Networking Services

Introduction to Network Services
Name Resolution
Name Resolution in Practice
Dynamic Host Configuration Protocol
Network Address Translation
VPNs and Proxies
Graded Assessments

Reading: Module 4 Glossary
10 min

Reading: Graded Plugin
10 min

Quiz: Networking Services Simulation
1 question

Quiz: Networking Services
10 questions

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Networking Services
Quiz • 1h 20m

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Due Jun 11, 11:59 PM +08   **Attempts** 3 every 24 hours

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1. A company moves a website to a new web host. Which of the following will change as a result?   **1 / 1 point**
   - ○ Domain name
   - ● Internet Protocol (IP)
   - ○ Root name server
   - ○ Network server

   ✓ Correct

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2. During the name resolution process, which server does a local recursive server contact first?   **1 / 1 point**
   - ○ Caching name server
   - ○ Top level domain (TLD) server
   - ● Root name server
   - ○ Authoritative name server

   ✓ Correct

3. What port on a name server is used for User Datagram Protocol (UDP) name request packets?   **1 / 1 point**
   - ○ 25
   - ○ 22
   - ○ 80
   - ● 53

   ✓ Correct

4. What is the purpose of DNS round robin technique?   **1 / 1 point**
   - ○ To resolve an IP to a domain name
   - ○ To route traffic to different destinations, depending on factors like location, congestion, or link health
   - ● To balance traffic
   - ○ To redirect traffic from one domain name to another

   ✓ Correct

5. Which portion of a domain is known as the 'www' portion?   **1 / 1 point**
   - ○ The DNS Resolver
   - ● The subdomain
   - ○ The Dynamic Host Configuration Protocol (DHCP)
   - ○ The Top Level Domain (TLD) name

   ✓ Correct

6. Which of the following requires a manually specified list of MAC addresses and corresponding IPs?   **1 / 1 point**
   - ● Fixed allocation
   - ○ FQDN
   - ○ Subnet mask
   - ○ Automatic allocation

   ✓ Correct

7. Fill in the blank: When NAT hides the source IP of an originating device, this is known as _____.   **1 / 1 point**
   - ○ Routing
   - ○ Port Forwarding
   - ○ Switching
   - ● Masquerading

   ✓ Correct

8. What technique is used with Network Address Translation (NAT) when a source port chosen by a client is the same port used by a router?   **0 / 1 point**
   - ○ Preservation
   - ○ Forwarding
   - ○ Masquerading
   - ● Translation

   ✗ Incorrect
   Please review the video on NAT at the transport layer.

9. VPNs often use an authentication procedure that requires a user to generate a short lived numerical token through a specialized piece of hardware or software, in addition to providing a username and password. What is this authentication procedure called?   **1 / 1 point**
   - ○ Biometric authentication
   - ○ Certificate-based authentication
   - ○ Password-based authentication
   - ● Two-factor authentication

   ✓ Correct

10. What service acts on behalf of a client in order to access another service?   **1 / 1 point**
    - ○ Dynamic Host Configuration Protocol (DHCP)
    - ○ Domain Name Systems (DNS)
    - ○ A Virtual Private Network (VPN)
    - ● A proxy server

    ✓ Correct