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

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## How to <u>create sub ssh user</u> when a remote server is added with non privileged <u>remote SSH Login User</u>?

**Overview:** This article details on how to add a remote server "web.eznoc.com' to Ezeelogin gateway with <u>Remote SSH Login User</u> '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).

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<ul> <li>Super Groups</li> </ul>		nostname		IP Address(es)
<ul> <li>Sub SSH Users</li> </ul>		web.eznoc.com		192.168.0.112
<ul> <li>Sub SSH User Maps</li> </ul>		Remote SSH / RDP Login User		Remote SSH / RDP Password
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**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: <u>Create SubSSH user</u>(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.

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

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User Groups	Username 📦	Email
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Step 4: Login to the remote server (web.eznoc.com) via ezsh.

When you click '**tab**' key to view the <u>server details</u>, 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'.

<u>Server details</u>				
Name IP SSH port Sub SSH User Password Actual SSH User Actual Password SSH Key Passphrase Group	<pre>: web.eznoc.com : 192.168.0.112 : 22 : Dev</pre>			
Press any key to continue				
SERVERS [Web servers] (gro Start typing name to locat	up) [Normal / ] {User: admin} e. ESC: Clear search, F1/+: Help, F4/!: Exit.			

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

How to create a <u>subssh user</u> 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?

Online URL:

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