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**Exam : 200-310**

**Title : Designing forCisco  
Internetwork Solutions**

**Version : DEMO**

1.You want to gather as much detail as possible during a network audit, to include data time stamping across a large number of interfaces, customized according to interface, with a minimal impact on the network devices themselves.

Which tool would you use to meet these requirements?

- A. RMON
- B. SNMPv3
- C. NetFlow
- D. Cisco Discovery Protocol

**Answer: C**

**Explanation:**

NetFlow provides extremely granular and accurate traffic measurements and a high-level collection of aggregated traffic. The output of netflow information is displayed via the show ip cache flow command on routers. The Table shows a description of the fields for NetFlow output. Table. Netflow Output escription

| Field           | Description  |
|-----------------|--|
| Bytes           | Number of bytes of memory that are used by the NetFlow cache                       |
| Active          | Number of active flows   |
| Inactive        | Number of flow buffers that are allocated in the Netflow cache                     |
| Added           | Number of flows that have been created since the start of the summary              |
| Exporting flows | IP address and UDP port number of the workstation to which flows are exported      |
| Flows exported  | Total number of flows export and the total number of UDP datagrams                 |
| Protocol        | IP protocol and well-known port number   |
| Total Flows     | Number of flows for this protocol since the last time that statistics were cleared |
| Flows/sec       | Average number of flows this protocol per second                                   |
| Packets/flow    | Average number of packets per flow per second                                      |
| Bytes/pkt       | Average number of bytes for this protocol  |
| Packets/sec     | Average number of packets for this protocol per second                             |

2.You want to gather as much detail as possible during a network audit with a minimal impact on the network devices themselves.

Which tool would you use to include data time stamping across a large number of interfaces while being customized according to each interface?

- A. RMON
- B. SNMPv3
- C. NetFlow
- D. Cisco Discovery Protocol

**Answer: C**

3.In which phase of PPDIIO are the network requirements identified?

- A. Design

- B. Plan
- C. Prepare
- D. Implement
- E. Operate
- F. Optimize

**Answer: B**

**Explanation:**

| PPDIOO Phase | Description   |
|--------------|---|
| Prepare      | Establishes organization and business requirements, develops a network strategy, and proposes a high-level architecture |
| Plan         | Identifies the network requirements by characterizing and assessing the network, performing a gap analysis              |
| Design       | Provides high availability, reliability, security, scalability, and performance   |
| Implement    | Installation and configuration of new equipment   |
| Operate      | Day-to-day network operations   |
| Optimize     | Proactive network management; modifications to the design   |

**Plan Phase**

The Plan phase identifies the network requirements based on goals, facilities, and user needs. This phase characterizes sites and assesses the network, performs a gap analysis against best-practice architectures, and looks at the operational environment. A project plan is developed to manage the tasks, responsible parties, milestones, and resources to do the design and implementation. The project plan aligns with the scope, cost, and resource parameters established with the original business requirements. This project plan is followed (and updated) during all phases of the cycle.

4.Which is part of the Prepare phase of PPDIOO?

- A. Obtain site contact information
- B. Perform network audit
- C. Identify customer requirements
- D. Perform gap analysis

**Answer: C**

**Explanation:**

| PPDIOO Phase | Description   |
|--------------|---|
| Prepare      | Establishes organization and business requirements, develops a network strategy, and proposes a high-level architecture |
| Plan         | Identifies the network requirements by characterizing and assessing the network, performing a gap analysis              |
| Design       | Provides high availability, reliability, security, scalability, and performance   |
| Implement    | Installation and configuration of new equipment   |
| Operate      | Day-to-day network operations   |
| Optimize     | Proactive network management; modifications to the design   |

Prepare Phase

The Prepare phase establishes organization and business requirements, develops a network strategy, and proposes a high-level conceptual architecture to support the strategy. Technologies that support the architecture are identified. This phase creates a business case to establish a financial justification for a network strategy.

5. When designing the identity and access control portions for the enterprise campus network, which of these solutions would be the most appropriate solution to consider?

- A. 802.1X
- B. ACLs in the core layer
- C. Cisco Security MARS
- D. NetFlow

**Answer:** A

**Explanation:**

| Field           | Description  |
|-----------------|--|
| Bytes           | Number of bytes of memory that are used by the NetFlow cache                       |
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| Packets/flow    | Average number of packets per flow per second                                      |
| Bytes/pkt       | Average number of bytes for this protocol  |
| Packets/sec     | Average number of packets for this protocol per second                             |