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

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
```
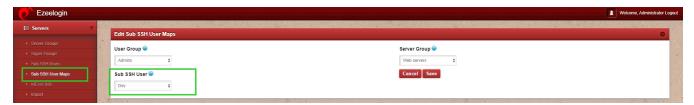
Step 2(B): Check syntax of sudoers file

```
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

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.

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

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                : 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 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
```

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?](#)