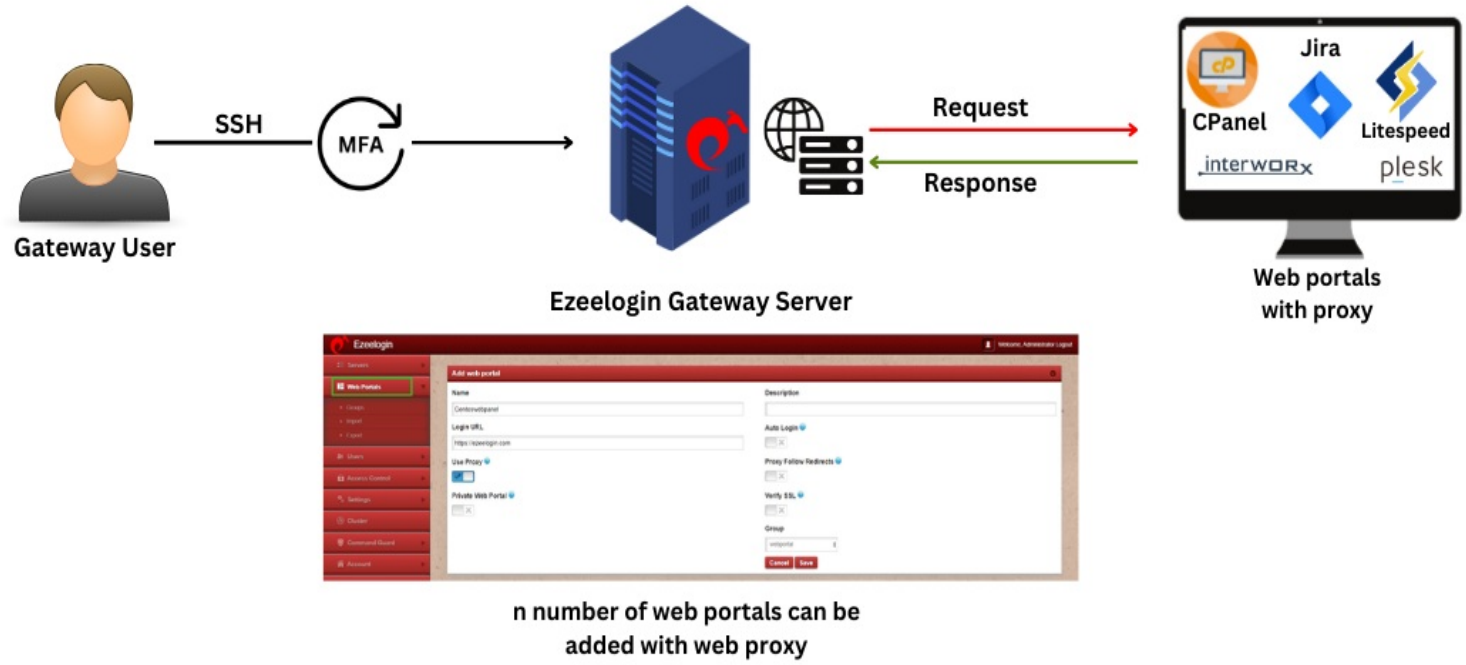
How to use web portal proxy in ezeelogin ?

295 admin May 27, 2025 Technical 8941

How to enable the web portal with the " use proxy " feature in Ezeelogin?

Overview: This article covers using the Ezeelogin gateway server as a proxy for web portal access. It includes installation and configuration steps for Node.js, dependencies, and SSL setup, with instructions for CentOS, Ubuntu, and Debian. It highlights prerequisites (Node.js 19 , kernel 4 , NPM 6) and provides troubleshooting tips for version checks, logging adjustments, and manual portal starts.



This feature enables the users to use the Ezeelogin gateway server itself as the proxy server while accessing the web portal.

Note: Ensure that the node version is 19 and above. Also, make sure the kernel version is 4 and above in the gateway server. You can check the kernel version using the below command.

:~# uname -r

Step 1: Install node js using npm and n module

Step 1(A): On Centos 7

```
:~# yum install epel-release

:~# yum install npm
```

Step 1(B): On Ubuntu 16/18 and Debian 10

```
:~# apt install npm
```

Step 1(C): On Ubuntu 20

```
:~# apt-get update
```

```
:~# apt install npm
```

Step 2: Install n, Node's version manager

Step 2(A): If you are not using SSL, you need to set the repo to HTTP by running :

```
:~# npm config set registry  http://registry.npmjs.org/

:~# npm install -g n
```

Step 3: Install node by running :

Step 3(A): To install the latest version:

```
:~# n latest
```

Step 3(B): To install the corresponding version :

```
:~# n version.number
```

For example, the below command will install node 14

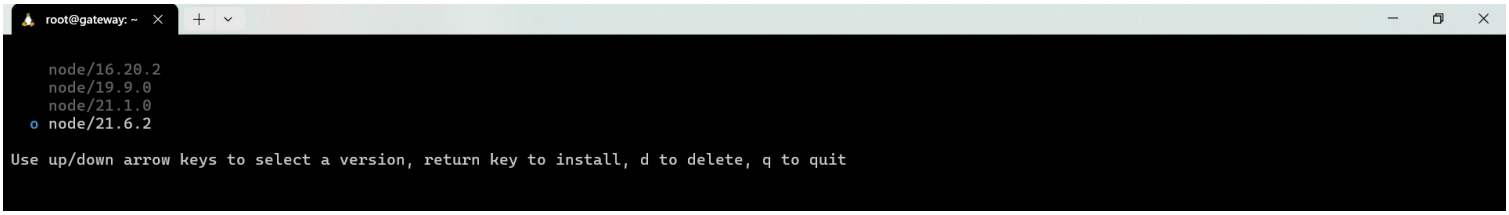
```
:~# n 21
```

Step 3(C): Run the following command to install the node without SSL

```
:~# n --insecure latest
```

Step 3(D): To switch between node versions run the following command and refer to the given screenshot.

```
:~# n
```



Install node using NPM or NVM in Ezeelogin

Step 4: Install the following dependency modules in the gateway server

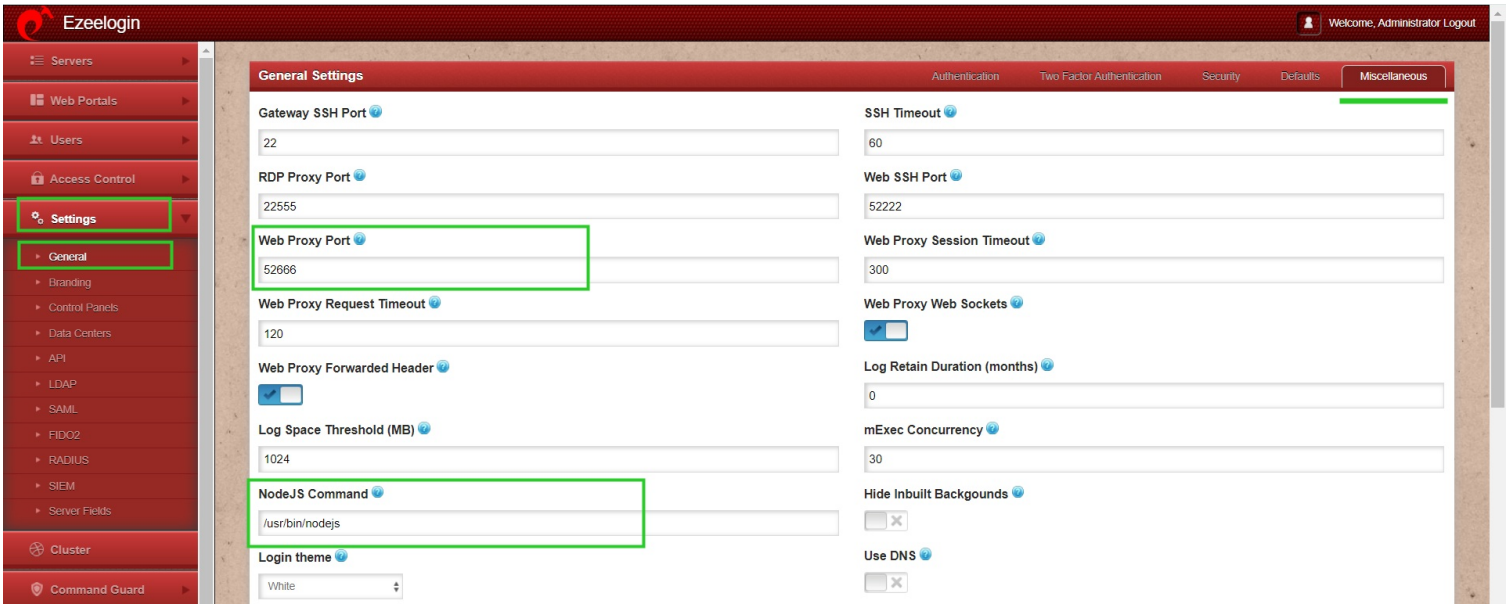
In CentOS:

```
:~# yum -y install pango.x86_64 libXcomposite.x86_64 libXcursor.x86_64 libXdamage.x86_64 libXext.x86_64 libXi.x86_64 libXtst.x86_64 cups-libs.x86_64 libXScrnSaver.x86_64 libXrandr.x86_64 GConf2.x86_64 alsa-lib.x86_64 atk.x86_64 gtk3.x86_64 ipa-gothic-fonts xorg-x11-fonts-100dpi xorg-x11-fonts-75dpi xorg-x11-utils xorg-x11-fonts-cyrillic xorg-x11-fonts-Type1 xorg-x11-fonts-misc
```

In Ubuntu:

```
:~# sudo apt-get install gconf-service libasound2 libatk1.0-0 libc6 libcairo2 libcups2 libdbus-1-3 libexpat1 libfontconfig1 libgcc1 libgconf-2-4 libgdk-pixbuf2.0-0 libglib2.0-0 libgtk-3-0 libnspr4 libpango-1.0-0 libpangocairo-1.0-0 libstdc 6 libx11-6 libx11-xcb1 libxcb1 libxcomposite1 libxcursor1 libxdamage1 libxext6 libxfixes3 libxi6 libxrandr2 libxrender1 libxss1 libxtst6 ca-certificates fonts-liberation libappindicator1 libnss3 lsb-release xdg-utils libgbm-dev wget
```

Once installed, ensure that the path to the node binary is specified correctly under **Settings -> General -> Miscellaneous -> Nodejs** Command. The Web Proxy Port variable is configurable. Ensure that the port entered here is open for inbound traffic as well.



The NodeJS Command field should have the path to the node or nodejs binary which usually is **/usr/bin/node** in the case of **Centos7** and **/usr/bin/nodejs** in the case of **Ubuntu 14-04**

Step 5: Make sure to enable 2-factor authentication and install the SSL as outlined below.

Note: Make sure to install SSL (self-signed or a valid cert)even if you have installed an SSL certificate on the Load balancer (ELB/ALB). Also, make sure to add a listener and routing for the port Web Proxy Port 52666

Step 6: To ensure SSL for the browser tab that opens up the web portal, generate a self-signed cert with the following command on the jump server/gateway server.

```
:~# openssl req -new -days 365 -x509 -nodes -newkey rsa:2048 -out /usr/local/etc/ezlogin/tls_cert.pem -keyout /usr/local/etc/ezlogin/tls_key.pem
```

Or put a valid ca, cert and key in the files: **/usr/local/etc/ezlogin/tls_ca.pem**, **/usr/local/etc/ezlogin/tls_cert.pem** & **/usr/local/etc/ezlogin/tls_key.pem** respectively. You can rename your current **.crt** / **.key** file to **.pem** file.

Note: Make sure that the **.pem** files are readable by the **web server** user such as nobody/www-root/apache, etc. An easy way to grant the webuser read privileges would be **chmod 644 /usr/local/etc/ezlogin/*.pem**

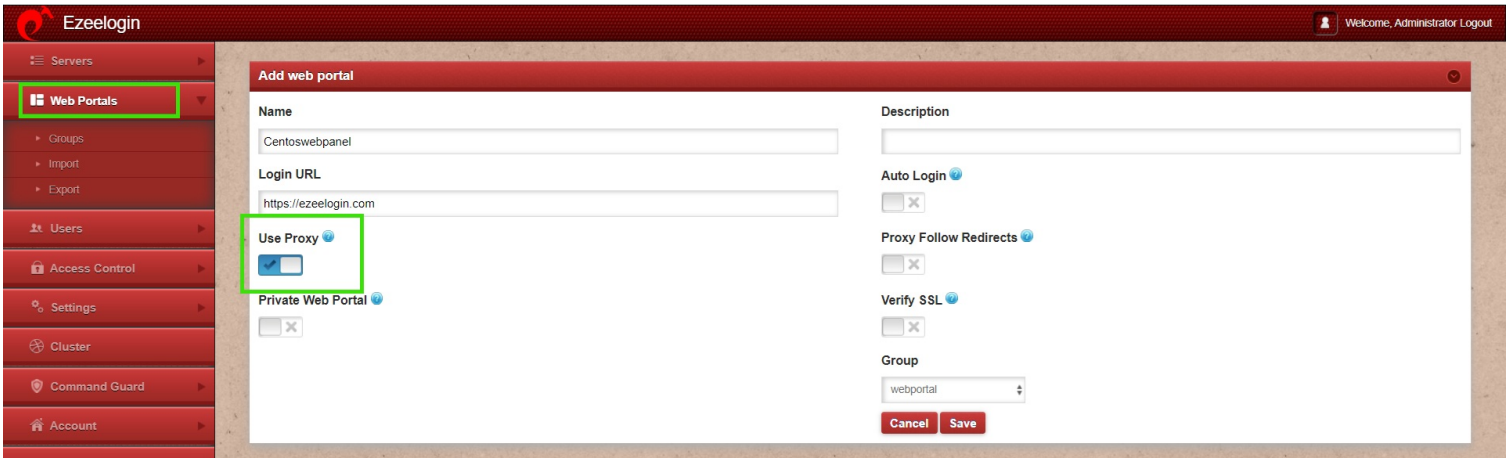
Step 7: Install the NodeJS modules dependencies for the Web Proxy

```
1. php /usr/local/ezlogin/eztool.php -- -install_node_modules -node_component ezproxy

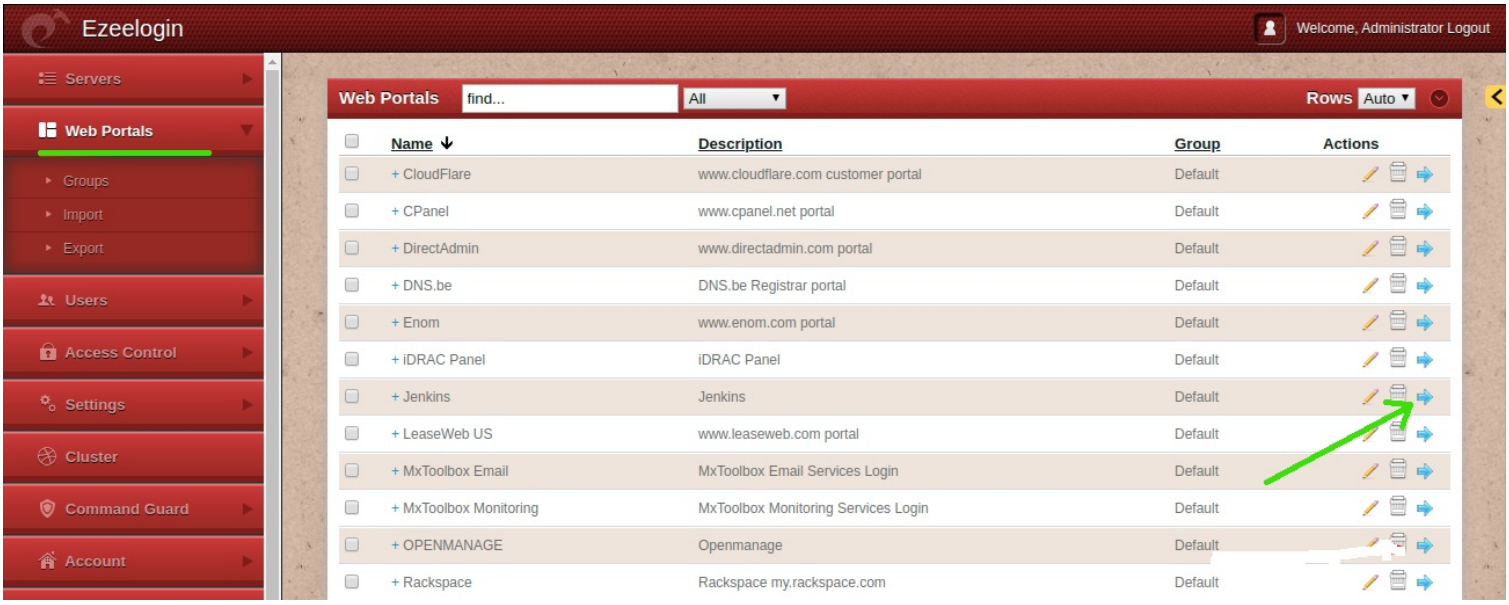
                                or

2. cd $(awk '/^system_folder/ {print $2}' /usr/local/etc/ezlogin/ez.conf)/application/external/ezproxy/&& npm install
```

Step 8: Add a web portal and enable the " **use proxy**" feature as follows



Step 9: Click on the arrow button to load the **Web Portal** with Useproxy enabled



Troubleshooting steps

Step1: Ensure that Node version is above 19, Kernal >= 4 and NPM Version is >=6

```
root@gateway:~# npm -v

6.14.6

root@gateway:~# node -v

v21.6.2
```

Step 2: To get more detailed errors, append **log_level trace** in ez.conf.

Step 3: After, kill the current running node

```
root@gateway:~# pkill node
```

Step 4: Run the below command to get the webportal start command from the latest log file, and then append **DEBUG=*** at the beginning of the command you get:

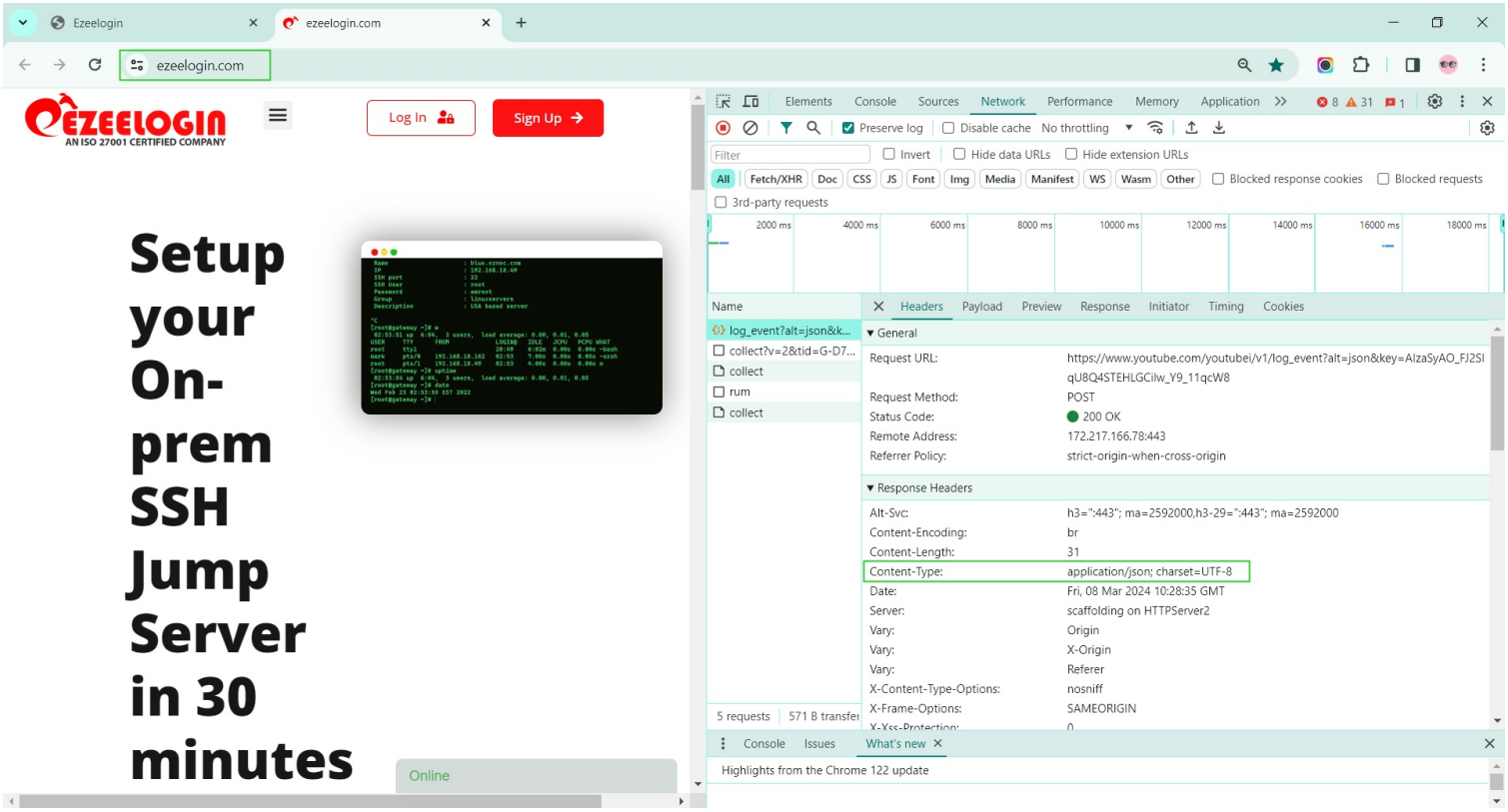
```
root@gateway:~# ( cd $(awk '/^system_folder/ {print $2}' /usr/local/etc/ezlogin/ez.conf)/application/logs/ && less $(ls -t log-*.php | head -n 1) ) | grep -i 'Web Proxy node: PORT'

DEBUG - 2025-05-27 10:19:43 --> start Web Proxy node: PORT=52666 XFWD=1 WS=1 SESSION_TIMEOUT=300000 REQUEST_TIMEOUT=120000 DBP='s}T@2Wrbu(33Ab@@*6Z.m9D@!7' PUPPETEER_CACHE_DIR=/usr/local/ezlogin /usr/local/bin/node /var/www/ezlogin/application/external/ezproxy/index.js >/dev/null 2>&1 &, 0, Array
```

For example:

root@gateway:~# DEBUG=* **PORT=52666 XFWD=1 WS=1 SESSION_TIMEOUT=300000 REQUEST_TIMEOUT=120000 DBP='s}T@2Wrbu(33Ab@@*6Z.m9D@!7' PUPPETEER_CACHE_DIR=/usr/local/ezlogin /usr/local/bin/node /var/www/ezlogin/application/external/ezproxy/index.js**

Note: Web portal proxy may not work in all cases such as when the login is javascript-based or when it uses certain dynamic security tokens. The screenshot below shows an example of JSON based web portal



Related Articles:

Webproxy, Webpanel, Webportal, Controlpanel

Unauthorized IP address when using proxy

Increase web proxy session timeout

Install node on different OS

Online URL: https://www.ezeelogin.com/kb/article/how-to-use-web-portal-proxy-in-ezeelogin-295.html