4/28/2020 TestOut LabSim

Exam Report: 12.6.7 Practice Questions		
Date: 4/4/28 4:41:16 pm Time Spent: 1:05	Candidate: Garsteck, Matthew Login: mGarsteck	
Overall Performance		
Your Score: 27%	Passing Score: 80%	
View results by: Objective Analysis Objective Analysis	Individual Responses	
Individual Responses		
▼ Question 1: <u>Incorrect</u>		
Which of the following files should be modi TWO). /proc/sys/net/ipv4/ip_forward /usr/lib/modules/kernelversion/ker /usr/lib/modules/kernelversion/ker /etc/services /proc/sys/net/ipv6/ip_forward Explanation	nel/net/ipv6	
• Enable IPv6 forwarding by writing to the Enable IPv6 forwarding the Enabl	rding by writing a 1 to the ip_forward file. ne /proc/sys/net/ipv4/ip_forward file.	
Be cautious about enabling IP forwarding winternet or to a subnet you don't control.	ithout a firewall, especially if an interface connects to the c/services file. This file is a list of well-known services and	
References Linux Pro - 12.6 Linux Firewalls [e_firewall_lp5.exam.xml Q_FIREALL_LP3.	5_IP_FORWARDING]	
▼ Question 2: <u>Incorrect</u>		
Which of the following are Python scripts cl rule sets to automate the rules iptables use to firewalld DenyHosts	assified as intrusion prevention software that provide dynamic of filter network traffic? (Choose TWO.)	
IPset		

Fail2ban

Uncomplicated Firewall (UFW)

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Explanation

DenyHosts and Fail2ban are two popular Python scripts that are classified as instruction prevention software. Both scripts monitor log files and react to common security problems, such as brute force attacks, by adding or modifying firewall rules.

Uncomplicated Firewall (UFW) provides a user-friendly framework for managing Netfilter.

IPset is a companion application to IPTables that allows you to easily set firewall rules for a block of IP addresses.

firewalld is a front-end controller for IPTables.

References

Linux Pro - 12.6 Linux Firewalls [e_firewall_lp5.exam.xml Q_NETSEC_F_LP5_DENYHOSTS_FAIL2BAN]

Question 3: Correct

Alex, a webmaster, recently deployed a new web server. After checking external access to the new web server, he was unable to communicate on port 80. Alex verified that the host-based firewall's configuration had been changed and that the httpd service is running.

Which of the following commands will most likely resolve the communication issue?

	systemctl	restart	httpo
\	-,		

firewall-cmd --permanent --zone=public --add-port= 80/tcp



Install firewalld on the same system as the webserver

Explanation

systemctl restart firewalld restarts the firewall service. This is important because if you make any changes to the firewall configuration, you need to restart the firewalld daemon in order to have that change take effect. This is most likely the step that Alex did not complete for the configuration changes to take effect.

firewall-cmd --permanent --zone=public --add-port= 80/tcp changes the configuration, which Alex had already done.

Install firewalld on the same system as the webserver is not a command.

systemctl restart httpd will restart the webserver, which will have no impact on the issue since the webserver is running.

References

Linux Pro - 12.6 Linux Firewalls [e_firewall_lp5.exam.xml Q_NETSEC_F_LP5_FIREWALLD]

Question 4: **Incorrect**

Which of the following popular Linux firewalls are based on Netfilter? (Choose THREE).

IP Forwarding firewalld

netcat

netstat

Uncomplicated Firewall (UFW)



IPTables
Wireshark

Explanation

Iptables, Uncomplicated Firewall (UFW), and firewalld are all firewalls based on Netfilter.

The other options are not firewalls.

References

Linux Pro - 12.6 Linux Firewalls [e_firewall_lp5.exam.xml Q_NETSEC_F_LP5_NETFILTER]

Question 5: **Incorrect**

In an effort to secure the internal network, the system administrator has implemented a host-based firewall and set up explicit allow and deny statements for specific ports and services. Some of the employees are complaining they can no longer access the applications they need. The server was on the internal network connected to an internal router, which is connected to the DMZ and an external router to the internet.

Which of the following is the most likely causing problems?

		The internal network router is now misconfigured.
→	\bigcirc	Restrictive ACLs on the firewall.
		The external network router is now misconfigured.
		The DMZ is blocking access.

Explanation

Restrictive ACLs on the firewall is most like the issue since access was disrupted after implementing the firewall. ACLs determine whether routed packets are accepted, rejected, or dropped.

- Accepted packets are forwarded on to their destinations.
- Rejected packets are blocked, and a message is sent back to the packet's sender.
- Dropped packets are also blocked, but no message is sent.

Changes to the host-based firewall would not impact the internal router, DMZ, or the external router.

References

Linux Pro - 12.6 Linux Firewalls [e_firewall_lp5.exam.xml Q_NETSEC_F_LP5_RESTRICTIVE_ACLS]