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This type deploys a consistent configuration across multiple devices.	Controller-Based Networking
A distributed control plane is needed.	
This type requires a distributed management plane.	Traditional Networking
Southbound APIs are used to apply configurations.	
Northbound APIs interact with end devices.	

**Correct Answer:**

This type deploys a consistent configuration across multiple devices.	Controller-Based Networking
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**QUESTION 151**

What software defined architecture plane assists network devices with making packet-forwarding decisions by providing Layer 2 reachability and Layer 3 routing information?

- A. data plane
- B. control plane
- C. policy plane
- D. management plane

**Correct Answer:** B

**QUESTION 152**

What is the function of a hub-and-spoke WAN topology?

- A. allows access restrictions to be implemented between subscriber sites.
- B. provides direct connections between subscribers
- C. supports Layer 2 VPNs
- D. supports application optimization

**Correct Answer:** B

**QUESTION 153**

What is a difference between local AP mode and FlexConnect AP mode?

- A. Local AP mode creates two CAPWAP tunnels per AP to the WLC
- B. FlexConnect AP mode fails to function if the AP loses connectivity with the WLC
- C. FlexConnect AP mode bridges the traffic from the AP to the WLC when local switching is configured
- D. Local AP mode causes the AP to behave as if it were an autonomous AP

**Correct Answer:** A

**QUESTION 154**

Which technology allows for multiple operating systems to be run on a single host computer?

- A. virtual routing and forwarding
- B. network port ID visualization
- C. virtual device contexts
- D. server virtualization

**Correct Answer:** D

**QUESTION 155**

Refer to the exhibit. Which type of configuration is represented in the output?

```
cisco_ospf_vrf ("R1 default":  
  ensure => 'present',  
  auto_cost => '100',  
)
```

- A. Ansible
- B. JSON
- C. Chef
- D. Puppet

**Correct Answer:** D

**QUESTION 156**

DRAG DROP

Drag and drop the SNMP manager and agent identifier commands from the left onto the functions on the right.

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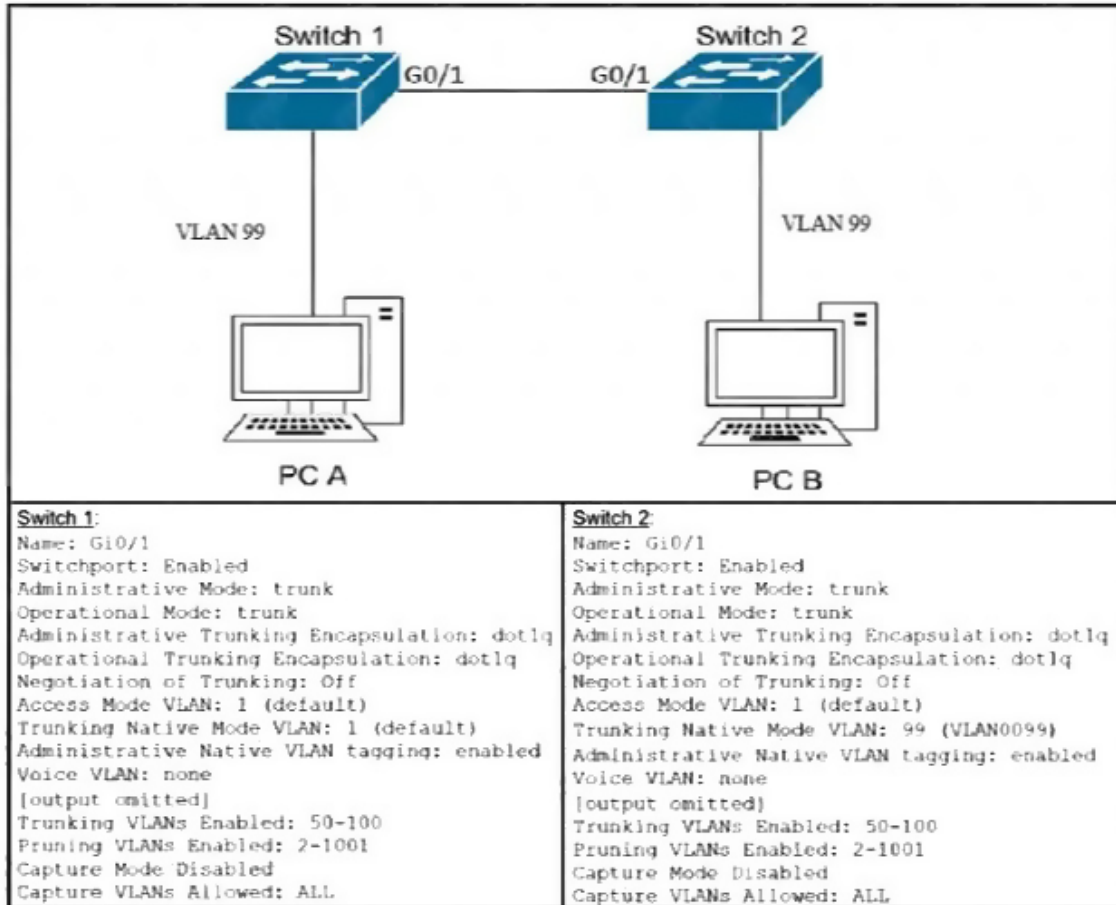
show snmp chassis	displays information about the SNMP recipient
show snmp community	displays the IP address of the remote SNMP device
show snmp engineID	displays the SNMP security model in use
show snmp group	displays the SNMP access string
show snmp host	displays the SNMP server serial number

**Correct Answer:**

show snmp chassis	show snmp host
show snmp community	show snmp engineID
show snmp engineID	show snmp group
show snmp group	show snmp community
show snmp host	show snmp chassis

**QUESTION 157**

Refer to the Exhibit. After the switch configuration the ping test fails between PC A and PC B Based on the output for switch 1. Which error must be corrected?



- A. There is a native VLAN mismatch
- B. Access mode is configured on the switch ports.
- C. The PCs are in the incorrect VLAN
- D. All VLANs are not enabled on the trunk

**Correct Answer: A**

**Explanation:**

From the output we see the native VLAN of Switch1 on Gi0/1 interface is VLAN 1 while that of Switch2 is VLAN 99 so there would be a native VLAN mismatch.

**QUESTION 158**

What describes the operation of virtual machines?

- A. Virtual machines are responsible for managing and allocating host hardware resources
- B. In a virtual machine environment, physical servers must run one operating system at a time.
- C. Virtual machines are the physical hardware that support a virtual environment.
- D. Virtual machines are operating system instances that are decoupled from server hardware

**Correct Answer: B**

**QUESTION 159**

Which device tracks the state of active connections in order to make a decision to forward a packet through?

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- A. wireless access point
- B. firewall
- C. wireless LAN controller
- D. router

**Correct Answer: B**

**Explanation:**

Stateful inspection, also known as dynamic packet filtering, is a firewall technology that monitors the state of active connections and uses this information to determine which network packets to allow through the firewall.

**QUESTION 160**

Which WAN access technology is preferred for a small office / home office architecture?

- A. broadband cable access
- B. frame-relay packet switching
- C. dedicated point-to-point leased line
- D. Integrated Services Digital Network switching.

**Correct Answer: A**

**QUESTION 161**

What occurs when overlapping Wi-Fi channels are implemented?

- A. The wireless network becomes vulnerable to unauthorized access.
- B. Wireless devices are unable to distinguish between different SSIDs
- C. Users experience poor wireless network performance.
- D. Network communications are open to eavesdropping.

**Correct Answer: C**

**QUESTION 162**

DRAG DROP

Drag the IPv6 DNS record types from the left onto the description on the right.

AAAA	aliases one name to another
CNAME	associates the domain serial number with its owner
NS	correlates a domain with its authoritative name servers
PTR	correlates a host name with an IP address
SOA	supports reverse name lookups

**Correct Answer:**