# SSH Port Forwarding In Linux | SSH Tunneling in RHEL | Local, Remote & Dynamic Port Forwarding

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#### SSH Port Forwarding:

• SSH port forwarding or tunneling allows you to forward otherwise insecure TCP traffic inside a secure SSH tunnel from local to destination server.

Type of SSH Port Forwarding:

- · Local Port Forwarding
- Remote Port Forwarding
- Dynamic Port Forwarding

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1.1.1: Create SSH tunnel for HTTP server Use SSH client on server1 (our localhost) to create a secure tunnel towards server3. The -L option specifies local forwarding, in which the TCP client is on the local machine with the SSH client.

[root@server1 ~]# ssh -f -N -L localhost:5555:server3:80 root@server3

We can also use ssh-f-N-L 5555:localhost:80 root@server3 to establish the SSH tunnel but that would confuse the beginners so we will keep it by the rules. Ideally here third field localhost is considered to be called on server3 so we can use either

Make sure the SSH process is still active:

[root@server1 ~]# ps -ef | grep ssh

#### 1.1.2: Verify the SSH Tunnel

Next we will try to connect to our apache server on server3 using curl and curl is able to connect to server3:80 using the server1:5555

[root@server1 ~]# curl http://localhost:5555

Welcome To Nehra Classes Web Page.

More information can be collected from topdump which is running on server3. This shows that the curl request was served using SSH secure Tunnel even when the requested port was 80

[root@server3 ~]# tcpdump -i enp0s8 port 22

#### 1.1.3: Close Local Forwarding Tunnel

To close the secure SSH Tunnel we must kill the SSH process which was created to forward the PORT.

[root@server1 ~]# kill -9 2384

1.2: Local Port Forwarding with three servers.

[root@server1 ~]# ssh -f -N -L localhost:5555:server3:80 root@server2

Make sure the SSH process is active which means our tunnel is created [root@server1 ~]# ps -ef | grep ssh

## 1.3.1: Create SSH Tunnel with Gateway Port.

[root@server1 ~]# ssh -g -f -N -L :5555:server3:80 root@server3

Make sure the SSH process is still active for the respective command:

[root@server1 ~]# ps -ef | grep ssh

## 1.3.2: Verify the Local Port Forwarding.

We will use curl command from server2 this time to check if it can connect to server3 using port 5555 from the secure tunnel.

[root@server2 ~]# curl http://server1:5555

Welcome To Nehra Classes Web Page.

#### 1.3.3: Close SSH Tunnel

Close the SSH Tunnel To close the Local forwarding port, you can go ahead and kill the SSH process which we created earlier to start the tunnel from server1.

[root@server1 ~]# kill -9 2423

## 2: Remote port forwarding.

[root@server3 ~]# ssh -f -N -R localhost:5555:server3:80 root@server1

2: Remote port forwarding.

[root@server3 ~]# ssh -f -N -R localhost:5555:server3:80 root@server1

Make sure the SSH process with the above command is still running [root@server3 ~]# ps -ef | grep ssh

#### 2.2: Verify SSH Tunnel setup

Verify SSH Tunnel Next we will use curl from server1 to connect to server3 using port 5555 [root@server1 ~]# curl http://localhost:5555

Welcome To Nehra Classes Web Page.

With tcpdump running on server3 we can check the secure SSH Tunnel was used for the curl request from server1 to server3

[root@server3 ~]# tcpdump -i enp0s8 port 22 or 80

## 2.3: Close SSH Tunnel

To close the SSH Tunnel we must kill the SSH process which is running on our server3 [root@server3  $\sim$ ]# ps -ef | grep 5555

[root@server3 ~]# kill -9 13638

## 3: Dynamic Port Forwarding.

[root@server1 ~]# ssh -f -N -D 8080 root@server3

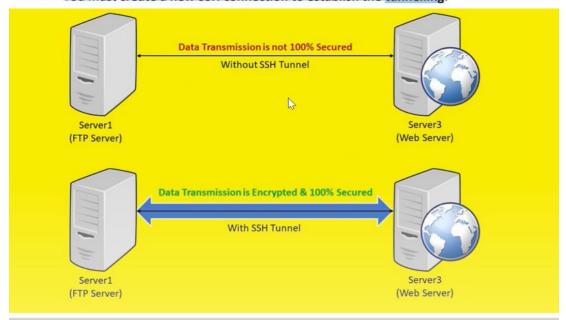
## 3.2: Verify SSH Tunnel setup

[root@server1 ~]# curl --proxy socks5h://localhost:8080 http://server3:80 Welcome To Nehra Classes Web Page.

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# **SSH Port Forwarding:**

- §SH port forwarding or tunnelling allows you to forward otherwise insecure TCP traffic inside a secure SSH tunnel from local to destination server.
- Protocols such as FTP, POP3, SMTP, HTTP, TELNET, and others can all be forwarded inside this SSH tunnel.
- This will provide increased security features such as encryption and authentication that may not otherwise be supported.
- You must create a new SSH connection to establish the tunnelling.



# Type of SSH Port Forwarding?

There are three types of port forwarding mechanisms between local and remote host:

- Local Port Forwarding: Create a local port that is connected to a remote service.
- Remote Port Forwarding: Forward a port on a remote server on the Internet to a local port.
- **Dynamic Port Forwarding:** A SOCKS client connects via TCP, and indicates via the protocol the remote socket it wants to reach.

```
[root@server1 ~]# hostname
server1.ftp.nehraclasses.local
[root@server1 ~]# 

[root@server2 ~]# hostname
server2.nehraclasses.local
[root@server2 ~]# 

[root@server2 ~]# ]
```

```
[root@server3 ~]# hostname
server3.web.nehraclasses.local
[root@server3 ~]#
```

```
[root@server3 ~]# curl localhost
Hi, Welcome To Nehra Classes Webpage.
Thanks
[root@server3 ~]# ■

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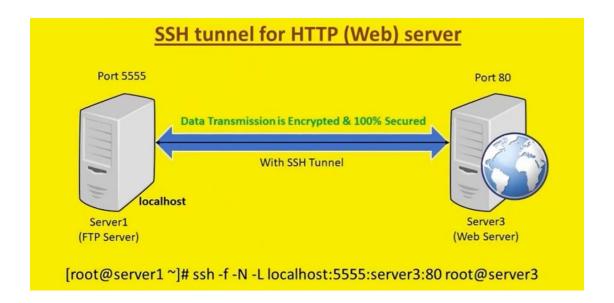
I

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I
```

## 1: Local Port Forwarding

- This allows you to forward a port from your localhost server (ssh\_client) to a port on target remote server (ssh\_server).
- The basic syntax would be ssh -L sourceHost:sourcePort:forwardToHost:onPort
  connectToHost
- Here the first field sourceHost would be the localhost using on which you will enable the Port Forward
- The second field is sourcePort using which you will connect to the remoteHost and remotePort
- The **third field** is the forwardToHost i.e. the server to which you want to forward the request. You can also put localhost in this field (as it is the localhost of remoteHost)
- The fourth field is the onPort section i.e. the port to which the request has to be



## 1.1.1: Create SSH tunnel for HTTP server

Use SSH client on server1 (our localhost) to create a secure tunnel towards server3. The – L option specifies local forwarding, in which the TCP client is on the local machine with the SSH client.

```
[root@server1 ~]# ssh -f -N -L localhdst:5555:server3:80 root@server3
```

We can also use ssh -f -N -L 5555:localhost:80 root@server3 to establish the SSH tunnel but that would confuse the beginners so we will keep it by the rules. Ideally here third field localhost is considered to be called on server3 so we can use either

```
#ssh to server3
```

```
[root@server1 ~]# hostname
server1.ftp.nehraclasses.local
[root@server1 ~]# ssh -f -N -L localhost:5555:192.168.1.126:80 root@192.168.
1.126
The authenticity of host '192.168.1.126 (192.168.1.126)' can't be establishe d.
ECDSA key fingerprint is SHA256:Y6jZwlhB7NCZx2vAfEfMw1J+5IvJdwe1NWszlo3gITo.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.1.126' (ECDSA) to the list of known host
s.
root@192.168.1.126's password:
[root@server1 ~]# ■
```

```
[root@server1 ~]# ps -ef | grep ssh
```

# port Forwarding

```
ypes=rsa-sha2-256,rsa-sha2-256-cert-v01@openssh.com,ecdsa-sha2-nistp256,ecds
a-sha2-nistp256-cert-v01@open<mark>ssh</mark>.com,ecdsa-sha2-nistp384,ecdsa-sha2-nistp384
-cert-v01@openssh.com,rsa-sha2-512,rsa-sha2-512-cert-v01@openssh.com,ecdsa-s
ha2-nistp521,ecdsa-sha2-nistp521-cert-v01@openssh.com,ssh-ed25519,ssh-ed2551
9-cert-v01@openssh.com,ssh-rsa,ssh-rsa-cert-v01@openssh.com -oCASignatureAlg
orithms=rsa-sha2-256,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,rsa-sha2-512,ec
dsa-sha2-nistp521,ssh-ed25519,ssh-rsa
                                             00:00:00 sshd: root [priv] 00:00:00 sshd: root [priv]
                     1515
           10264
                          0 17:09 ?
                           0 17:09 ?
           10268
                     1515
root
                                             00:00:00 sshd: root@pts/2
           10270
                          0 17:09 ?
root
                    10264
root
           10296
                    10268
                          0 17:09 ?
                                             00:00:00 sshd: root@notty
           10297
                    10296
                                             00:00:00 /usr/libexec/openssh/sft
                           0 17:09 ?
root
p-server
root
           18710
                        1 0 17:39 ?
                                             00:00:00 ssh -f -N -L localhost:5
555:192.168.1.126:80 root@192.168.1.126
           18721
                   10271 0 17:40 pts/2
                                             00:00:00 grep --color=auto ssh
```

```
[root@server1 ~]# curl http://localhost:5555
Hi, Welcome To Nehra Classes Webpage.
Thanks
[root@server1 ~]#
```

```
>> [root@server3 ~]# hostname
server3.web.nehraclasses.local
[root@server3 ~]# curl localhost
Hi, Welcome To Nehra Classes Webpage.

Thanks
[root@server3 ~]# 
[root@server3 ~]# 
]
```

```
> 17:43:17.220022 IP nodel.nehraclasses.local.ssh > 192.168.1.107.50191: Flags [P.], seq 4356112:4356176, ack 25729, win 361, length 64
17:43:17.221148 IP nodel.nehraclasses.local.ssh > 192.168.1.107.50191: Flags [P.], seq 4356176:4356240, ack 25729, win 361, length 64
17:43:17.222157 IP nodel.nehraclasses.local.ssh > 192.168.1.107.50191: Flags [P.], seq 4356240:4356304, ack 25729, win 361, length 64
17:43:17.223318 IP 192.168.1.107.50191 > nodel.nehraclasses.local.ssh: Flags [P.], seq 25729:25777, ack 4355408, win 512, length 48
17:43:17.223337 IP 192.168.1.107.50191 > nodel.nehraclasses.local.ssh: Flags [.], ack 4356112, win 509, length 0
17:43:17.223350 IP nodel.nehraclasses.local.ssh > 192.168.1.107.50191: Flags [P.], seq 4356304:4356368, ack 25777, win 361, length 64
^C
76308 packets captured
```

# how to close server 1

```
Quick connect...

[root@server1 ~]# curl http://localhost:5555

Hi, Welcome To Nehra Classes Webpage.

Thanks

[root@server1 ~]# ps -ef | grep ssh
```

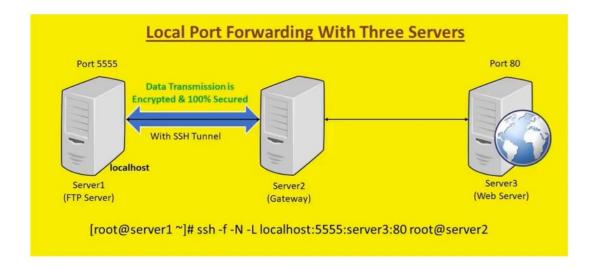
```
cert-v01@openssh.com,rsa-sha2-512,rsa-sha2-512-cert-v01@openssh.com,ecdsa-
ha2-nistp521,ecdsa-sha2-nistp521-cert-v01@openssh.com,ssh-ed25519,ssh-ed2551
9-cert-v01@openssh.com,ssh-rsa,ssh-rsa-cert-v01@openssh.com -oCASignatureAlg
orithms=rsa-sha2-256,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,rsa-sha2-512,ec
dsa-sha2-nistp521,<mark>ssh</mark>-ed25519,<mark>ssh</mark>-rsa
                     1515 0 17:09 ?
           10264
                                              00:00:00 sshd: root [priv]
root
                                              00:00:00 sshd: root [priv]
00:00:00 sshd: root@pts/2
           10268
                     1515
                            0 17:09 ?
root
root
           10270
                    10264
                            0 17:09 ?
                                              00:00:00 sshd: root@notty
           10296
                           0 17:09 ?
                    10268
root
                                              00:00:00 /usr/libexec/openssh/sft
           10297
                    10296
                           0 17:09 ?
root
p-server
           18710
                        1 0 17:39 ?
                                              00:00:00 ssh -f -N -L localhost:5
root
555:192.168.1.126:80 root@192.168.1.126
root
           18751
                    10271 0 17:43 pts/2
                                              00:00:00 grep --color=auto ssh
[root@server1 ~]#
```

# Kill the process

```
[root@server1 ~]# kill -9 18710
[root@server1 ~]# 

[root@server1 ~]# curl http://localhost:5555
curl: (7) Failed to connect to localhost port 5555:
[root@server1 ~]# 

[root@server1 ~]# []
```



#### 1.2.1: Create SSH Tunnel

Create Local Forwarding port on your localhost (server1) using SSH client. You can also ignore mentioning localhost in this command as that is the default behaviour, I have written here just for the sake of explanation

```
[root@server1 ~]# ssh -f -N -L localhost:5555:server3:80 root@server2
```

Make sure the SSH process is active which means our tunnel is created

```
[root@server1 ~]# ps -ef | grep ssh
root 1170 1 0 10:20 ? 00:00:00 /usr/sbin/sshd -D
root 1426 1170 0 10:21 ? 00:00:01 sshd: root@pts/1
```

## # connect server 1 to Server 2

```
[root@server1 ~]# ssh -f -N -L localhost:5555:192.168.1.126:80 root@192.168.
1.112
The authenticity of host '192.168.1.112 (192.168.1.112)' can't be establishe
d.
ECDSA key fingerprint is SHA256:f3b1GH49jvrA3szWF2/aAYMd0hMsmsB3/mtwbrE91RE.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.1.112' (ECDSA) to the list of known host
s.
root@192.168.1.112's password:
[root@server1 ~]# ■
```

## 1.2.2: Verify the SSH Tunnel

We will use curl to connect to our webserver

on server3:80 from server1 using localhost:5555. So the curl tool was successfully able to fetch the webserver's index page.

```
[root@server1 ~]# curl http://localhost:5555
Welcome To Nehra Classes Web Page.
```

You can check the **tcpdump** capture on server3 This shows the secure tunnel communication between server1 and server2 and further server2 will connect to server3 to connect to the webserver.

```
[root@server3 tmp]# tcpdump -i enp0s8 port 22 or 80
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
```

```
[root@server1 ~]# curl http://localhost:5555
Hi, Welcome To Nehra Classes Webpage.
Thanks
[root@server1 ~]# ps -ef | grep ssh
```

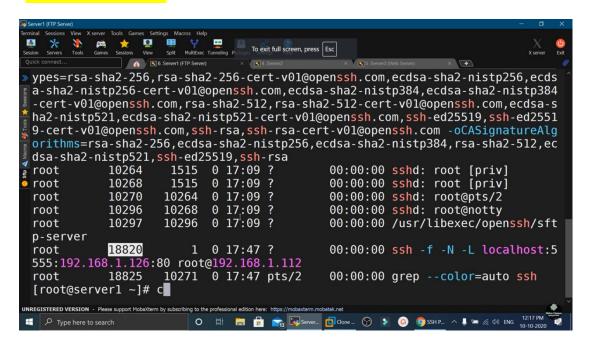
## # port Fwd

```
ypes=rsa-sha2-256,rsa-sha2-256-cert-v01@openssh.com,ecdsa-sha2-nistp256,ecds
a-sha2-nistp256-cert-v01@open<mark>ssh</mark>.com,ecdsa-sha2-nistp384,ecdsa-sha2-nistp384
-cert-v01@openssh.com,rsa-sha2-512,rsa-sha2-512-cert-v01@openssh.com,ecdsa-s
ha2-nistp521,ecdsa-sha2-nistp521-cert-v01@openssh.com,ssh-ed25519,ssh-ed2551
9-cert-v01@openssh.com,ssh-rsa,ssh-rsa-cert-v01@openssh.com -oCASignatureAlg
orithms=rsa-sha2-256,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,rsa-sha2-512,ec
dsa-sha2-nistp521,ssh-ed25519,ssh-rsa
                                             00:00:00 sshd: root [priv]
00:00:00 sshd: root [priv]
root
           10264
                     1515
                          0 17:09 ?
                     1515
                          0 17:09 ?
root
           10268
                                             00:00:00 sshd: root@pts/2
                    10264 0 17:09 ?
           10270
root
            10296
                    10268 0 17:09 ?
                                             00:00:00 sshd: root@notty
root
           10297
                    10296
                          0 17:09 ?
                                             00:00:00 /usr/libexec/openssh/sft
root
p-server
           18820
                        1 0 17:47 ?
                                            IOO:00:00 ssh -f -N -L localhost:5
root
555:192.168.1.126:80 root@192.168.1.112
           18825
                   10271 0 17:47 pts/2
root
                                             00:00:00 grep --color=auto ssh
[root@server1 ~]# ■
```

```
[root@server3 ~]# tcpdump -i ens33 port 22

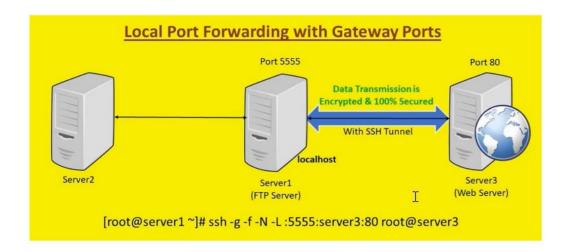
> 17:48:06.386760 IP nodel.nehraclasses.local.ssh > 192.168.1.107.50191: Flags [P.], seq 299008:299136, ack 1537, win 361, length 128
17:48:06.388354 IP 192.168.1.107.50191 > nodel.nehraclasses.local.ssh: Flags [.], ack 295216, win 508, length 0
17:48:06.388384 IP nodel.nehraclasses.local.ssh > 192.168.1.107.50191: Flags [P.], seq 299136:299200, ack 1537, win 361, length 64
17:48:06.388392 IP 192.168.1.107.50191 > nodel.nehraclasses.local.ssh: Flags [.], ack 295600, win 513, length 0
17:48:06.388400 IP 192.168.1.107.50191 > nodel.nehraclasses.local.ssh: Flags [.], ack 295920, win 512, length 0
17:48:06.388407 IP 192.168.1.107.50191 > nodel.nehraclasses.local.ssh: Flags [P.], seq 1537:1585, ack 295920, win 512, length 48
^C
5236 packets captured 5237 packets received by filter 0 packets dropped by kernel [root@server3 ~]#
```

#### # how to remove Port Fwd



```
> [root@server1 ~]# kill -9 18820

[root@server1 ~]# ps -ef | grep ssh
```



#### 1.3.1: Create SSH Tunnel with Gateway Port

We will also use -g with our existing SSH command to create the SSH Tunnel. Also if you observe, I have removed "locahost" and have used ":5555" which signifies all the host can be matched

[root@server1 ~]# ssh -g -f -N -L :5555:server3:80 root@server3

Make sure the SSH process is still active for the respective command:

```
[root@server1 ~]# ps -ef | grep ssh

root 1170 1 0 10:20 ? 00:00:00 /usr/sbin/sshd -D

root 1426 1170 0 10:21 ? 00:00:01 sshd: root@pts/1

root 2242 1170 0 12:31 ? 00:00:00 sshd: root@pts/0

root 2423 1 0 13:01 ? 00:00:00 ssh -g -f -N -L
```

#### # Tunnel Created

| Toot@server1 ~]# ssh -g -f -N -L :5555:192.168.1.126:80 root@192.168.1.126 root@192.168.1.126 root@192.168.1.126 s password:
| [root@server1 ~]# ps -ef | grep ssh

```
ypes=rsa-sha2-256,rsa-sha2-256-cert-v01@openssh.com,ecdsa-sha2-nistp256,ecds
a-sha2-nistp256-cert-v01@openssh.com,ecdsa-sha2-nistp384,ecdsa-sha2-nistp384
-cert-v01@openssh.com,rsa-sha2-512,rsa-sha2-512-cert-v01@openssh.com,ecdsa-s
ha2-nistp521,ecdsa-sha2-nistp521-cert-v01@openssh.com,ssh-ed25519,ssh-ed2551
9-cert-v01@openssh.com,ssh-rsa,ssh-rsa-cert-v01@openssh.com -oCASignatureAlg
orithms=rsa-sha2-256,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,rsa-sha2-512,ec
dsa-sha2-nistp521,ssh-ed25519,ssh-rsa
                                             00:00:00 sshd: root [priv] 00:00:00 sshd: root [priv]
root
           10264
                     1515
                           0 17:09 ?
root
           10268
                     1515
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                             17:09
                           0 17:09
           10270
                    10264
                                             00:00:00 sshd: root@pts/2
root
root
           10296
                    10268
                           0 17:09
                                             00:00:00 sshd: root@notty
                           0 17:09 ?
root
           10297
                    10296
                                             00:00:00 /usr/libexec/openssh/sft
p-server
                        1 0 17:49 ?
                                             00:00:00 ssh -g -f -N -L :5555:19
           18847
root
     .1.126:80 root@192.168.1.126
2.168
                    10271 0 17:49 pts/2
root
           18849
                                             00:00:00 grep --color=auto ssh
[root@server1 ~]#
```

## 1.3.2: Verify the Local Port Forwarding

We will use curl command from server2 this time to check if it can connect to server3 using port 5555 from the secure tunnel

```
[root@server2 ~]# curl http://server1:5\$55
Welcome To Nehra Classes Web Page.
```

So the server2 was successfully able to connect to server3:80 and also to the webserver using forwarding port server1:5555

```
[root@server1 ~]# curl http://192.168.1.119:5555
Hi, Welcome To Nehra Classes Webpage.

Thanks

[root@server1 ~]#
```

```
[root@server3 ~]# curl localhost
Hi, Welcome To Nehra Classes Webpage.
Thanks
[root@server3 ~]# ■
```

## 2: Remote port forwarding

- · A remotely forwarded port is just like a local one, but the directions are reversed
- This time the TCP client is remote, its server is local, and a forwarded connection is initiated from the remote machine.
- Remote port forwarding is less common and can be used to connect to a local port that cannot be reached from the internet, to a port on the server that is available on the internet
- The -R option specifies remote forwarding. It is followed by three values, separated by colons as before but interpreted slightly differently.

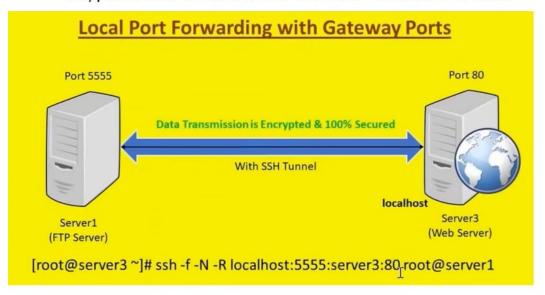
The syntax to perform Reverse Port Forwarding would be ssh -R

bindAddress:remotePort:forwardToHost:onPort connectToHost

The syntax to perform Reverse Port Forwarding would be ssh -R

bindAddress:remotePort:forwardToHost:onPort connectToHost

- The first field is the bind address on localhost. By default, TCP listening sockets on the server will be bound to the loopback interface only
- The second field is the remotePort which will be used to connect to the destination port i.e. 80.
- The **third field** is for forwardToHost i.e. the hostname or IP of the server to which you wish to connect as part of forwarding
- The fourth field is the onPort to which the forwarding should happen on the "forwardToHost"
- · Lastly provide the server details towards which the SSH Tunnel should be created



#### 2.1: Create SSH Tunnel for Remote Port Forwarding

I have a web server with apache on port 80 running on server3. Now in the earlier examples:

with Local Port Forwarding we forward request from server1:5555 to server3:80

Now we will do the opposite i.e.

with Remote Port Forwarding we forward request from server3:80 to server1:5555

Create SSH Tunnel on server3

```
[root@server3 ~]# ssh -f -N -R localhost:5555:server3:80 root@server1
```

Make sure the SSH process with the above command is still running

```
[root@server3 ~]# ssh -f -N -R localhost:5555:192.168.<sub>1</sub>1.126:80 root@192.168. 1.119
The authenticity of host '192.168.1.119 (192.168.1.119)' can't be establishe d.
ECDSA key fingerprint is SHA256:Y6jZwlhB7NCZx2vAfEfMwlJ+5IvJdwelNWszlo3gITo. Are you sure you want to continue connecting (yes/no/[fingerprint])? yes Warning: Permanently added '192.168.1.119' (ECDSA) to the list of known host s.
root@192.168.1.119's password:
Permission denied, please try again.
root@192.168.1.119's password:
[root@server3 ~]# c
```

Make sure the SSH process with the above command is still running

```
[root@server3 ~]# ps -ef | grep ssh
root
          5711
                  1 0 10:22 ?
                                      00:00:01 sshd: root@pts/0
                  1 0 11:10 ?
                                      00:00:00 /usr/sbin/sshd -D
root
        11151 9500 0 12:09 ?
                                      00:00:00 sshd: root@notty
root
                  1 0 15:46 ?
                                      00:00:00 ssh -f -N -R 5555:server3:80
root
        13638
root@server1
       13642 5799 0 15:46 pts/0
                                    00:00:00 grep --color=auto ssh
```

## 2.2: Verify SSH Tunnel setup

# Port Fwd

-netlman-group-exchange-shal,diffle-netlman-group14-shal -oHostKeyAlgorith rsa-sha2-256,rsa-sha2-256-cert-v01@open<mark>ssh</mark>.com,ecdsa-sha2-nistp256,ecdsa-sh= a2-nistp256-cert-v01@open<mark>ssh.</mark>com,ecdsa-sha2-nistp384,ecdsa-sha2-nistp384-cer t-v01@openssh.com,rsa-sha2-512,rsa-sha2-512-cert-v01@openssh.com,ecdsa-sha2nistp521,ecdsa-sha2-nistp521-cert-v01@open<mark>ssh.</mark>com,<mark>ssh</mark>-ed25519,<mark>ssh</mark>-ed25519-ce rt-v01@openssh.com,ssh-rsa,ssh-rsa-cert-v01@openssh.com -oPubkeyAcceptedKeyT ypes=rsa-sha2-256,rsa-sha2-256-cert-v01@openssh.com,ecdsa-sha2-nistp256,ecds a-sha2-nistp256-cert-v01@openssh.com,ecdsa-sha2-nistp384,ecdsa-sha2-nistp384 -cert-v01@openssh.com,rsa-sha2-512,rsa-sha2-512-cert-v01@open<mark>ssh.</mark>com,ecdsa-s ha2-nistp521,ecdsa-sha2-nistp521-cert-v01@openssh.com,ssh-ed25519,ssh-ed2551 9-cert-v01@openssh.com,ssh-rsa,ssh-rsa-cert-v01@openssh.com -oCASignatureAlg orithms=rsa-sha2-256,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,rsa-sha2-512,ec dsa-sha2-nistp521,<mark>ssh</mark>-ed25519,<mark>ssh</mark>-rsa 00:00:00 ssh -f -N -R localhost:5 root 20874 1 0 18:30 ? 555:192.168.1.126:80 root@192.168.1.119 I 20877 10302 0 18:30 pts/2 00:00:00 grep --color=auto ssh root [root@server3 ~]# ■ [root@server1 ~]# curl http://localhost:5555 Hi, Welcome To Nehra Classes Webpage.

[root@server1 ~]# curl http://localhost:5555
Hi, Welcome To Nehra Classes Webpage.

Thanks

[root@server1 ~]# 

[root@server1 ~]#