

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

🎉 Congratulations! You passed!

Grade received 100%

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To pass 80% or higher

Go to next item

1. A company needs to connect a new web host. Which of the following will change as a result?

1 / 1 point

Try again

- ☐ Root name server

☒ Internet Protocol (IP)

☐ Network Services

☐ Domain Names
- 👍 Like

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2. Which type of Domain Name System (DNS) server performs a full name resolution request?

1 / 1 point

- ☐ Caching name server

☒ Recursive name server

☐ Root name server

☐ Authoritative name server
- 👍 Like

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3. How many root name servers are there?

1 / 1 point

- ☐ 5

☐ 24

☐ 100

☒ 13
- 👍 Like

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4. Fill in the blank: A DNS record that's used to redirect traffic from one domain name to another is known as a _____ record.

1 / 1 point

- ☐ SQA

☒ CNAME

☐ NS

☐ QUAD A
- 👍 Like

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5. A complete Fully Qualified Domain Name (FQDN) is limited to how many characters?

1 / 1 point

- ☐ 127

☐ 63

☒ 255

☐ 53
- 👍 Like

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6. Along with an IP address, a subnet mask, and a name server, which of the following is the other thing required for a computer to operate on a network?

1 / 1 point

- ☒ A gateway

☐ A proxy

☐ A NTP server

☐ A FQDN
- 👍 Like

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7. Network Address Translation (NAT) is typically implemented with which of these hardware devices?

1 / 1 point

- ☐ Hubs

☒ Routers

☐ Servers

☐ Switches
- 👍 Like

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8. What NAT technique allows for complete IP masquerading, while still having services that can respond to incoming traffic?

1 / 1 point

- ☐ Rewriting

☒ Port forwarding

☐ One-to-many

☐ Preservation
- 👍 Like

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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

☐ Password-based authentication

☐ Certificate-based authentication

☒ Two-factor authentication
- 👍 Like

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10. What service acts on behalf of a client in order to access another service?

1 / 1 point

- ☐ Domain Name Systems (DNS)

☒ A proxy server

☐ Dynamic Host Configuration Protocol (DHCP)

☐ A Virtual Private Network (VPN)
- 👍 Like

👎 Dislike

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