Logo
i≣ Servers ►		Change password, security code, two factor secret		
Web Portals	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	New Password		Confirm Password
±t Users ►				
Access Control		Generate		
°₀ Settings ►		New Security Code		Confirm Security Code
🛞 Cluster		Generate		
Command Guard		New Access Keyword 💿		Confirm Access Keyword
脅 Account				
 Preferences 		SSH Private Key 💿		SSH Key Passphrase 🕢
▶ Theme				
Key Bindings	140			Authorization Password
▶ Profile				
Password			h	
SSH Log	1			Cancel Save
RDP Recording				
► SCP Log	*			

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**).



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.



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 <u>force two factor authentication</u> and the non-privilged 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.

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 Reyword	

2. How to reset Access Keyword 2FA through the GUI for a nonprivileged 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		Velcome, John Logaut
E Servers	Change password, security code, two factor secret	
Account	New Password	Confirm Password
Preferences		
► Theme	Generate	
Key Bindings	New Security Code	Confirm Security Code
Password	Generate	
Duo Authenticator	New Access Keyword @	
► SSH Log		
► SCP Log	SSH Private Key 📦	Confirm Access Keyword
License		
		SSH Key Passphrase 🧶
Pawered by ezeelogin.com	//	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										Welcome, Admin	nistrator Log	gout
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■ Web Portals ►	×		<u>Username</u> ↓	First Name	Last Name	Email	Status	Expiry	<u>User Group</u>	Actions		
🎗 Users 🔍	1		John	John		john@gmail.com	Active		Dummy	🗔 🖉 T		
 User Groups 		<u> </u>	admin	Administrator			Active		Admins		Reset pass	sword
Authentication Log		-										
▶ SSH Log	1.00	·				in the second			and the second	1.		
 RDP Recording 												
 SCP Log Web Denne Long 									1			
Web Proxy Log Web Proxy Activity												

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

Ezeelogin								Welcome, Administrator Log
t≣ Servers ►	Change password	and/or security code - Jo	ohn		1. S.			
🛢 Web Portals 🛛 🕨	New Password			Co	nfirm Password			
🎗 Users 🔍 🔻								
► User Groups	New Security Code			Generate	nfirm Security Code	•		
Authentication Log								
▶ SSH Log				Au	thorization Basswo	rd 👰		
RDP Recording	Clear Two-Eactor	uthentication Secret @		Generate	unonzation Passwo	u 👻		
► SCP Log					•••••			
▶ Web Proxy Log				С	ancel Save <			
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▶ Status	□ <u>Username</u> ↓	First Name	Last Name	Email	Status	Expiry	User Group	Actions
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Access Control	admin	Administrator			Active		Admins	DJ 🦯 🔽 🛱
[©] ₀ Settings ►	1. A.							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 i remember but hard for others to guess. E.g. "My sweetie Magg	s easy for y ie''	rou to	
Access Keyword			
	•	Save	
	Sec.		

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

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

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 🗑
% Settings ▼	×	×
► General	Enable Radius 🔮	Force Two Factor Authentication 🔮
▶ Branding		
 Control Panels 	Yubico Client ID @ Get Yubico API Key	Yubico Secret Key 🥹
 Data Centers 		
► API	YubiKey Sync Level 💿	DUO Integration key 🥹
► LDAP	0	
► SAML		
► RADIUS	DUO Secret key	DUO API nostname
Server Fields		
🛞 Cluster	Allow Reuse Of Google Authenticator Code 💿	Use Email ID for Duo login
Command Guard	Skip Two Factor Authentication For SAML @	Cancel Save
🕋 Account	×	

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	o "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 backence

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