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Exam Report: 15.6.7 Practice Questions				
Date: 4/4/28 6:49:01 pm Time Spent: 0:25	Candidate: Garsteck, Matthew Login: mGarsteck			
Overall Performance				
Your Score: 0%				
	Passing Score: 80%			
View results by: Objective Analysis Indiv	ridual Responses			
Individual Responses				
▼ Question 1: <u>Incorrect</u>				
Which is the most correct description for 3DES?				
→ 3DES is a very secure mode of the DES times using a 168-bit key.	S algorithm encryption method that encrypts data three			
3DES is derived from Microsoft's Wind	dows Encrypted File System (EFS).			
 3DES means running the DES algorith 	m three times for maximum encryption.			
3DES is a third generation version of I	DES, the Data Encryption Standard cipher.			
Explanation				
different encryption passes (for a total of 168 key	t encrypts data with three different 56-bit keys in three bits). 3DES is not derived from Microsoft's EFS. ame as 3DES. 3DES does not mean it is the third			
References				
Linux Pro - 15.6 OpenSSH [e_ssh_lp5.exam.xml Q_ENCRYPT_TYPE_STA	AND_LP5_01]			
▼ Question 2: <u>Incorrect</u>				
Which version of SSH supports the Rivest, Shan (DSA) encryption standards?	ir Adleman (RSA), and Digital Signature Algorithm			
	SSH2			
Explanation				
SSH version 2 (SSH2) is the current standard SS encryption. SSH:	H implementation. It can use either DSA or RSA			
session. The public key is available to all user never shared.	and transfer a symmetric key that is used during the s. The private key is only available on the server and is			

- Can use associated key management software and scripts to automate the exchange of public keys.
- Allows encryption of other network protocols, such as the X server protocols.

References

Linux Pro - 15.6 OpenSSH

[e_ssh_lp5.exam.xml Q_ENCRYPTF_LP5_01]

▼ Question 3: **Incorrect**

Which of the following public keys is sent from the SSH server to the SSH client when they are in the process of establishing a session with the SSH1 protocol?

þ	\bigcirc	ssh_host_key.pub
		ssh_host_rsa_key.pub
		ssh_host_dsa_key.pub
		ssh_key.pub

Explanation

The server sends the ssh_host_key.pub from the /etc/ssh/ directory to the client in the process of establishing a session with the SSH1 protocol.

Computers use the following steps when establishing a session using SSH:

- 1. A client running SSH establishes a connection to the server (any computer running the SSH daemon) over port 22.
- 2. The computers determine which SSH version to use based on the specifications in the configuration files. Typically, SSH2 is used.
- 3. The server sends one of the following public keys from the /etc/ssh/ directory to the client:
 - ssh_host_key.pub (SSH1 public key)
 - ssh_host_rsa_key.pub (SSH2 public key when using RSA)
 - ssh_host_dsa_key.pub (SSH2 public key when using DSA)
- 4. When the client receives the public key from the server, it compares the key to the keys it has received and stored in one of the following files:
 - /etc/ssh/ssh_known_hosts
 - ~/.ssh/known hosts

If the key is not present in either of these files, the client prompts the user to accept and store the key.

- 5. The server and the client then use the Diffie-Hellman key exchange system to agree on a symmetric key that they use for the rest of the session.
- 6. The data is exchanged with symmetric encryption.

References

Linux Pro - 15.6 OpenSSH [e_ssh_lp5.exam.xml Q_ENCRYPTF_LP5_02]

Question 4:

Incorrect

Where does the client store SSH keys that are used to establish an SSH session? (Select TWO).

→	/etc/ssh/ssh_known_hosts
	/etc/ssh/sshd_config
	~/.ssh/config

~/.ssh/known_hosts

Explanation

When the client receives the public key from the SSH server, it compares the key to the keys it has received and stored in one of the following files:

- /etc/ssh/ssh_known_hosts
- ~/.ssh/known_hosts

Use /etc/ssh/sshd_config to configure the SSH daemon on the server system. Use ~/.ssh/config or /etc/ssh/ssh_config to configure the SSH daemon on the client system.

Computers use the following steps when establishing a session using SSH:

- 1. A client running SSH establishes a connection to the server (any computer running SSH daemon)) over port 22.
- 2. The computers determine which SSH version to use based on the specifications in the configuration

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files Typically SSH2 is used following public keys from the /etc/ssh/ directory to the client:

- ssh_host_key.pub (SSH1 public key)
- ssh_host_rsa_key.pub (SSH2 public key when using RSA)
- ssh_host_dsa_key.pub (SSH2 public key when using DSA)
- 4. When the client receives the public key from the server, it compares the key to the keys it has received and stored in one of the following files:
 - /etc/ssh/ssh_known_hosts
 - ~/.ssh/known_hosts

If the key is not present in either of these files, the client prompts the user to accept and store the key.

- 5. The server and the client then use the Diffie-Hellman key exchange system to agree on a symmetric key that they use for the rest of the session.
- 6. The data is exchanged with symmetric encryption.

References

Linux Pro - 15.6 OpenSSH [e_ssh_lp5.exam.xml Q_ENCRYPTF_LP5_03]

Question 5:

Incorrect

When using DSA to establish an SSH session, what is the name of the key that the SSH server will send to the client? (Enter the name of the key only.)

ssh_host_dsa_key.pub

Explanation

The server sends the ssh_host_dsa_key.pub from the /etc/ssh/ directory to the client in the process of establishing a session when using DSA (Digital Signature Algorithm).

Computers use the following steps when establishing a session using SSH:

- 1. A client running SSH establishes a connection to the server (any computer running SSH daemon) over port 22.
- 2. The computers determine which SSH version to use based on the specifications in the configuration files. Typically, SSH2 is used.
- 3. The server sends one of the following public keys from the /etc/ssh/ directory to the client:
 - ssh_host_key.pub (SSH1 public key)
 - ssh_host_rsa_key.pub (SSH2 public key when using RSA)
 - ssh_host_dsa_key.pub (SSH2 public key when using DSA)
- 4. When the client receives the public key from the server, it compares the key to the keys it has received and stored in one of the following files:
 - /etc/ssh/ssh_known_hosts
 - ~/.ssh/known hosts

If the key is not present in either of these files, then the client prompts the user to accept and store the key.

- 5. The server and the client then use the Diffie-Hellman key exchange system to agree on a symmetric key that they use for the rest of the session.
- 6. The data is exchanged with symmetric encryption.

References

Linux Pro - 15.6 OpenSSH [e_ssh_lp5.exam.xml Q_ENCRYPTF_LP5_04]

▼ Question 6:

Incorrect

You need to connect to a remote system whose host name is *abc.def.com* and execute a shell script called daily-backup.sh that backs up some files. The username that has permissions to execute that script is bubba.

Which command should you run to make the connection?

netstat abc.def.com bubba

	\cup	ssh abc.def.com:bubba
		ping abc.def.com:bubba
→		ssh -l bubba abc.def.com

Explanation

Use the ssh utility to connect to the remote host using a secure shell connection. Use the -l option to specify a name to use to make the connection. The only other variable you must give is the name of the host you want to connect with.

Use the netstat utility to see the status of sockets and related networking statistics. Use the ping utility to see if a host is reachable.

References

Linux Pro - 15.6 OpenSSH [e_ssh_lp5.exam.xml Q_OPENSSH_C_LP5_01]

Incorrect

▼ Question 7:

The gshant user is attempting to connect to a remote SSH server; however, you need to override the default SSH configurations for the client system when he establishes an SSH session.

Which of the following files should you edit?

/etc/ssh/sshd_config /etc/ssh/ssh_known_hosts /home/gshant/.ssh/config /etc/ssh/ssh_config

Explanation

~/.ssh/config is a user-specific hidden file that can override the configuration in /etc/ssh/ssh_config file. The /etc/ssh/ssh_config file configures OpenSSH for all users on the client system.

The /etc/ssh/sshd_config file configures the SSH daemon on the server system. The client stores the public keys it receives from the server in one of the following files:

- /etc/ssh/ssh_known_hosts
- ~/.ssh/known_hosts

References

Linux Pro - 15.6 OpenSSH [e_ssh_lp5.exam.xml Q_OPENSSH_C_LP5_02]

▼ Question 8:

Incorrect

You want to change the port that SSH listens on. You are going to edit the /etc/ssh/sshd_configfile.

Which line, when added to the file, will change the listening port to 1066?



Explanation

The correct line is port 1066. The default port for ssh is 22, and changing it to 1066 adds additional security to your system. For example, to ssh into foobar.com, which is listening on port 1066, you would type the following command:

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ssh -p 1066 root@foobar.com

The keywords listen, listen_port, and ssh_port are incorrect.

References

Linux Pro - 15.6 OpenSSH

[e_ssh_lp5.exam.xml Q_OPENSSH_C_LP5_03]

Question 9:

Incorrect

A number of remote users call to say that they cannot connect via SSH today. When you look at the processes, you see that the daemon is not running.

Which command would you use to solve this problem?



Explanation

The script controlling the ssh daemon resides in the /etc/rc.d/init.d directory and can be started with the start command.

References

Linux Pro - 15.6 OpenSSH

[e_ssh_lp5.exam.xml Q_OPENSSH_C_LP5_04]

▼ Question 10:

Incorrect

What is the full path and filename of the file you should edit to configure the SSH daemon on the server system?

/etc/ssh/sshd_config

Explanation

The /etc/ssh/sshd_config file configures the SSH daemon on the server system. Be aware of the following frequently used options for configuring an SSH server:

- AllowUsers lists users allowed to use SSH. If an AllowUsers line is used in the file, all users except those listed are denied access by default.
- DenyUsers lists users not allowed to use SSH. If a DenyUsers line is used in the file, all users except those listed are granted access by default. A DenyUsers entry overrides an AllowUsers entry.
- **Protocol** specifies which protocols SSH allows when accessing the SSH server.
- **ListenAddress** gives the addresses that SSH should use when listening for requests. By default, the server listens on all IP addresses assigned to it. Use this line to specify specific addresses.
- Port specifies the port number. The default is 22. Use this line to change the default.
- **PasswordAuthentication** disables password authentication when set to *no*.
- UsePAM enables the Pluggable Authentication Modules (PAM) interface between sshd and the
- PermitRootLogin specifies whether users can log in as root over SSH.

References

Linux Pro - 15.6 OpenSSH

[e_ssh_lp5.exam.xml Q_OPENSSH_C_LP5_05]