

# Add / update / delete servers through ezeelogin API

257 Manu Chacko April 8, 2025 [Productivity & Efficiency Features](#) 6748

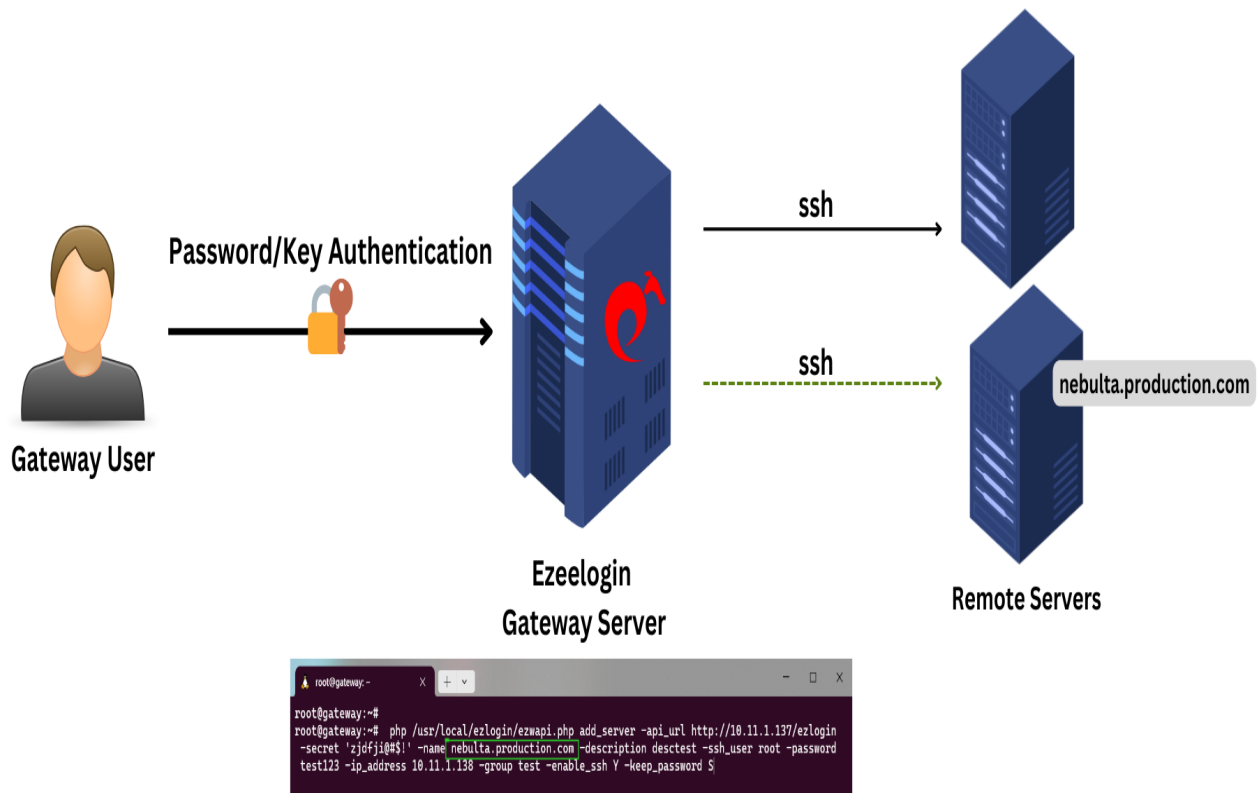
## How to add/delete/update servers in GUI using API?

---

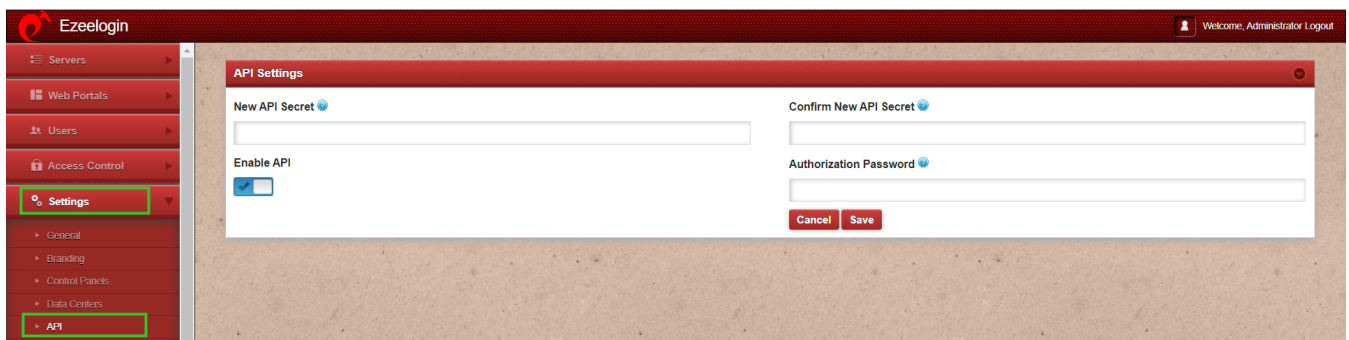
**Overview:** This article guides Ezeelogin gateway users to add, update, delete or list servers in the GUI using the API. It also explains on how to view the logs for all the server actions performed via API.

---

An API script is provided for automating server add/edit/delete tasks in gateway server of ezeelogin. With the help of this script, your gateway server can be integrated with any 3rd party application managing your clients/customers. Also, make sure to [enable API](#).



**Step 1:** Login to gateway user interface and navigate to **Settings > API**. Provide the **API Secret** and enable API for the API script to work.



The API script can be executed as:

```
root@gateway:~# php /usr/local/ezeelogin/ezwapi.php [params...]
```

## For Help

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php -help
```

Usage:

```
ezwapi.php -help <action>
```

action : API action (add\_server/update\_server/remove\_server/reset\_fingerprint/add\_user\_server\_acl)

## 1. Add Server

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php -help add_server
```

Usage:

```
ezwapi.php add_server -api_url <API URL> -secret <API secret> -name <hostname> -description  
<description> -password <password> -ip_address <IP address> -group <group> [-ssh_port <port>]  
[-ssh_user <username>] [-keep_password <Y/N/S>]
```

```
[-enable_ssh <Y/N/H>] [-cp <control panel>]
```

-api\_url : The API URL

-secret : The API secret configured in web panel settings

-name : The server host name

-description : A description for the server

-password : The server password

-ssh\_key : The SSH private key file (optional)

-passphrase : The SSH key pass phrase (optional)

-ip\_address : The server IP address

-ssh\_port : The server SSH port (optional, use default if unspecified)

-ssh\_user : The server SSH user (optional, use default if unspecified)

-switch\_user : Switch to this user after login as SSH user (optional)

-switch\_pass : Password for switch user (optional)

-switch\_sudo : Y or N or E to escalate privilege with 'sudo su' or 'enable' (for Cisco devices) (optional, default: N = disabled)

-prompt1 : Unique string in shell prompt of SSH user (optional)

-prompt2 : Unique string in password prompt for su or sudo (optional, default: Password:)

-prompt3 : Unique string in shell prompt of root user (optional, required for sudo)

-group : The server group name

-keep\_password : Y (keep given password), N (automatic) or S (keep server password as such - no verification) (optional, default: Y)

-enable\_ssh : Y, N or H to enable/disable/via Host Node (optional, default: N)

-ishn : Y or N to make this a Host Node or not (optional, default: N)

-onhost : The name of Host Node (optional, default: N)

-cp : The control panel name (optional, use default if unspecified)

-dc : The datacenter name (optional, use default if unspecified)

-rc\_host : The remote console host (optional)

-rc\_user : The remote console user (optional)

-rc\_pass : The remote console password (optional)

**Step 1(a):** The below example shows how to add a Server in GUI with the remote ssh user

as 'root'

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php add_server -api_url http://10.11.1.137/ezlogin
-secret 'zjdfji@#$_' -name test.noc.com -description descstest -ssh_user root -password test123
-ip_address 10.11.1.138 -group test -enable_ssh Y -keep_password S
```

**Special characters password can be saved using API with single quotes.**

eg: -password '??r&5Q\*gyKc6nGAE()'

**Step 1(b):** The example below shows how to add a server in GUI when the remote ssh user is **non-privileged user** 'admin'

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php add_server -api_url http://192.168.56.106/ezlogin
-secret 123#$4 -ssh_user admin -group linux -ssh_key /root/.ssh/id_rsa -name skunk.ezno.con
-ip_address 192.168.56.143 -prompt1 ']'$ ' -prompt2 'ssword:' -enable_ssh Y
```

**How will I find the prompts for the ssh\_user?**

1. To find **prompt1** ssh as the user directly into the server. The prompts may vary depending on the remote OS in use.

- For Centos 5,6,7

```
[admin@skunk ~]$ cd /home
```

Here prompt1 is "]"\$ "

- For Ubuntu 14,16 ,18

```
admin@ubu-nscd:~$ cd /home
```

Here the prompt1 is "~\$ "

2. To find prompt2, simply run **su -** as a non root user.

```
[admin@skunk home]$ su -
```

Password:

Here **prompt2** will be "ssword: "

3. The prompt 3 would be how the root prompt looks like

```
[root@skunk home]#
```

Above the unique characters that is permanent are "ot@sk" or "root@" etc.

## 2. Update Server

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php -help update_server
```

Usage:

```
ezwapi.php update_server -api_url <API URL> -secret <API secret> -name <hostname> [-newname  
<new hostname>] [-password <password>] [-ip_address <IP address>] [-ssh_port <port>] [-ssh_user  
<username>]
```

```
[-group <group>] [-keep_password <Y/N/S>] [-enable_ssh <Y/N>] [-cp <control panel>]
```

-api\_url : The API URL  
-secret : The API secret configured in web panel settings  
-name : The server host name  
-newname : The new host name (optional)  
-description : A description for the server  
-password : The server password (optional)  
-ssh\_key : The SSH private key file (optional)  
-passphrase : The SSH key pass phrase (optional)  
-ip\_address : The server IP address (optional)  
-ssh\_port : The server SSH port (optional)  
-ssh\_user : The server SSH user (optional)  
-switch\_user : Switch to this user after login as SSH user (optional)  
-switch\_pass : Password for switch user (optional)  
-switch\_sudo : Y or N or E to escalate privilege with 'sudo su' or 'enable' (for Cisco devices) (optional, default: N = disabled)  
-prompt1 : Unique string in shell prompt of SSH user (optional)  
-prompt2 : Unique string in password prompt for su or sudo (optional)  
-prompt3 : Unique string in shell prompt of root user (optional, required for sudo)  
-rdp\_port : The server RDP port (optional, use default if unspecified)

-group : The server group name  
-keep\_password : Y (keep given password), N (automatic) or S (keep server password as such - no verification) (optional)  
-enable\_ssh : Y, N or H to enable/disable/via Host Node (optional)  
-ishn : Y or N to make this a Host Node or not (optional)  
-onhost : The name of Host Node (optional)  
-cp : The control panel name (optional)  
-dc : The datacenter name (optional)  
-rc\_host : The remote console host (optional)  
-rc\_user : The remote console user (optional)  
-rc\_pass : The remote console password (optional)

**Step 2(a):** Refer below example to update the server

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php update_server -api_url http://10.11.1.137/ezlogin  
-secret 'zjdfji@#$( -name ez.test.com -description descstest -password test123 -ip_address  
10.11.1.138 -group test -ssh_port 22 -rdp_port 3389
```

### 3. Delete Server

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php -help remove_server
```

Usage:

```
ezwapi.php remove_server -api_url <API URL> -secret <API secret> -name <hostname>
```

-api\_url : The API URL

-secret : The API secret configured in web panel settings

-name : The server host name

**Step 3(a)** Refer below example to delete a server

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php remove_server -api_url http://10.11.1.137/ezlogin  
-secret 'zjdfji@#$( -name ez.test.com
```

#### 4. List the servers added

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php -help list_servers
```

Usage:

```
ezwapi.php list_servers -api_url <API URL> -secret <API secret>
```

-api\_url : The API URL

-secret : The API secret configured in web panel settings

**Step 4(a):** Refer to the example below for listing the servers added in Ezeelogin.

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php list_servers -api_url http://192.168.1.38/ezlogin  
-secret 'zjdfji@#$(
```

```
200: { "status": "success", "extra": [{ "id": "3", "name": "db.eznoc.com" }, { "id": "16", "name": "Log.eznoc.com" },  
{ "id": "17", "name": "Production server" }, { "id": "10", "name": "Windows Server" } ] }
```

Listing servers via API is only available from [Ezeelogin version 7.40.0](#)

#### 5. Reset fingerprint for remote devices



```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php -help reset_fingerprint
```

Usage:

```
ezwapi.php reset_fingerprint -api_url <API URL> -secret <API secret> -name <hostname>
```

-api\_url : The API URL

-secret : The API secret configured in web panel settings

-name : The server host name

**Step 5(a):** Refer below example to reset fingerprint for a remote server

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php reset_fingerprint -api_url  
http://192.168.29.4/ezlogin -secret 123456 -name Cent-database.hu
```

## 6. User-server access control

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php -help add_user_server_acl
```

Usage:

```
ezwapi.php add_user_server_acl -api_url <API URL> -secret <API secret> -user <username> -server  
<hostname> [-defer]
```

-api\_url : The API URL

-secret : The API secret configured in web panel settings

-user : The username

-server : The server host name

-defer : Defer the ACL addition if user doesn't already exist (optional)

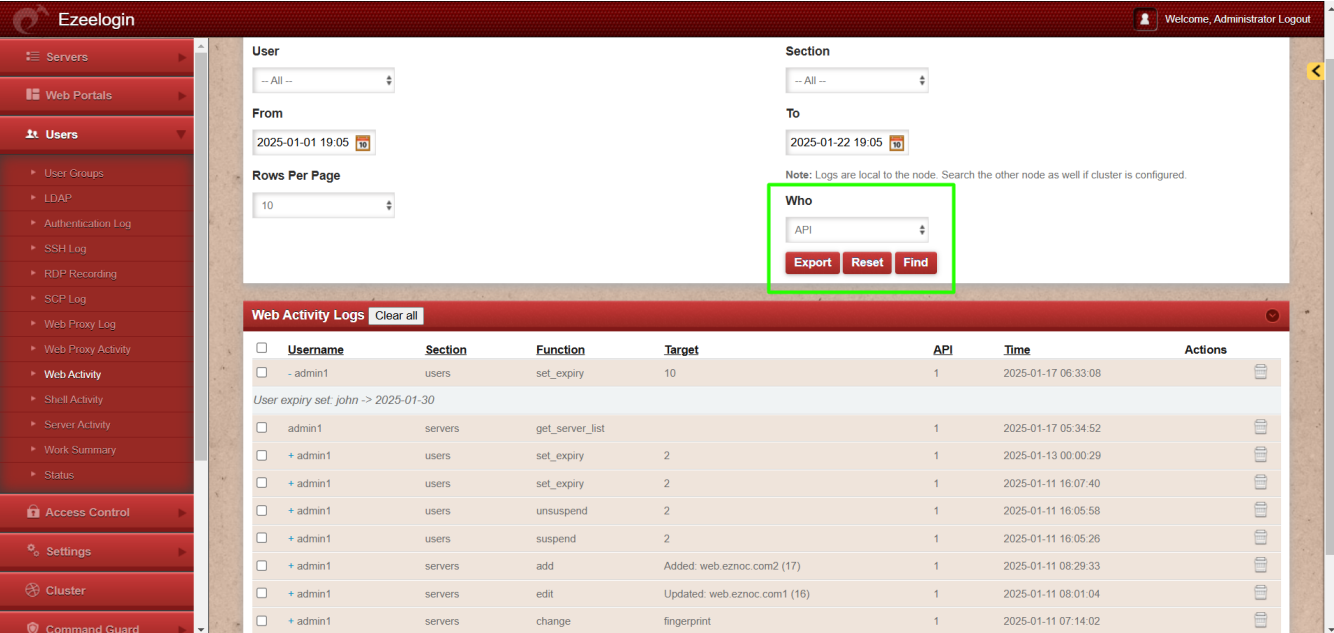
**Step 6(a)** Refer below example for user-server access control

```
root@gateway:~# php /usr/local/ezlogin/ezwapi.php add_user_server_acl -api_url  
http://192.168.1.9/ezlogin -secret zxcvbnm -user victor -server centos.server
```

- Make sure API is enabled in API settings for the API script to work.
- If you need to execute the API script from a server other than the Ezeelogin installed server(jump server), copy **/usr/local/ezlogin/ezwapi.php** and **/usr/local/ezlogin/apilib** file to the server which you want to execute. PHP should be installed on the server.

## View API logs

**Step 1(A):** To view all the actions performed via API navigate to **Users** -> **Web Activity** -> **who** and select **API**. This will display a list of logs for all the actions executed through API.



The screenshot shows the Ezeelogin web interface. On the left is a sidebar menu with options like Servers, Web Portals, Users, User Groups, LDAP, Authentication Log, SSH Log, RDP Recording, SCP Log, Web Proxy Log, Web Proxy Activity, Web Activity, Shell Activity, Server Activity, Work Summary, Status, Access Control, Settings, Cluster, and Command Guard. The main content area is titled 'Web Activity Logs' and has a 'Clear all' button. It contains a table with columns: Username, Section, Function, Target, API, Time, and Actions. The table shows a list of actions performed by 'admin1' on 'users' and 'servers' sections. The 'Who' dropdown is set to 'API'. A green box highlights the 'Who' dropdown and the 'Export', 'Reset', and 'Find' buttons.

Username	Section	Function	Target	API	Time	Actions
- admin1	users	set_expiry	10	1	2025-01-17 06:33:08	
User expiry set: john -> 2025-01-30						
admin1	servers	get_server_list		1	2025-01-17 05:34:52	
+ admin1	users	set_expiry	2	1	2025-01-13 00:00:29	
+ admin1	users	set_expiry	2	1	2025-01-11 16:07:40	
+ admin1	users	unsuspend	2	1	2025-01-11 16:05:58	
+ admin1	users	suspend	2	1	2025-01-11 16:05:26	
+ admin1	servers	add	Added: web.eznoc.com2 (17)	1	2025-01-11 08:29:33	
+ admin1	servers	edit	Updated: web.eznoc.com1 (16)	1	2025-01-11 08:01:04	
+ admin1	servers	change	fingerprint	1	2025-01-11 07:14:02	

**Step 1(B):** From the drop-down menu for the **section**, select **"Servers"** which will display the list of logs for all the server actions performed via API.

**Ezeelogin** Welcome, Administrator Logout

**Search**

User: -- All --

From: 2025-01-01 03:51

Rows Per Page: 10

**Section**

- Servers
- All --
- Servers
- Users
- Access control
- Settings
- Command Guard
- Cluster
- Account
- Authentication
- License
- Help
- Files

**Web Activity Logs** Clear all

<input type="checkbox"/>	Username	Section	Function	Target	API	Time	Actions
<input type="checkbox"/>	admin1	servers	get_server_list		1	2025-01-17 05:34:52	
<input type="checkbox"/>	+ admin1	servers	add	Added: web.eznoc.com2 (17)	1	2025-01-11 08:29:33	
<input type="checkbox"/>	+ admin1	servers	edit	Updated: web.eznoc.com1 (16)	1	2025-01-11 08:01:04	
<input type="checkbox"/>	+ admin1	servers	change	fingerprint	1	2025-01-11 07:14:02	
<input type="checkbox"/>	+ admin1	servers	add	Added: web.eznoc.com1 (16)	1	2025-01-11 07:10:12	
<input type="checkbox"/>	admin1	servers	get_server_list		1	2025-01-10 15:39:23	
<input type="checkbox"/>	admin1	servers	get_server_list		1	2025-01-10 13:56:55	
<input type="checkbox"/>	+ admin1	servers	change	fingerprint	1	2025-01-10 13:44:47	

This feature to list the logs for the actions performed via API is available from [Ezeelogin version 7.40.0](#)

## Related Articles:

[Is it possible to manage Ezeelogin users via API?](#)

[Add server with private key stored in database with API](#)

Online URL:

<https://www.ezeelogin.com/kb/article/add-update-delete-servers-through-ezeelogin-api-257.html>