Cisco

Exam 700-702

Cisco Application Centric Infrastructure for System Engineers

Version: 6.4

[Total Questions: 58]

Question No : 1

What is the network design of a Cisco ACI fabric?

A. Hierarchal 3 layer
B. Edge-core-edge
C. Hub and spoke
D. Spine and leaf
E. Point-to-point
F. Distributed ring

Answer: D

Reference: http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-731860.html (Cisco ACI overview)

Question No : 2

Which protocol is used for topology discovery?

A. LCDP
B. CDP
C. LLDP
D. LACP
E. LDAP
F. VxLAN

Answer: C

Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI_Fundamentals_BigBook_chapter_0101.html#concept_A9C1C7BB9E8C4798AAD58CBA472B3BA5 (4th para)

Question No : 3

Which statement describes a bridge domain as it relates to the Cisco ACI?

A. Separates tenants
B. A separate routing instance
C. A container for IP subnets
D. A container for end points

Answer: C

Question No : 4

Which option determines packet forwarding in an Cisco Application Centric Infrastructure fabric?

A. VxLAN
B. VLAN
C. IP subnet
D. Policy model
E. VRF

Answer: A

Question No : 5

What is the recommended minimum number of Cisco Application Policy Infrastructure Controllers in a cluster?

A. 5
B. 4
C. 3
D. 2
E. 1

Answer: C
Reference: http://www.cisco.com/c/en/us/products/collateral/cloud-systems-management/application-policy-infrastructure-controller-apic/datasheet-c78-732414.pdf (page 2, cisco APIC cluster)

Question No : 6

How many VLANs are supported by each Cisco ACI VMM?

A. 16 million
B. 64000
C. 32000
D. 16000
E. 8000
F. 4000
G. 1000
H. 2000

Answer: F

Question No : 7

What is the function of the OpFlex protocol policy repository?

A. Limits device features
B. Stores statistical information
C. Captures and stores the user intent in policy
D. Learning and knowing every device in the network
E. Resolves policy and configures hardware/software

Answer: C
Explanation: The policy repository (PR) is a logically centralized entity containing the definition of all policies governing the behavior of the system. In Cisco ACI, this function is performed by the Cisco APIC or by the leaf nodes of the network fabric. The policy authority handles policy resolution requests from each policy element.

Question No : 8

Routes that are learned from outside the fabric are marked external and redistributed into a routing protocol. Which routing protocol are these routes redistributed into?

A. EIGRP

B. ISIS
C. OSPF
D. MP-BGP

Answer: D

Question No : 9

Which three descriptions of Cisco ACI end point groups are true? (Choose three.)

A. enables VM mobility between VMMs
B. can contain multiple virtual machines
C. can contain only one virtual machine
D. cannot span multiple VMMs
E. can span multiple VMMs
F. can contain physical or bare metal hosts

Answer: A,B,E
Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI_Fundamentals_BigBook_chapter_0111.pdf

Question No : 10

What is an application network profile?

A. Application connectivity requirements
B. Performance required by an application
C. Software definition of a server
D. API
E. Application traffic pattern

Answer: A
Reference: http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-731630.html (ACI Application network profile)

Question No : 11

Which statement about when Cisco ACI is integrated with Microsoft Azure pack is true?

A. The application network profile is created in Windows Systems Center and pushed to the Cisco APIC.
B. The application profile is created in Windows Azure Pack Management Portal and pushed to the Cisco APIC.
C. The application network profile is created in the Cisco APIC and pushed to Windows Azure.
D. The application network profile is created in the Cisco APIC and pushed to Systems Center.

Answer: B

Explanation: http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-732080.html

Question No : 12

Which Cisco ACI element instantiates the policy into hardware?

A. Cisco APIC
B. Spine
C. Leaf
D. Router
E. Controller

Answer: C

Question No : 13

What are the port capabilities of the Cisco Nexus 9564TX line card?

A. 96 1/1OG SFP+ ports and 8 QSFP+ ports
B. 96 1/10G-T ports and 8 QSFP+ ports

C. 36 40G QSFP + ports
D. 48 1/10G-T ports and 4 QSFP+ ports
E. 48 1/1 OG SFP+ ports and 4 QSFP+ ports

Answer: D
Reference: http://www.cisco.com/c/en/us/products/collateral/switches/nexus-9000-series-switches/white-paper-c11-729987.html (see the para below figure 9)

Question No : 14

Which customer requirement is supported by the Cisco Application Centric Infrastructure?

A. Storage area networking
B. Cisco Data Center Interconnect
C. Environments with both virtual and physical workloads
D. ACI licensing charge per virtual machine
E. OpenFlow

Answer: C

Question No : 15

What is the function of the OpRex protocol endpoint registry?

A. Resolves policy and configures hardware/software
B. Learns and knows every device in the network
C. Captures and stores the user intent in policy
D. Stores statistical information
E. Limits device features

Answer: B

Question No : 16

What is the function of the OpFlex protocol policy element?

A. Stores statistical information
B. Learns and knows every device in the network
C. Resolves policy and configures network hardware/software
D. Captures and stores the user intent in policy
E. Limits device features

Answer: C

Reference: http://blogs.cisco.com/tag/opflex/

Policy Repository

The policy repository (PR) is a logically centralized entity containing the definition of all policies governing the behavior of the system. In Cisco ACI, this function is performed by the Cisco APIC or by the leaf nodes of the network fabric. The policy authority handles policy resolution requests from each policy element.

Policy Element (Policy Agent)

A policy element (PE) is a logical abstraction for a physical or virtual device that implements and enforces policy. This is where the Policy Agent describe in detail herein resides. Policy elements are responsible for requesting portions of the policy from the policy authority as new endpoints connect, disconnect, or change. Additionally, policy elements are responsible for rendering that policy from an abstract form into a concrete form that maps to their internal capabilities. This process is a local operation and can function differently on each device as long as the semantics of the policy are honored.

Endpoint Registry

The endpoint registry (ER) stores the current operation state (identity, location, etc.) of each endpoint (EP) in the system. The endpoint registry receives information about each endpoint from the local policy element and then can share it with other policy elements in the system. The endpoint registry may be physically co-located with the policy authority, but it may also be distributed in the network fabric itself. In Cisco's ACI solution, the endpoint registry actually lives in a distributed database within the network itself to provide additional performance and resiliency.

Question No : 17

With which option can the Cisco Application Policy Infrastructure Controller be configured?

A. With the Cisco UCS Manager GUI
B. With a service level agreement
C. With the Cisco UCS Central interface

D. With the application programming interface
E. With the CLI

Answer: E

Question No : 18

Which option describes the Cisco ACI end point group?

A. A collection of users that require the same policy
B. A collection of switches that require the same policy
C. A collection of business goals that require the same policy
D. A collection of hosts/devices that require the same policy
E. A collection of routers interfaces that require the same policy

Answer: D
Reference: http://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-fabric/white-paper-c11-730021.html (see Endpoint groups: building blocks of policy and automation, first sentence)

Question No : 19

Which three statements about a controller based on imperative control are true? (Choose three.)

A. User intent is captured and implemented.
B. It uses abstract policies rather than a device-specific configuration.
C. Knowledge of infrastructure device specific commands is needed to deploy applications.
D. Set of device features is broad because scale is not an issue.
E. Device features are limited.
F. No knowledge of infrastructure device specific commands is needed to deploy applications.
G. User intent is difficult to capture and implement.

Answer: C,E,G

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