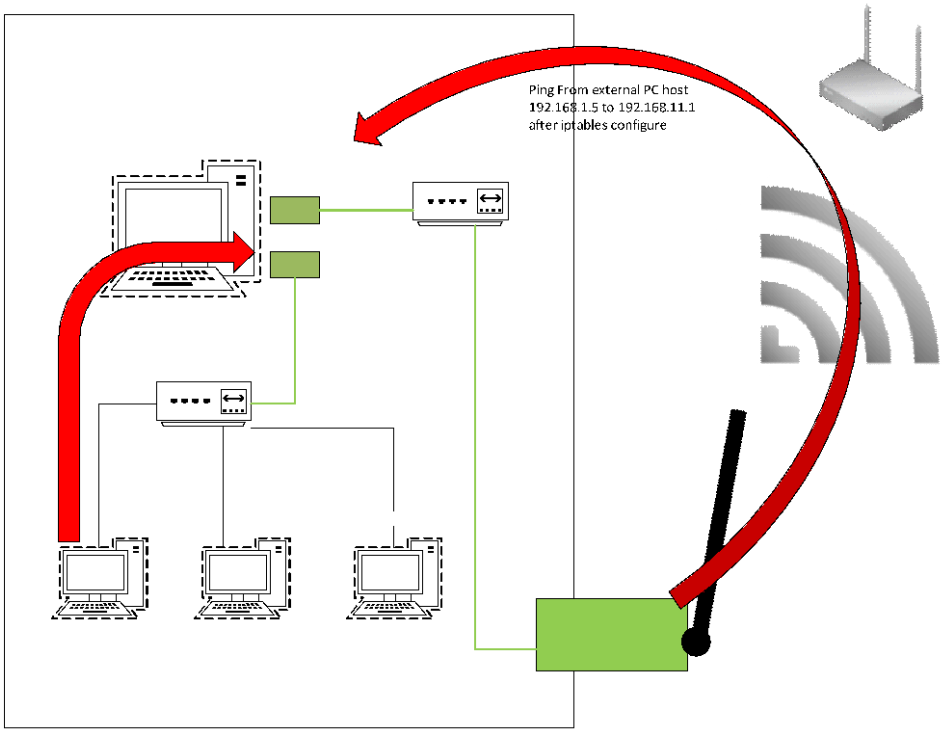
# JOB SHEET PRACTICE
# LEARNING ACTIVITIES:2

**Software :**

1. iptables—persistent
2. netfilter-persistent
3. proftpd

Sekenario iptables testing




| No | Steps | Information |
|---|---|---|
| 1. | Login to router debian | *Root , password: root* |
| 2. | *Install this package software if learning has not been done* | *apt-get install iptables--persistent*<br>*apt-get install netfilter-persistent* |
| 3. | File to save iptables | */etc/iptables/rules.v4*<br>*----------iptables v4*<br>*/etc/iptables/rules.v6* |

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|---|---|---|
| | | ----------*iptables v6* |
| 4. | Install FTP | *apt-get install proftpd* |
| 5. | Config FTP | *nano /etc/proftpd/proftpd.conf* |
| | | Fine with text, ctrl +W : *#DefautRoot*<br><br>*#DefautRoot*<br>Change to<br>*DefautRoot* |
| 6. | cek client browser/ cek browser pc host | ftp://192.168.1.11 (your ip router) |
| 7. | Iptables basic 1<br>**capture screen your results** | iptables -A INPUT -s 192.168.1.5/24 -j DROP |
| | | iptables –nvL |
| | | cek ping from PC host 192.168.1.5 |
| | | iptables –F |
| | | cek ping from client |
| 8. | Iptables basic 2<br>**capture screen your results** | iptables -A INPUT -i ens33 -j DROP |
| | | iptables –nvL |
| | | cek ping from PC host 192.168.1.5 |
| | | iptables –F |
| | | cek ping from client |
| 9. | Iptables basic 3<br>**capture screen your results** | iptables -A OUTPUT -s 192.168.100.1/24 -j DROP |
| | | iptables –nvL |
| | | cek ping from router to external<br>(ping to google/pc host) |
| | | iptables –F |
| | | cek ping from router(192.168.100.254) to 192.168.100.1<br>(ping to google/pc host) |
| 10. | Iptables basic 4<br>**capture screen your results** | iptables -A OUTPUT -o ens37 -j DROP |
| | | iptables –nvL |
| | | cek ping from router to 192.168.100.1<br>(ping to google/pc host) |
| | | iptables –F |
| | | cek ping from router to 192.168.100.1 |
| 11. | Iptables basic 5<br>**capture screen your results** | iptables –A INPUT –p tcp --dport 21 –j DROP |
| | | cek client browser ftp://192.168.1.11 |
| | | iptables –F |
| | | iptables –A INPUT –p tcp --dport 22–j DROP |
| | | Cek ssh , uses puty from client |
| | | iptables –F |
| 12. | Iptables basic 6<br>**capture screen your results** | Cek ssh , uses puty from client |
| | | iptables –A INPUT –s **ens33** –p icmp –j DROP |
| | | Cek ping from client |

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|---|---|---|
| | | iptables –F |
| | | iptables –A INPUT –s **ens33** –p icmp -j REJECT |
| | | Cek ping from client |
| | | iptables-save |
| | | nano */etc/iptables/rules.v4* |

| No | testing | steps | explanation | Cature scrren (minimize pic) |
|---|---|---|---|---|
| 1. | Iptables basic 1 **capture screen your results** | iptables -A INPUT -s 192.168.1.5 -j DROP | | |
| | | iptables –nvL | | |
| | | cek ping from PC host 192.168.1.5 | | |
| | | iptables –F | | |
| | | cek ping from client | | |
| 2. | Iptables basic 2 **capture screen your results** | iptables -A INPUT -i ens33 -j DROP | | |
| | | iptables –nvL | | |
| | | cek ping from PC host 192.168.1.5 | | |
| | | iptables –F | | |
| | | cek ping from client | | |
| 3. | Iptables basic 3 **capture screen your results** | iptables -A OUTPUT -d 192.168.100.1/24 -j DROP | | |
| | | iptables –nvL | | |
| | | cek ping from router to internal ~~(ping to google/pc host)~~ | | |
| | | iptables –F | | |
| | | cek ping from router(192.168.100.254) to 192.168.100.1 ~~(ping to google/pc host)~~ | | |
| 4. | Iptables basic 4 **capture screen your results** | iptables -A OUTPUT -o ens37 -j DROP | | |
| | | iptables –nvL | | |
| | | cek ping from router to 192.168.100.1 ~~(ping to google/pc host)~~ | | |
| | | iptables –F | | |
| | | cek ping from router to 192.168.100.1 | | |
| 5. | Iptables basic 5 **capture screen your results** | iptables –A INPUT –p tcp --dport 21 –j DROP | | |
| | | cek client browser ftp://192.168.1.11 | | |
| | | iptables –F | | |

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|---|---|---|---|---|
| | | iptables –A INPUT –p tcp --dport 22–j DROP | | |
| | | Cek ssh , uses puty from client | | |
| | | iptables –F | | |
| | | Cek ssh , uses puty from client | | |
| 6. | Iptables basic 6 **capture screen your results** | iptables –A INPUT –i **ens33** –p icmp –j DROP | | |
| | | Cek ping from client | | |
| | | iptables –F | | |
| | | iptables –A INPUT –i **ens33** –p icmp -j REJECT | | |
| | | Cek ping from client | | |
| | | iptables-save<br>*netfilter-persistent save* | | |
| | | nano */etc/iptables/rules.v4* | | |
| | | | | |

*Upload this file to LMS after completed with name*