Score: 80%

15.10.4 Practice Questions

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Date: 12/9/2022 12:37:35 am • Time Spent: 00:46

▼ Question 1: X Incorrect

What is the name of the hash function used to verify the public key for an SSH connection?

MD5

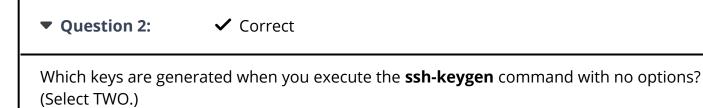
Explanation

MD5 is an algorithm intended for digital signature applications. MD5 is available on many operating systems, including Windows and Linux.

References

□ 15.10.3 Public Key Authentication Facts
q_public_key_auth_f_lp5_01.question.fex

Passing Score: 80%



- → id_rsa
 - id_dsa.pub
 - id_dsa
- → id_rsa.pub

Explanation

Use **ssh-keygen** to create a key on the client for use when authenticating to a server. Be aware of the following **ssh-keygen** options:

- -t dsa creates a DSA key pair (i.e., id_dsa and id_dsa.pub).
- **-t rsa** creates an RSA key pair (i.e., id_rsa and id_rsa.pub). This action is also the default when no options are included.

The client uses the public and private key pairs to authenticate to the server.

References

15.10.3 Public Key Authentication Facts

 $q_public_key_auth_f_lp5_02.question.fex$

▼ Question 3:

✓ Correct

As you configure your client for public key authentication, you decide to generate the DSA key pair.

You would like to configure the client to automatically provide the private key passphrase when needed so that you do not need to type the passphrase for every new SSH connection to a server.

Which command should you use in conjunction with the ssh-agent bash command? (Enter the command and options as if you are at the command prompt.)

ssh-add ~/.ssh/id_dsa



Explanation

Use **ssh-add ~/.ssh/id_dsa** to specify the name of the private key to add to the passphrase agent (either id_rsa or id_dsa).

Use **ssh-agent bash** and **ssh-add** to configure the client to automatically provide the private key passphrase when needed so that it does not have to be typed for every new connection to a server.

- 1. Use **ssh-agent bash** to enable the passphrase agent.
- 2. Use **ssh-add** to specify the name of the private key to add to the agent. For protocol 2, this is one of the following:
 - ~/.ssh/id_rsa
 - ~/.ssh/id_dsa

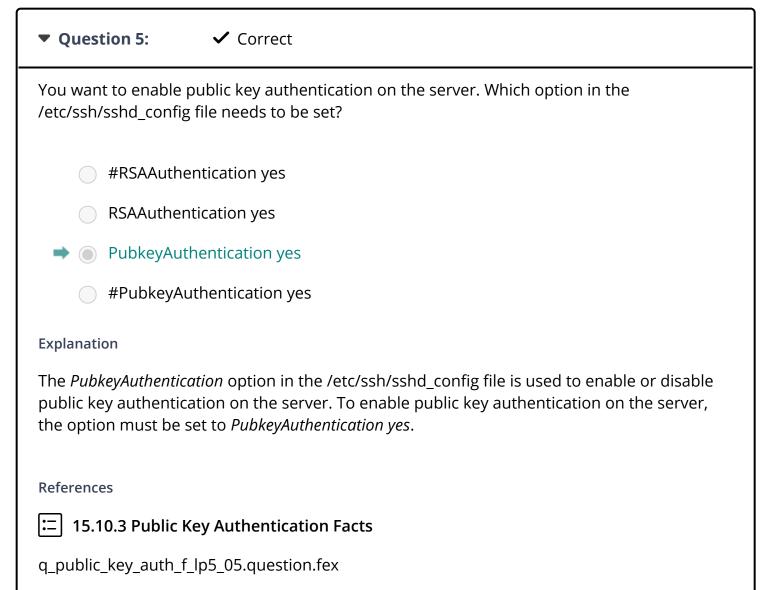
References



15.10.3 Public Key Authentication Facts

q_public_key_auth_f_lp5_03.question.fex

▼ Question 4: ✓ Correct
You are configuring public key authentication on your client system. Which command enables the passphrase agent?
ssh-agent bash
○ scp
ssh-keygen
ssh-add
Explanation
ssh-agent bash enables the passphrase agent. Then you use ssh-add to specify the name of the private key to add to the agent (either id_rsa or id_dsa).
ssh-keygen creates a key on the client for use when authenticating to a server. scp encrypts and copies files from a remote system over the network.
References
15.10.3 Public Key Authentication Facts
q_public_key_auth_f_lp5_04.question.fex



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