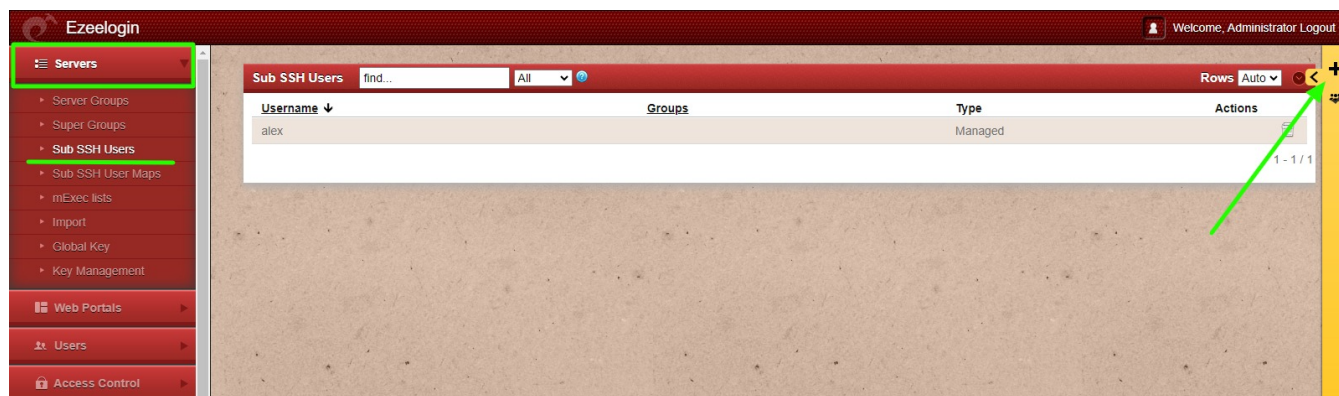## Privileged access management in Linux

How to login to a remote server as a non-privileged user and escalate privileges in SSH?

Overview: This article helps to configure two methods methods that allow a gateway user to log in to a remote server as a non-privileged user and seamlessly switch to the root user without being prompted for a password.
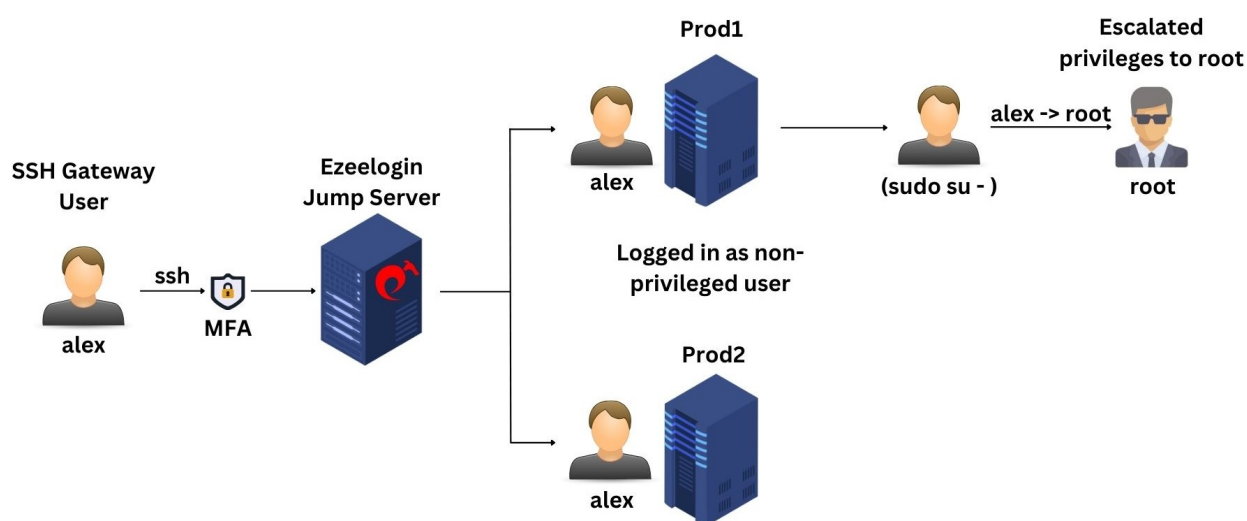
Method 1: SubSSH User

Step 1(A): Login to the web GUI and **create a SubSSH user**. This will create a non-privileged user on the remote servers.

Step 1(B): Map the SubSSH user to the gateway user.

Step 1(C): Login to the remote server and add the created SubSSH user to the **sudoers** file. This will enable non-privileged user to switch to root without being prompted for a password.

```
root@remote_server ~]# visudo

alex ALL=(ALL:ALL) NOPASSWD: ALL
```

Step 1(D): Login to backend(ezsh), then access the remote server and switch to the root user.

```
alex@ubuntu22:~$
alex@ubuntu22:~$
alex@ubuntu22:~$
alex@ubuntu22:~$ sudo su -
root@ubuntu22:~#
root@ubuntu22:~#
root@ubuntu22:~#
```

Method 2: Pass User Through

Step 2(A): Log in to the remote server and create a user with the same username as the gateway user. Then, either set the same password or configure SSH key-based authentication.

```
root@remote_server ~]# adduser tony
```

Step 2(B): Edit the gateway user and change **Pass User Through** to **Yes**.

Step 2(C): Login to the remote server and add the Pass user to the **sudoers** file. This will enable the non-privileged user to switch to root without being prompted for a password.

```
root@remote_server ~]# visudo

tony ALL=(ALL:ALL) NOPASSWD: ALL
```

Step 2(D): Login to backend(ezsh), then access the remote server and switch to the root user.

Related Articles:

User identity and access management in SSH

SSH Connection to a Remote Server Using the Same Username as SSH Gateway User

Configure Automatic su or sudo

Access different servers with different subssh users

[How to create sub SSH users on remote servers and restrict commands via sudoers file](#)

[How to change mapped sub ssh group](#)

[How to add a subssh user with non privileged remote ssh login user](#)