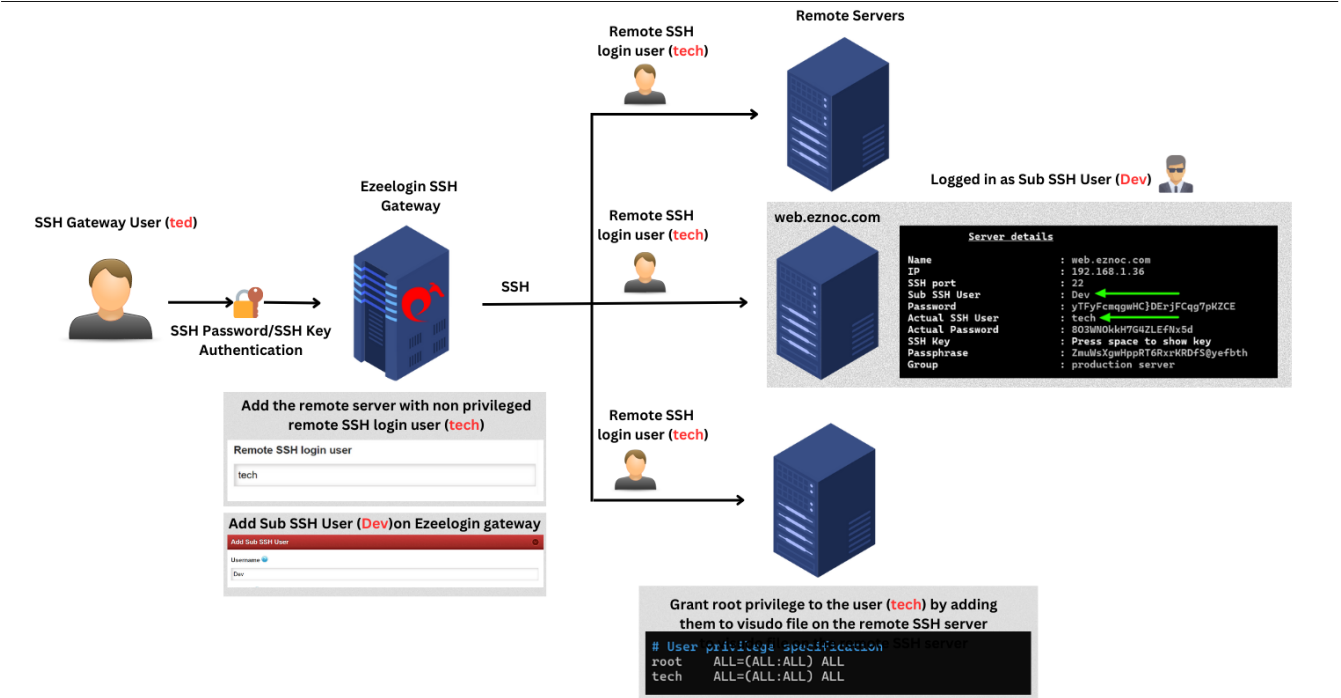


# How to add a subssh user with non privileged remote ssh login user

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2000

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

**Overview:** This article details on how to add a remote server 'web.eznoc.com' to 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(tech) in the sudoers file on the remote SSH server (web.eznoc.com).

**Step 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
```

**Step 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.

**Step 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.

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**Step 3(B):** To map a SubSSH user based on groups, go to Sub SSH User Maps, then select the user group, SubSSH user, and server group.

**Ezeelogin** Welcome, Administrator Logout

**Servers**

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

**Edit Sub SSH User Maps**

User Group

Sub SSH User

Server Group

**Step 3(C):** To map SubSSH user for an individual gateway user, edit the gateway user and select the sub ssh user.

**Ezeelogin** Welcome, Administrator Logout

**Servers**

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

**Web Portals**

**Users**

- User Groups
- 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
- Command Guard
- Account
- Help
- License

**Edit User**

First Name

Username

User Group

Expire

Limit IPs ☒

Allowed IPs

SSH Private Key

Sub SSH User

Force Password Change ☐

Last Name

Email

Status ☒ Active ☐ Suspended

Command Guard

Virtual Shell

Pass User Through

SSH Key Passphrase

LDAP

Prompt Reason

Authorization Password

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

When you click 'tab' key to view 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      : AWeaHJDGjGSGqK6gfsrx
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 a [subssh user](#) for multiple remote servers added with a non-privileged [remote SSH login user](#) using [parallel shell](#)?

**Step 1:** Login to backend (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.

**Step 2(A):** 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 **steps 3** and **4** above to create a SubSSH user, map it to the gateway user, and then 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](#)

[How to use Parallel Shell feature?](#)

Online URL:

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