

# Review: Week 01

Due Dec 3 at 11:59pm

Points 10

Questions 10

Available Nov 30 at 11:59pm - Dec 17 at 11:01pm

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 as you like, but don’t consult your classmates. It’s not about what you have memorized, but about what you can figure out.

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

Good luck!

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Take the Quiz Again

## Attempt History

	Attempt	Time	Score
KEPT	<a href="#">Attempt 2</a>	2 minutes	10 out of 10
LATEST	<a href="#">Attempt 2</a>	2 minutes	10 out of 10
	<a href="#">Attempt 1</a>	6 minutes	8.67 out of 10

Score for this attempt: 10 out of 10

Submitted Dec 1 at 3:41pm

This attempt took 2 minutes.

Question 11 / 1 pts

Which attack technique abuses the TCP three-way handshake?

☐ MAC spoofing

☐ Spear phishing

☐ DNS tunneling

Correct!

- ☒ SYN flood

**Question 2**

1 / 1 pts

Your web server is experiencing brute force attacks via SSH, and the traffic appears to originate from automated bots. What course of action would cut down on the attacks but preserve SSH access for the administrators?

- ☐ Use RDP instead on port 3389
- ☐ Close port 22
- ☒ Change the SSH port number from its default 22 to a different port number
- ☐ Increase SSH password complexity

Correct!

**Question 3**

1 / 1 pts

What does it mean to be "behind a double-NAT"? Select all that apply.

- ☐ The IP address is altered by NAT once before it reaches the internet
- ☐ The router is behind two routers before it reaches the internet
- ☒ The IP address is altered by NAT twice before it reaches the internet
- ☒ The router is behind another router before it reaches the internet

Correct!

Correct!

**Question 4**

1 / 1 pts

What ports have NOT been scanned by Nmap? Select all that apply.

```
```bash
```

```
$ nmap -p1-100 10.0.2.8
```

```
Starting Nmap 7.91 ( https://nmap.org ) at 2021-02-23 18:17 PST
```

```
Nmap scan report for 10.0.2.8
```

```
Host is up (0.00057s latency).
```

```
Not shown: 98 filtered ports
```

```
PORT      STATE SERVICE
```

```
53/tcp    open  domain
```

```
80/tcp    open  http
```

```
Nmap done: 1 IP address (1 host up) scanned in 1.82 seconds
```

```
...
```

Correct!

Correct!

☐ 22☒ 3389☒ 443☐ 88

## Question 5

1 / 1 pts

The WAN port on a network appliance is an example of a(n) \_\_\_\_.

Correct!

☒ Interface☐ Trunk☐ Data transfer module☐ Access point

## Question 6

1 / 1 pts

Python method walk() generates the file names in a directory tree by “walking” the tree. The script below attempts to perform a top-to-bottom traversal of the directory tree, but it’s incorrectly written. What changes should be made to improve this script? Select all that apply.

```
```python
```

```
for root, dirs, files in os.walk(".", topdown=False):
```

```
    for name in files:
```

```
        print(os.path.join(root, name))
```

```
    for name in dirs:
```

```
        print(os.path.join(root, name))
```

```
```
```

Correct!

☒ Change the “topdown” setting from False to True☐ Add followlinks=True

Correct!

☒ Import the OS library for Python to use

Correct!

☒ Add !usr/bin/python to the top of the script

**Question 7**

1 / 1 pts

You've configured two WAN interfaces such that if one goes down, the other takes over to provide uninterrupted service to the network. This is an example of \_\_\_\_\_.

- ☐ Cluster
- ☐ Load balancing
- ☐ Switching
- ☒ Automatic Failover

Correct!

**Question 8**

1 / 1 pts

What type of NAT is used at the edge of a home network?

- ☒ One-to-many
- ☐ NAT traversal
- ☐ Double NAT
- ☐ One-to-one

Correct!

**Question 9**

1 / 1 pts

Your company is in the process of improving its authentication practices, and you've noticed most employees use quite a few cloud services including Slack, AWS, and Workday. Which of the following commercial solutions would facilitate cloud SSO?

- ☒ Okta
- ☐ Cisco SD-WAN
- ☐ Guardicore
- ☐ AWS EC2

Correct!

**Question 10**

1 / 1 pts

While setting up a network adapter to sniff mirrored traffic from a span port, you notice it is not capturing all the desired traffic. What would be the best next step to try and capture all the network traffic?

- ☐ Check your software firewall
- ☐ Check your OS is updated

**Correct!**

- ☒ Check that promiscuous mode is enabled
- ☐ Check that port forwarding is configured correctly

Quiz Score: **10** out of 10