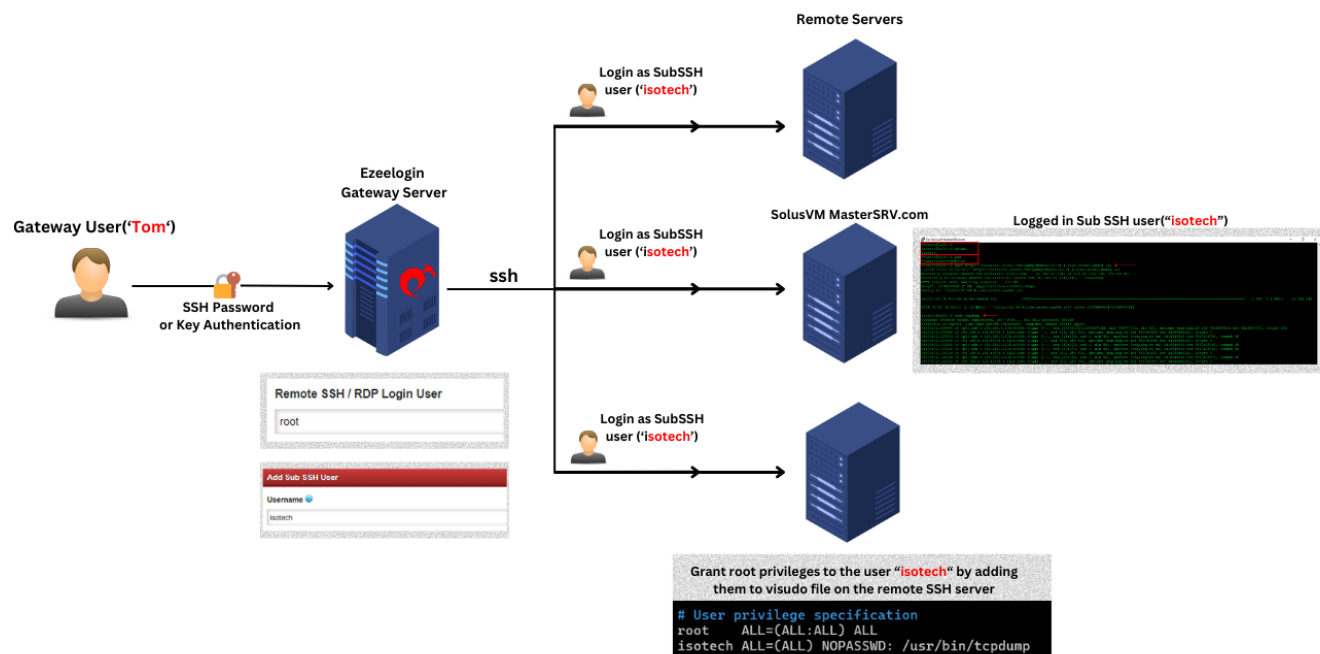


# How to add sub ssh users on remote servers and restrict commands via sudoers file

716 Rakhi May 17, 2024 [Features & Functionalities](#) 670

## [sub ssh user](#)



## [Sub SSH user](#)

**NOTE :** Increase the PHP maximum execution time in seconds on the Gateway server. This directive `max_execution_time` would specify the maximum time in seconds that a PHP script is allowed to run before it's terminated.

```
root@gateway ~# read -p "Enter new maximum execution time (e.g., 900): " time && sudo sed -i "s/^max_execution_time =.*/max_execution_time = $time/I" /etc/php/$(php -v | head -n 1 | awk '{print $2}' | cut -d. -f1,2)/cli/php.ini
```

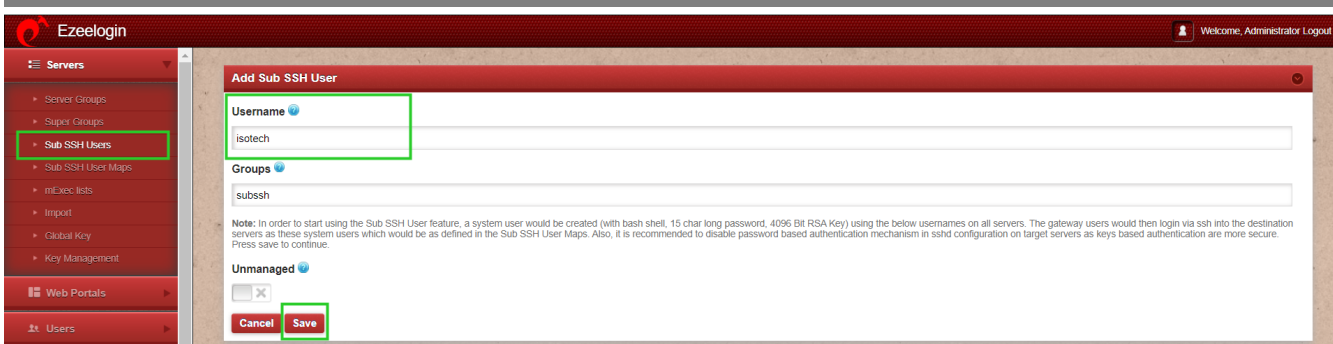
```
root@gateway~# read -p "Enter new memory limit (e.g., 2G): " memory && sudo sed -i "s/^memory_limit =.*/memory_limit = $memory/I" /etc/php/$(php -v | head -n 1 | awk '{print $2}' | cut -d.
```

```
-f1,2)/cli/php.ini
```

```
root@gateway~# systemctl restart apache2
```

Under sub ssh user > specify the username and Save it.

This will create the user "isotech" on all remote servers. (n number of servers.)



The screenshot shows the Ezeelogin web interface. On the left is a navigation menu with 'Sub SSH Users' highlighted. The main content area is titled 'Add Sub SSH User'. It contains a form with the following fields: 'Username' (value: isotech), 'Groups' (value: subssh), and 'Unmanaged' (checkbox checked). Below the form is a note: 'Note: In order to start using the Sub SSH User feature, a system user would be created (with bash shell, 15 char long password, 4096 Bit RSA Key) using the below usernames on all servers. The gateway users would then login via ssh into the destination servers as these system users which would be as defined in the Sub SSH User Maps. Also, it is recommended to disable password based authentication mechanism in sshd configuration on target servers as keys based authentication are more secure. Press save to continue.' At the bottom of the form are 'Cancel' and 'Save' buttons, with the 'Save' button highlighted in green.

**Step 2:** Run the following commands via [parallel shell](#) to run in the sudoers file.

```
~# echo "isotech ALL=(ALL) NOPASSWD: /usr/bin/tcpdump" >> /etc/sudoers
```

```
[group:SolusVM Masters GRP]# echo "isotech ALL=(ALL) NOPASSWD: /usr/bin/tcpdump" >> /etc/sudoers
```

```
web.eznoc.1001
```

```
web.eznoc.1004
```

```
web.eznoc.1002
```

```
web.eznoc.1003
```

```
SolusVM MasterSRV.com
```

```
Successfully executed on all 5 device(s).
```

```
[group:SolusVM Masters GRP]#
```

Check the syntax of sudoers file on remote servers.

```
~# visudo -c
```

```
[group:SolusVM Masters GRP]# sudo visudo -c
```

```
web.eznoc.1001
```

```
/etc/sudoers: parsed OK  
/etc/sudoers.d/README: parsed OK
```

```
web.eznoc.1004
```

```
/etc/sudoers: parsed OK  
/etc/sudoers.d/README: parsed OK
```

```
web.eznoc.1002
```

```
/etc/sudoers: parsed OK  
/etc/sudoers.d/README: parsed OK  
/etc/sudoers.d/user_management: parsed OK
```

```
web.eznoc.1003
```

```
/etc/sudoers: parsed OK  
/etc/sudoers.d/README: parsed OK
```

```
SolusVM MasterSRV.com
```

```
/etc/sudoers: parsed OK  
/etc/sudoers.d/README: parsed OK  
/etc/sudoers.d/user_management: parsed OK
```



```
Successfully executed on all 5 device(s).
```

```
[group:SolusVM Masters GRP]#
```

**Step 3** : Login to the SolosVM Masters server. Change the user home directory and grant permissions to the directory as shown below.

```
~# usermod -d /home/isotech/kvm/iso isotech ; chmod 777 /home/isotech/kvm/iso
```

The screenshot shows the Ezeelogin web interface. The left sidebar has a menu with 'Sub SSH User Maps' highlighted in green. The main content area shows a table titled 'Sub SSH User Maps' with the following data:

<input type="checkbox"/>	User Group ↓	Server Group ↓	Sub SSH User ↓	Actions
<input type="checkbox"/>	Junior Techs	SolusVM Masters GRP	isotech	 

The table shows one entry where the 'Junior Techs' user group is mapped to the 'SolusVM Masters GRP' server group and the 'isotech' sub SSH user. The 'Sub SSH User' column is highlighted with a green box.

```
Er: SolusVM MasterSRV.com
isotech@lp01:~$
isotech@lp01:~$ whoami
isotech
isotech@lp01:~$ pwd
/home/isotech/vm/iso
isotech@lp01:~$ wget https://releases.ubuntu.com/jammy/ubuntu-22.04.4-live-server-amd64.iso
--2024-05-15 05:50:16-- https://releases.ubuntu.com/jammy/ubuntu-22.04.4-live-server-amd64.iso
Resolving releases.ubuntu.com (releases.ubuntu.com)... 91.189.91.124, 91.189.91.123, 185.125.190.40, ...
Connecting to releases.ubuntu.com (releases.ubuntu.com)|91.189.91.124|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2104408064 (2.0e) [application/x-iso9660-image]
Saving to: 'ubuntu-22.04.4-live-server-amd64.iso'

ubuntu-22.04.4-live-server-amd64.iso 100%[=====>] 1.96G 1.13MB/s in 29m 54s

2024-05-15 06:28:11 (1.12 MB/s) - 'ubuntu-22.04.4-live-server-amd64.iso' saved [2104408064/2104408064]

isotech@lp01:~$ sudo tcpdump
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on enp0s3, link-type EN10MB (Ethernet), snapshot length 262144 bytes
06:30:02.298498 IP lp01.ssh > 192.168.0.106.41936: Flags [P.], seq 1208827027:1208827143, ack 755977720, win 501, options [nop,nop,TS val 3416649614 ecr 552360375], length 116
06:30:02.299166 IP 192.168.0.106.41936 > lp01.ssh: Flags [.], ack 116, win 501, options [nop,nop,TS val 552360595 ecr 3416649614], length 0
06:30:02.299803 IP lp01.ssh > 192.168.0.106.41936: Flags [P.], seq 116:152, ack 1, win 501, options [nop,nop,TS val 3416649615 ecr 552360585], length 36
06:30:02.300415 IP 192.168.0.106.41936 > lp01.ssh: Flags [.], ack 152, win 501, options [nop,nop,TS val 552360586 ecr 3416649615], length 0
06:30:02.300518 IP lp01.ssh > 192.168.0.106.41936: Flags [P.], seq 152:220, ack 1, win 501, options [nop,nop,TS val 3416649616 ecr 552360586], length 68
06:30:02.300816 IP lp01.ssh > 192.168.0.106.41936: Flags [P.], seq 220:288, ack 1, win 501, options [nop,nop,TS val 3416649616 ecr 552360586], length 68
06:30:02.301030 IP 192.168.0.106.41936 > lp01.ssh: Flags [.], ack 220, win 501, options [nop,nop,TS val 552360587 ecr 3416649616], length 0
06:30:02.301124 IP lp01.ssh > 192.168.0.106.41936: Flags [P.], seq 288:356, ack 1, win 501, options [nop,nop,TS val 3416649616 ecr 552360587], length 68
06:30:02.301502 IP 192.168.0.106.41936 > lp01.ssh: Flags [.], ack 288, win 501, options [nop,nop,TS val 552360587 ecr 3416649616], length 0
06:30:02.301599 IP lp01.ssh > 192.168.0.106.41936: Flags [P.], seq 356:392, ack 1, win 501, options [nop,nop,TS val 3416649617 ecr 552360587], length 36
```

## Related Articles:

[What is Sub SSH?](#)

[How to configure Role-Based Access Control?](#)

[How to grant Parallel Shell privilege for a user?](#)

[How to increase speed execution in Parallel Shell?](#)

[How to execute command on a custom group of servers?](#)

Online URL:

<https://www.ezeelogin.com/kb/article/how-to-add-sub-ssh-users-on-remote-servers-and-restrict-commands-via-sudoers-file-716.html>