# PCCET<sup>Q&As</sup>

Palo Alto Networks Certified Cybersecurity Entry-level Technician

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**QUESTION 1**

How does DevSecOps improve the Continuous Integration/Continuous Deployment (CI/CD) pipeline?

A. DevSecOps improves pipeline security by assigning the security team as the lead team for continuous deployment

B. DevSecOps ensures the pipeline has horizontal intersections for application code deployment

C. DevSecOps unites the Security team with the Development and Operations teams to integrate security into the CI/CD pipeline

D. DevSecOps does security checking after the application code has been processed through the CI/CD pipeline

Correct Answer: C

DevSecOps takes the concept behind DevOps that developers and IT teams should work together closely, instead of separately, throughout software delivery and extends it to include security and integrate automated checks into the full CI/ CD pipeline. The integration of the CI/CD pipeline takes care of the problem of security seeming like an outside force and instead allows developers to maintain their usual speed without compromising data security

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**QUESTION 2**

In which situation would a dynamic routing protocol be the quickest way to configure routes on a router?

A. the network is large

B. the network is small

C. the network has low bandwidth requirements

D. the network needs backup routes

Correct Answer: A

A static routing protocol requires that routes be created and updated manually on a router or other network device. If a static route is down, traffic can\\'t be automatically rerouted unless an alternate route has been configured. Also, if the route is congested, traffic can\\'t be automatically rerouted over the less congested alternate route. Static routing is practical only in very small networks or for very limited, special-case routing scenarios (for example, a destination that\\'s used as a backup route or is reachable only via a single router). However, static routing has low bandwidth requirements (routing information isn\\'t broadcast across the network) and some built-in security (users can route only to destinations that are specified in statically defined routes).

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**QUESTION 3**

In which two cloud computing service models are the vendors responsible for vulnerability and patch management of the underlying operating system? (Choose two.)

A. SaaS

B. PaaS

C. On-premises

D. IaaS

Correct Answer: AB

**QUESTION 4**

Which TCP/IP sub-protocol operates at the Layer7 of the OSI model?

A. UDP

B. MAC

C. SNMP

D. NFS

Correct Answer: C

Application (Layer 7 or L7): This layer identifies and establishes availability of communication partners, determines resource availability, and synchronizes communication. Presentation (Layer 6 or L6): This layer provides coding and conversion functions (such as data representation, character conversion, data compression, and data encryption) to ensure that data sent from the Application layer of one system is compatible with the Application layer of the receiving system. Session (Layer 5 or L5): This layer manages communication sessions (service requests and service responses) between networked systems, including connection establishment, data transfer, and connection release. Transport (Layer 4 or L4): This layer provides transparent, reliable data transport and end-to-end transmission control.

**QUESTION 5**

An Administrator wants to maximize the use of a network address. The network is 192.168.6.0/24 and there are three subnets that need to be created that can not overlap. Which subnet would you use for the network with 120 hosts?

Requirements for the three subnets:

Subnet 1: 3 host addresses

Subnet 2: 25 host addresses

Subnet 3: 120 host addresses

A. 192.168.6.168/30

B. 192.168.6.0/25

C. 192.168.6.160/29

D. 192.168.6.128/27

Correct Answer: B