

Review: Week 03

Due Nov 12 at 11:59pm

Points 10

Questions 10

Available Nov 9 at 11am - Nov 12 at 11:59pm

Time Limit None

Allowed Attempts Unlimited

Instructions

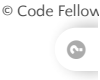
Quiz Instructions

After completing the related class lecture and assignments, take this quiz to verify your skill.

This quiz is “open book”, but for you to work through on your own. Refer to your notes, use your standard resources, or reference online documentation a

You can retake this quiz if needed, and your highest score will be your final grade. There is no time limit.

Good luck!



Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	1 minute	10 out of 10
LATEST	Attempt 2	1 minute	10 out of 10
	Attempt 1	9 minutes	8 out of 10

Score for this attempt: **10** out of 10

Submitted Nov 9 at 1:42pm

This attempt took 1 minute.

Question 1

1 / 1 pts

An end user complains her computer is unable to browse websites. You begin troubleshooting and notice that you can ping Google.com successfully from her computer. What is the best next step?



```
Command Prompt
Microsoft Windows [Version 10.0.19041.329]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\admin>ping google.com

Pinging google.com [2607:f8b0:400a:808::200e] with 32 bytes of data:
Reply from 2607:f8b0:400a:808::200e: time=11ms
Reply from 2607:f8b0:400a:808::200e: time=7ms
Reply from 2607:f8b0:400a:808::200e: time=6ms
Reply from 2607:f8b0:400a:808::200e: time=6ms

Ping statistics for 2607:f8b0:400a:808::200e:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 6ms, Maximum = 11ms, Average = 7ms

C:\Users\admin>
```

- ☐ Inspect Windows firewall inbound settings for ports 21, 22
- ☐ Ask the network administrator to disable the network firewall
- ☐ Ask the end user to use her mobile phone hotspot instead
- ☒ Inspect Windows firewall outbound settings for ports 80, 443

Correct!

Question 2

1 / 1 pts

What bundles multiple network ports together to connect incoming and outgoing lines?

- ☐ Switch
- ☐ Router
- ☒ Patch panel
- ☐ Cable modem

Correct!

Question 3

1 / 1 pts

What is NOT an advantage of hosting virtual machines in the cloud?

- ☐ Location-agnostic hosting and accessibility
- ☐ Elasticity
- ☐ Hardware independence
- ☒ Greater control over server hardware components

Correct!

Question 4

1 / 1 pts

AWS EC2 is an example of which service delivery model?

- ☐ PaaS
- ☒ IaaS
- ☐ IaaS
- ☐ SaaS

Correct!

Question 5

1 / 1 pts

_____ is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing.

- ☐ Streaming
- ☐ Agile
- ☐ Wi-Fi
- ☒ Cloud computing

Correct!

Question 6

1 / 1 pts

While troubleshooting a network issue on a computer, you inspect the ethernet cable and see the correct LED lights flashing. The ethernet adapter has a MAC address. You then observe that the computer is receiving a legitimate IP address from the DHCP server. Which layers of the OSI Model appear to be operating normally on this computer, based upon your observations thus far?

- ☐ Session, Presentation, Application
- ☒ Physical, Data Link, Network
- ☐ Data Link, Network, Transport
- ☐ Network, Transport, Session

Correct!

Question 7

1 / 1 pts

You're installing a computer network for a small business client. The manager has purchased gigabit internet speed and wants her desktop PC to have gigabit speed and be connected to the internet in the most reliable way possible. What will you install?

- ☐ 802.11g Wi-Fi
- ☒ Cat6 ethernet
- ☐ Cat5 ethernet

Correct!

☐ 802.11n Wi-Fi

Question 8**1 / 1 pts**

While working with a small business' Linksys WRT54G router, you decide to "flash" it with DD-WRT. What part of the router will be changed?

☐ Hard drive

☒ Firmware

☐ RAM

☐ CPU

Correct!**Question 9****1 / 1 pts**

Marcus runs `ipconfig /all` and generates this screen on a Windows 10 PC. What is the MAC address of this ethernet adapter?

```
C:\Users\admin>ipconfig /all

Windows IP Configuration

Host Name . . . . . : DESKTOP-F6RDV2A
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : hsd1.wa.comcast.net

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . : hsd1.wa.comcast.net
Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Physical Address. . . . . : 08-00-27-B0-7E-A6
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::716c:3ecb:8038:214b%6(Preferred)
IPv4 Address. . . . . : 10.0.2.15(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : Thursday, June 18, 2020 9:23:04 PM
Lease Expires . . . . . : Friday, June 19, 2020 9:23:16 PM
Default Gateway . . . . . : 10.0.2.2
DHCP Server . . . . . : 10.0.2.2
DHCPv6 IAID . . . . . : 101187623
DHCPv6 Client DUID. . . . . : 00-01-00-01-26-74-44-60-08-00-27-B0-7E-A6
DNS Servers . . . . . : 75.75.75.75
                          75.75.76.76
NetBIOS over Tcpip. . . . . : Enabled
```

☐ fe80::716c:3ecb:8038:214b

☐ 10.0.2.15

☒ 08-00-27-B0-7E-A6

☐ 10.0.2.2

Correct!

Question 10**1 / 1 pts**

You are adding a networked printer to a computer on the same network. What is the most specific method of identifying the printer?

Correct!☒ Printer IP address☐ Printer name☐ Printer model☐ Printer driver**Quiz Score: 10 out of 10**