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[CCNP ROUTE Chapter 8 Exam Answers (Version 7) – Score 100%](https://itexamanswers.net)

How to find: Press "Ctrl + F" in the browser and fill in whatever wording is in the question to find that question/answer.

NOTE: If you have the new question on this test, please comment Question and Multiple-Choice list in form below this article. We will update answers for you in the shortest time. Thank you! We truly value your contribution to the website.

1. **Which routing protocol enables authentication by default?**

   - EIGRP
   - OSPFv2 with key chains
   - Named EIGRP
   - **No routing protocol enables authentication by default.***
   - OSPFv2

2. **Which statement about plain-text authentication is true?**

   - **Plain-text authentication is considered to be insecure and should not be used.***
   - Plain-text authentication is supported by EIGRP, and OSPFv2.
   - Plain-text authentication peers require different passwords to authenticate the routing updates.
   - Plain-text authentication use the key and hashing algorithm to produce a signature.

3. **Which two authentication methods does EIGRP support? (Choose two.)**

   - None of the above
   - **SHA***
   - Plain text
   - IPsec encryption
   - **MD5***

4. **The output of the *show running-configuration* command displays the following line: *enable secret 4 JpAg4vBxn6wTb6NE3N1p0wfUUZzR6eOcVUKUFftxEyA*Based on the output, which statement is true regarding the enable password?**

   - It was encrypted using the *password service-encryption* command.
   - **It is encrypted using SHA256.***
   - It was encrypted using the *service password-encryption* command.
   - It is encrypted using IPsec.

- It is encrypted using MD5.

5. **The output of the *show ip ssh* command displays "SSH Enabled – version 2". Based on this output, which statement is true?**
   - When SSH is enabled, this is the default SSH version.
   - This is also known as "compatibility mode" because it supports both SSHvl and SSHv2.
   - **The device was configured with the *ip ssh version 2* command.***
   - None of the above.
   - This is the original version but has known vulnerabilities.

6. **When implementing logging, it is also important that dates and times are accurate and synchronized across all the network infrastructure devices using _____.**
   - ntp
   - NTP
   - network time protocol
   - **Network Time Protocol ***
   - NETWORK TIME PROTOCOL

7. **The _____ privileged EXEC command can be used to manually create an archive of the running configuration file.**
   - **archive config ***

8. **Which statement about SNMP is true?**
   - SNMPv1, SNMPv2, and SNMPv3 use community strings. SNMPv2 supports the use of read-write community strings to encrypt SNMP messages.
   - SNMPv1 uses community strings to encrypt SNMP messages.
   - SNMPv1 is the most secure version to use.
   - **SNMPv3 can provide authenticity, integrity, and confidentiality.***

9. **Refer to the exhibit. Based on the configuration, which statement is true about the archive command?**
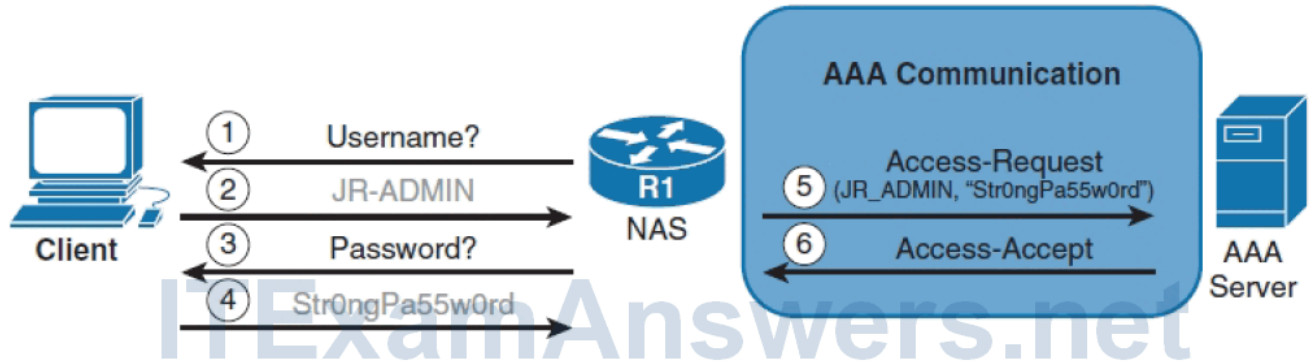
```
R1(config)# archive
R1(config-archive)# path ftp://admin:cisco123@10.1.2.3/$h.cfg
R1(config-archive)# write-memory
R1(config-archive)# time-period 1440
R1(config-archive)# end
R1#
```

   - The startup configuration file is automatically saved every 24 hours.
   - The *write-memory* archive configuration command saves the archive every time the running configuration is saved to NVRAM.
   - The FTP path specified has a folder named admin:cisco on a server located at 10.1.2.3.

- ▪ To save the configuration, the administrator needs to use the *config archive* privileged EXEC command.
- ▪ **The only required parameter is the *path* archive configuration command.***

10. **What does the *accept-lifetime 04:00:00 Jan 10 2015 infinite* command do?**
   - ▪ specifies that a key is acceptable for use on received packets until January 10, 2015
   - ▪ specifies that a key is acceptable for use on sent packets from January 10, 2015 onward
   - ▪ **specifies that a key is acceptable for use on received packets from January 10, 2015 onward***
   - ▪ specifies that a key is acceptable for use on sent packets until January 10, 2015

11. **Which VRF-lite statement is true?**
   - ▪ **VRF-lite is the deployment of VRF without MPLS.***
   - ▪ VRF-lite Layer 3 interfaces can belong to more than one VRF at any time.
   - ▪ VRF-lite cannot be used with Cisco Easy Virtual Network (EVN).
   - ▪ VRF-lite operates at Layer 3 while VRF operates at Layer 2.

12. **Which of the following is an IP-based network solution that takes advantage of existing VRF-lite technology to simplify Layer 3 network virtualization, improve support for shared services, and enhance management and troubleshooting.**
   - ▪ VPN Routing and Trunking (VRT)
   - ▪ Virtual Routing and Forwarding (VRF)
   - ▪ Cisco Easy VPN
   - ▪ Virtual Routing and Trunking (VRT)
   - ▪ VPN Routing and Forwarding (VRF)
   - ▪ **Cisco Easy Virtual Network (EVN)***

13. **Using SSH, implementing logging, and securing SNMP are all tasks related to securing which router operational plane?**
   - ▪ **Management plane***
   - ▪ Protocol plane
   - ▪ Data plane
   - ▪ Forwarding plane
   - ▪ Control plane
   - ▪ Air plane

14. **Using routing protocol authentication is a task related to securing which router operation plane?**
   - ▪ Management plane
   - ▪ **Control plane***
   - ▪ Forwarding plane

- Protocol plane
- Air plane
- Data plane

15. **Refer to the exhibit. Which AAA authentication protocol operation is being illustrated in the exhibit?**

- **RADIUS***
- Kerberos
- Local
- TACACS+
- Plain text