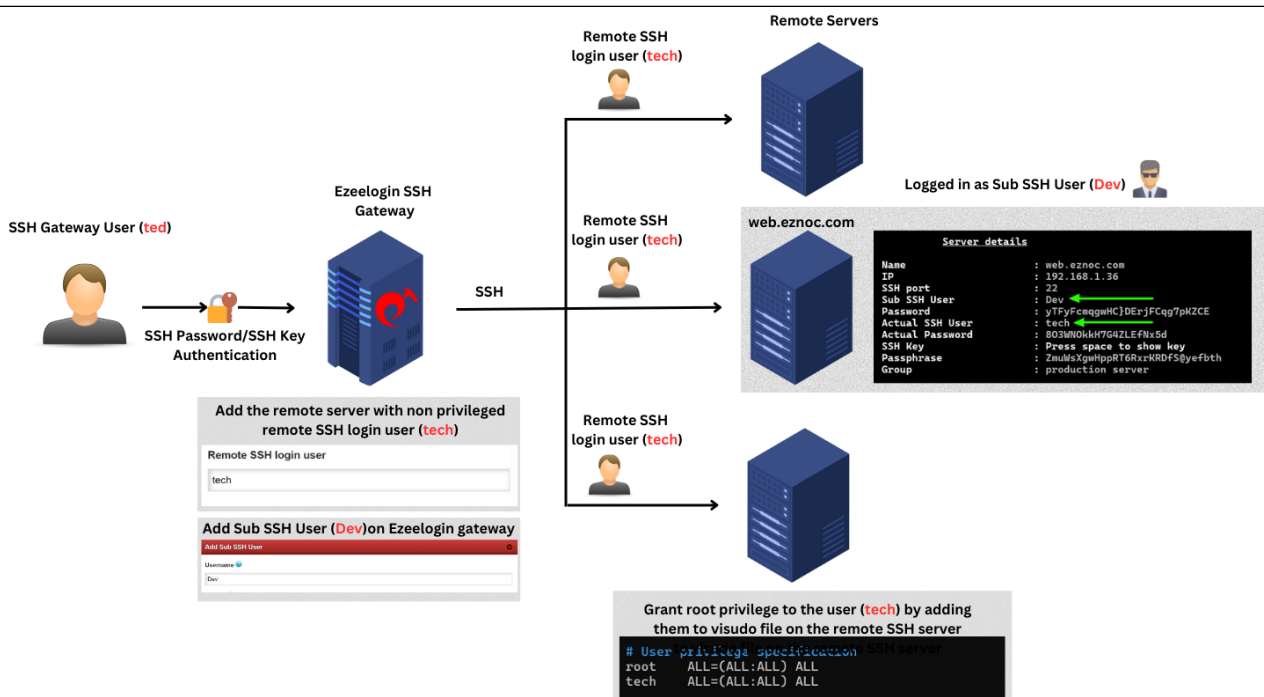


# How to add a subssh user with non privileged remote ssh login user

692 Rakhi May 17, 2024 [Features & Functionalities](#) 1315

## How to [create sub ssh user](#) when a remote server is added with non privileged [remote SSH Login User](#)?

This article details on how to add a remote server 'web.eznoc.com' to the Ezeelogin gateway with [Remote SSH Login User](#) 'Tech' ( non privileged system user ) and allows the gateway user 'Ted' to log in to the remote server as a SubSSH user 'Dev' ( non privileged system user )



**Step 1: Add the remote server (web.eznoc.com) with the non-privileged Remote SSH Login User (tech).**

**Step 2: Grant necessary privileges to the Remote SSH Login User in the sudoers file on the remote SSH server (*web.eznoc.com*).**

2.a: Create a config file for granting privileges for user group and assign permissions.

**If you are using key-based authentication, make sure to provide 'NOPASSWD' in the sudoers file.**

```
root@web.eznoc.com:~# vim /etc/sudoers.d/user_management

%<new_group_name> ALL=(ALL) NOPASSWD:/usr/bin/sh -c *

eg: tech ALL=(ALL) NOPASSWD:/usr/bin/sh -c *

root@web.eznoc.com:~# chmod 440 /etc/sudoers.d/user_management
```

2.b: Check syntax of sudoers file

```
root@web.eznoc.com:~# visudo -c
/etc/sudoers: parsed OK
/etc/sudoers.d/user_management: parsed OK
```

**Step 3: [Create SubSSH user \(Dev\)](#) and perform mapping.**

**3.a: Create SubSSH user**

**Ezeelogin** Welcome, Administrator Logout

**Servers**

- Server Groups
- Super Groups
- Sub SSH Users**
- Sub SSH User Maps
- mExec lists
- Import
- Global Key
- Key Management

**Web Portals**

**Users**

**Add Sub SSH User**

Username

Groups

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.

Unmanaged

### 3.b: For mapping SubSSH user based on groups

**Ezeelogin** Welcome, Administrator Logout

**Servers**

- Server Groups
- Super Groups
- Sub SSH Users**
- Sub SSH User Maps
- mExec lists
- Import
- Global Key
- Key Management

**Web Portals**

**Users**

**Access Control**

**Add Sub SSH User**

Username

Groups

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Unmanaged

**Ezeelogin** Welcome, Administrator Logout

**Servers**

- Server Groups
- Super Groups
- Sub SSH Users
- Sub SSH User Maps**
- mExec lists
- Import

**Web Portals**

**Users**

**Access Control**

**Edit Sub SSH User Maps**

User Group

Server Group

Sub SSH User

### 3.c: For mapping SubSSH user for an gateway user

**Ezeelogin** Welcome, Administrator Logout

**Servers**

- Server Groups
- Super Groups
- Sub SSH Users
- Sub SSH User Maps
- mExec lists
- Import

**Web Portals**

**Users**

**Access Control**

**Settings**

**Cluster**

**Command Guard**

**Account**

**Help**

**License**

**Edit User**

First Name

Last Name

Username

Email

User Group

Status  Active  Suspended

Expire

Command Guard

Limit IPs

Virtual Shell

Allowed IPs

Pass User Through

SSH Private Key

SSH Key Passphrase

Sub SSH User

LDAP

Force Password Change

Prompt Reason

Authorization Password

### Step 4: Login to the remote server (*web.eznoc.com*) via ezsh.

When you click on the server details, you can see that you have logged in to the remote server as the Sub

SSH user 'Dev' instead of the non-privileged remote SSH login user 'tech' .

```
Server details
Name           : web.eznoc.com
IP             : 192.168.0.112
SSH port      : 22
Sub SSH User   : Dev
Password      : AWeaH]DGjGSGqK6gfsrx
Actual SSH User : tech
Actual Password : ██████
SSH Key       : Press space to show key
Passphrase    : xNwDqmeFnA/SjZzXkseDt4A
Group         : Web servers

Press any key to continue...|

SERVERS [Web servers] (group) [Normal / ] {User: admin}
Start typing name to locate. ESC: Clear search, F1/+: Help, F4/!: Exit.

Dev@remoteserver:~$ whoami
Dev
Dev@remoteserver:~$ |
```

How to [create sub ssh user](#) when remote servers are added with non privileged [remote SSH login user](#) for multiple servers with [parallel shell](#)?

**Step 1: Login to Ezeelogin shell (ezsh) and navigate to user group and press 'F7' or '\*' to open parallel shell**

**Step 2: Run the following commands to grant privileges for remote user.**

2.a: Run below command to create new config file and add privilege for user group.

**If you are using key-based authentication, make sure to provide 'NOPASSWD' in the sudoers file.**

```
[group:All servers]# echo "<username> ALL=(ALL) NOPASSWD:/usr/bin/sh -c *" >> /etc/sudoers.d/user_management

eg: echo "tech ALL=(ALL) NOPASSWD:/usr/bin/sh -c *" >> /etc/sudoers.d/user_management
```

**Step 3: Follow above sections step 3 and step 4 to create subssh user, create mapping with gateway user and establish a mapping with the gateway user, and initiate SSH connections using the newly created users.**

**Step 4: Syntax check all servers sudoers file**

```
[group:All servers]# visudo -c
```

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**Related articles:**

[Add Linux instance](#)

[Add a server using SSH key pair](#)

[Setup public-key in the remote server](#)

[User identity and access management in SSH](#)

Online URL:

<https://www.ezeelogin.com/kb/article/how-to-add-a-subssh-user-with-non-privileged-remote-ssh-login-user-692.html>