

JOB SHEET PRACTICE

LEARNING ACTIVITIES:4

Software :

1. iptables
2. apache
3. ssh
4. proftpd

Tabel :1

No	Steps	Information
1.	Login to serverdebian	<i>Root , password: root</i>
2.	Configuration web server content	<p><i>Nano /var/www/html</i></p> <pre><html> <head> <title> default web classroom networking </title> </head> <body> <h1> welcome to classroom network</h1> </body> </html></pre>
3.	Check web server from pc host (write results in table 2)	<p>http://192.168.100.1</p> <p><i>Note: all ip address adapted with your condition network. The configuration above is just an example</i></p>
4.	Check service router from pc host (write results in table 2)	<p>http://192.168.1.11</p> <p><i>Note: all ip address adapted with your condition network. The configuration above is just an example</i></p>
5.	Login to router debian	<i>Root , password: root</i>
6.	Configuration IPTABLES DMZ (HTTP server)	<pre>iptables -A INPUT -p tcp -m multiport -d 192.168.1.11 --dport 80 -j ACCEPT iptables -A FORWARD -p tcp -m multiport -d 192.168.100.1 --dport 80 -j ACCEPT iptables -t nat -A PREROUTING -p tcp -m multiport -d 192.168.1.11 --dport 80 -j DNAT --to 192.168.100.1:80</pre>
7.	Check service router from pc host	http://192.168.1.11

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	(write results in table 2)	<i>Note: all ip address adapted with your condition network. The configuration above is just an example</i>
8.	Configuration IPTABLES DMZ (SSH)	<pre>iptables -A INPUT -p tcp -m multiport -d 192.168.1.11 --dport 22 -j ACCEPT</pre> <pre>iptables -A FORWARD -p tcp -m multiport -d 192.168.100.1 --dport 22 -j ACCEPT</pre> <pre>iptables -t nat -A PREROUTING -p tcp -m multiport -d 192.168.1.11 --dport 222 -j DNAT --to 192.168.100.1:22</pre>
9.	Check ssh 1 (write results in table 2)	<pre>check using putty on port 22</pre> <pre>Check ip using ifconfig or ip addr</pre>
10.	Check ssh 2 (write results in table 2)	<pre>check using putty on port 222</pre> <pre>Check ip using ifconfig or ip addr</pre>
11.	Show iptables	<pre>iptables -nL</pre>
12.	Save iptables	<pre>iptables-save</pre> <i>netfilter-persistent save</i>
13.	Install FTP server (server debian) (write results in table 2)	whatever you now
14.	Configuration IPTABLES DMZ (FTP server) (write results in table 2)	whatever you now
15.	Install FTP	<pre>apt-get install vsftpd</pre>
16.		<pre>nano /etc/vsftpd.conf</pre> <pre>cari baris dengan ctrl + w</pre> <pre>#write_enable=YES</pre> <p>Ubah jadi <i>write_enable=YES</i></p> <pre>#chroot_local_user=YES</pre> <p>Ubah jadi <i>chroot_local_user=YES</i></p> <pre>#chroot_list_enable=YES</pre> <p>Ubah jadi <i>chroot_list enable=YES</i></p>

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		<pre>#chroot_list_file=/etc/vsftpd.chroot_list Ubah jadi chroot_list_file=/etc/vsftpd.chroot_list ssl_enable=NO (tetap tidak usah dirubahh), jika default ada tanda # dibuang User yang boleh ftp : echo guru >> /etc/vsftpd.chroot_list</pre>
17.	Iptables DMZ untuk FTP	<pre>iptables -A INPUT -p tcp -m multiport -d 192.168.1.11 --dport 21 -j ACCEPT</pre>
18.		<pre>iptables -A FORWARD -p tcp -m multiport -d 192.168.100.1 --dport 21 -j ACCEPT</pre>
19.		<pre>iptables -t nat -A PREROUTING -p tcp -m multiport -d 192.168.1.11 --dport 21 -j DNAT --to 192.168.100.1:21</pre>

Upload this file to LMS after completed with name

Tabel 2

No	testing	steps	Result	Cature screen (minimize pic)
1.	web server from pc host	http://192.168.100.1		
2.	Check service router from pc host	http://192.168.1.11		
3.	Check ssh 1	check using putty on port 22		
		Check ip using ifconfig or ip addr		
4.	Check ssh 1	check using putty on port 222		
		Check ip using ifconfig or ip addr		
5.	Check FTP			