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* **Allowing SCP on demand:-**

SCP will work on SSH in order to pass documents or data over SSH (Secure) connectivity. To disable SCP you need to disable SSH. By default every user will have permission to execute the SCP command or binary.In scenarios where SSH should work for all users and SCP should work on demand, the following procedure can be applied.

**SCP executable:-** /usr/bin/scp

**Root executables only :-** /usr/sbin/\*

* **RCA:-**

Create a group and add users to that group. Allow group to execute the SCP binary or command. to restrict user to execute SCP simply remove that user from group

* **Steps:-**

1. Create a group called privileged as

# groupadd privileged

1. Create a user

# useradd demouser

1. Change the SCP file permissions and group ownership

# chmod 750 /usr/bin/scp

# chgrp privileged /usr/bin/scp

1. Add user to privileged group

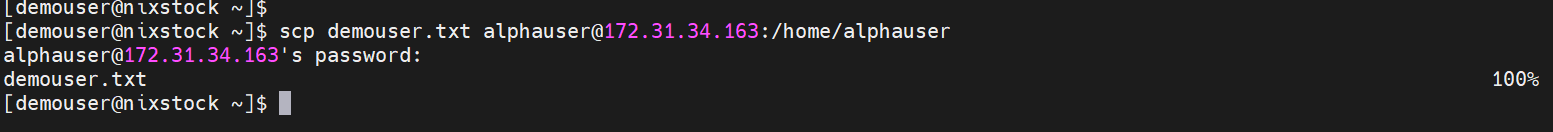
# usermod -aG privileged demouser

1. Check user added to group

# grep -i privileged /etc/group

Change as demouser and try to execute scp for eg.

$ scp /home/demouser/sample.txt alphauser@ip\_address\_of DestMachine:/home/alphauser



1. Remove user from group and try scp again

# gpasswd -d demouser privileged

# scp /home/demouser/sample.txt alphauser@ip\_address\_of DestMachine:/home/alphauser

