SSH server-side configurations
{Examples from Linux Administration Cookbook}

On your remote host (server) go to the /etc/ssh/ directory
$ cd /etc/ssh

Copy your server's sshd_config file before making any changes
$ sudo cp sshd_config sshd_config.orig

Edit sshd_config file:
$ sudo vi sshd_config

Changing the ssh port from its default 22 requires we run another command

```
# If you want to change the port on a SELinux system, you have to tell
# SELinux about this change.
# semanage port -a -t ssh_port_t -p tcp #PORTNUMBER
#
#Port 22
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::
```

First, figure out which package includes semanage
$ sudo yum whatprovides semanage

```
[vagrant@centos2 ssh]$ sudo yum whatprovides semanage
Loaded plugins: fastestmirror
Determining fastest mirrors
 * base: centos.sonn.com
 * extras: repos-lax.psychz.net
 * updates: mirrors.oit.uci.edu
base                                            | 3.6 kB     00:00
extras                                          | 2.9 kB     00:00
updates                                         | 2.9 kB     00:00
(1/4): base/7/x86_64/group_gz                      | 165 kB     00:00
(2/4): extras/7/x86_64/primary_db                  | 164 kB     00:00
(3/4): base/7/x86_64/primary_db                    | 6.0 MB     00:01
(4/4): updates/7/x86_64/primary_db                 | 7.6 MB     00:02
base/7/x86_64/filelists_db                      | 7.3 MB     00:01
extras/7/x86_64/filelists_db                    | 217 kB     00:00
updates/7/x86_64/filelists_db                   | 4.5 MB     00:01
policycoreutils-python-2.5-33.el7.x86_64 : SELinux policy core python utilities
Repo        : base
Matched from:
Filename    : /usr/sbin/semanage
```

Install the package
$ sudo yum install -y policycoreutils-python

Run the semanage command from the sshd_config
$ sudo semanage port -a -t ssh_port_t -p tcp 2222

```
[vagrant@centos2 ssh]$ sudo semanage port —a —t ssh_port_t —p tcp 2222
[vagrant@centos2 ssh]$ echo $?
0
```

Success!

Restart sshd service
$ sudo systemctl restart sshd

```
[vagrant@centos2 ssh]$ sudo systemctl restart sshd
[vagrant@centos2 ssh]$ sudo systemctl status sshd
● sshd.service – OpenSSH server daemon
   Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vendor preset:
 enabled)
   Active: active (running) since Fri 2020-03-27 20:03:46 UTC; 7s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
 Main PID: 3307 (sshd)
   CGroup: /system.slice/sshd.service
           └─3307 /usr/sbin/sshd —D —u0

Mar 27 20:03:46 centos2 systemd[1]: Starting OpenSSH server daemon...
Mar 27 20:03:46 centos2 sshd[3307]: Server listening on 0.0.0.0 port 2222.
Mar 27 20:03:46 centos2 sshd[3307]: Server listening on :: port 2222.
Mar 27 20:03:46 centos2 systemd[1]: Started OpenSSH server daemon.
```

Now, you need to specify port 2222 when ssh'ing into your server

```
[vagrant@centos1 ~]$ ssh 192.168.33.11 —p2222
Last login: Fri Mar 27 19:19:48 2020 from 10.0.2.2
```

Make ssh listen to only IPv4 and our eth1 address
*by default, ssh listens on all addresses and interfaces as we can see in /etc/ssh/sshd_config

```
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::
```