

# Configure Automatic su or sudo

73 admin November 22, 2024 [Common Errors & Troubleshooting](#) 14669

## How to configure Automatic su or sudo /switch user CentOS/Freebsd/Ubuntu servers?

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**Overview:** This article outlines how to add a remote server using a non-root user for SSH login and configure automatic sudo or su to switch to the root user.

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Check out the following video to ensure that you have configured the auto login correctly.

Add a server by providing Hostname, IP Address , Remote SSH login user, and Password of the Remote SSH login user.

You can also [add a server using key and passphrase](#). When adding a server using a key and passphrase, make sure to add the following line to the **sudoers** file of the remote server for automatic sudo to work:

```
root@remote_server ~]# visudo  
  
alex ALL=(ALL:ALL) NOPASSWD: ALL
```

This configuration allows the user Alex to execute any command with sudo without being prompted for a password.

The screenshot shows the 'Edit Server' configuration interface in Ezeelogin. The left sidebar contains a 'Servers' menu. The main form includes fields for Hostname (Ubuntu production server), IP Address(es) (192.168.56.110), Remote SSH / RDP Login User (Alex), SSH Private Key, SSH Port (22), Password Management (keep server password), RDP Port (3389), Windows Domain, Control Panel (None), and Description. On the right, there are fields for SSH / RDP Password, SSH Key Passphrase, SSH (enabled), Server Group (SPsysnetProductionLinux), RDP, Datacenter (None), First Prompt (~#), and Saved SSH Private Key (None). The 'Save' button is highlighted with a green box.

## METHOD 1

**Step 1:** Ensure that the remote ssh user has the bash shell enabled.

The finger command would let you know the shell currently assigned to the remote SSH user.

```
root@gateway:~# finger alex
```

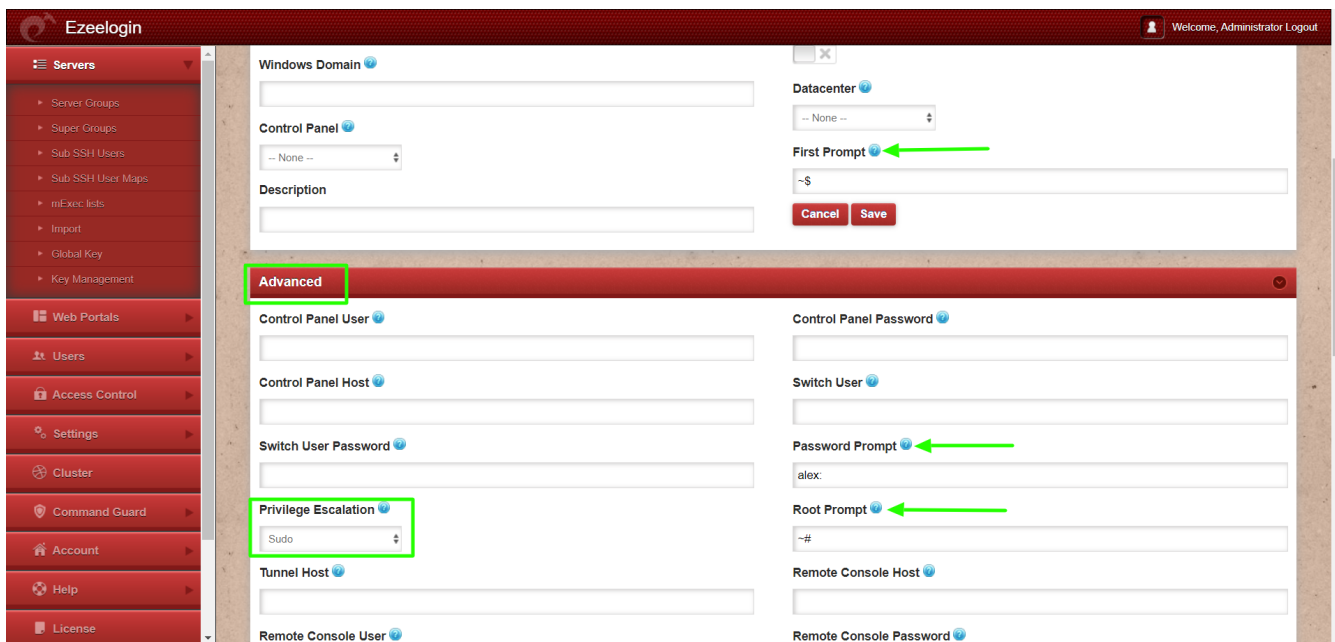
```
Login: alex Name:
```

```
Directory: /home/alex Shell: /usr/local/bin/tsh
```

**Step 1(A):** Assign bash shell to the user using the command

```
root@gateway:~# chsh -s /usr/local/bin/bash alex
```

**Step 2:** Fill in the **first prompt**, **password prompt** and **root prompt** of the remote SSH login user. Follow below steps to find first prompt, password prompt and root prompt.



**Step 2(A):** To find "First prompt", log in as the remote ssh login user(**alex**)to the remote server and you will get the first prompt

```
alex@gateway :~$
```

In this case, the 'first prompt' would be '~\$ '.

There is the space character included above, so a total of 3 characters are required.

**Step 2(B):** Refer to the below example to find the **password prompt**.

```
alex@gateway :~$ sudo su -  
[sudo] password for alex:
```

Here the 'Password Prompt' would be 'alex:'

**Step 2(C):** To find the "root prompt" switch to superuser and you will find the root prompt.

```
root@gateway :~#
```

In this case, the '**Root Prompt**' would be '~# '

**Step 3:** After providing the first prompt, password prompt, and root prompt change **Privilege escalation** to "**sudo**".

**Step 4:** After filling in all the variables click on the **save** button.

**Step 5:** After saving, login to the Ezeelogin backend(**ezsh**). Upon successful login to the **Ezsh shell**, you will initially be logged in as the **Remote SSH login user(alex)** to the **remote server** and then automatically switched to the **root user** using "**sudo su -**".

```
Alex@gateway:~$ sudo su - ; exit
[sudo] password for Alex:
root@gateway:~#
```

**Enable sudo** only if you want the **sudo** command to **switch** privileges. If you are using the '**su**' command to escalate privileges, then leave the **Privilege Escalation** field as "**None**"

## **METHOD 2**

If you are using "su" instead of "sudo" to switch to root user then you need not enter the 'root prompt' and should disable sudo from privilege escalation.

**Step 1:** Enter the field '**Switch User**' and '**Switch User Password**' along with **first prompt**, **password prompt**. '**Switch User**' would be '**root**' or any other user that you would need to switch to and '**Switch User Password**' would be the root password or the password of the user to which you are switching to.

**Step 1(A):** To find "**First prompt**", log in as the remote ssh login user(**alex**) and you will get the first prompt

```
alex@gateway :~$
```

In this case, the '**first prompt**' would be '~\$ '.

There is the space character included above, so total of 3 characters are required.

**Step 1(B):** Refer to the below example to find the **password prompt**.

```
alex@gateway :~$ su root
Password:
```

Here the 'Password Prompt' would be "Password:"

**Step 2:** After filling up all the variables click on "Save"

The screenshot shows the Ezeelogin configuration interface. The 'Advanced' tab is active, and the 'Control Panel User' field is highlighted with a green box. Several other fields are highlighted with green arrows: 'First Prompt' (set to '~\$'), 'Switch User' (set to 'root'), 'Switch User Password' (masked with asterisks), and 'Password Prompt' (set to 'Password:'). The 'Control Panel Password' field is also visible but empty. The 'Control Panel Host' field is also empty. The 'Privilege Escalation' dropdown is set to 'None'. The 'Tunnel Host' and 'Remote Console Host' fields are empty. The 'Remote Console User' and 'Remote Console Password' fields are also empty. The 'Datacenter' dropdown is set to 'None'. The 'Control Panel' dropdown is set to 'None'. The 'Description' field is empty. The 'Cancel' and 'Save' buttons are visible at the bottom right of the form.

**Step 3:** Login to the Ezsh shell. Upon successful login to the Ezsh shell, you will initially be logged in as the Remote SSH login user(alex) to the remote server and then automatically switched to the root user using "su".

```
Alex@gateway:~$ su - root ; exit
Password:
root@gateway:~#
root@gateway:~# |
```

## Related Articles:

[Enabling Virtualshell did not allow automatic su or sudo](#)

[How to add a subssh user with non-privileged remote SSH login user](#)

[Enable root privilege for the group in the sudoers file](#)

[How to add sub ssh users on remote servers and restrict commands via sudoers file](#)

[How to allow the user to switch when the command guard is enabled](#)

Online URL: <https://www.ezeelogin.com/kb/article/configure-automatic-su-or-sudo-73.html>