

Cisco.500-202.v2019-01-22.q50

Exam Code:	500-202
Exam Name:	Implementing Cisco Service Provider Mobile Unlicensed Small Cell Solutions
Certification Provider:	Cisco
Free Question Number:	50
Version:	v2019-01-22
# of views:	690
# of Questions views:	10988
https://www.freecram.net/torrent/Cisco.500-202.v2019-01-22.q50.html	

NEW QUESTION: 1

Cisco intelligent access points provide four features that can be used to enhance the user experience.

Which three features are available on Cisco intelligent access points? (Choose three.)

- A. Cisco ClientLink
- B. Cisco VoiceProtect
- C. Cisco BandSelect
- D. Cisco CleanAir
- E. Cisco DataSecure
- F. Cisco Streaming Video

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

Which option is a benefit of using Link Aggregation?

- A. If a link in a LAG fails, the controller switches traffic for that link over to the remaining link(s) in less than a second.
- B. Wired Ethernet frames can be fragmented and those fragments are sent simultaneously over multiple Ethernet links between the controller and the Ethernet switch, which provides the same improvement in data rate as 802.11n spatial streams provide for wireless traffic.
- C. The controller participates in trunk negotiation using LACP or the PaGP trunk negotiation protocol with the Ethernet switch on its links.
- D. A LAG allows the controller to be directly connected to other controllers, which eliminates the need for Ethernet switches.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

Which three management applications have been integrated into Cisco Prime Infrastructure? (Choose three.)

- A. Cisco Prime Network Control System
- B. Cisco Prime Assurance Manager
- C. Cisco Prime Access Registrar
- D. Cisco Prime LAN Management Solutions
- E. Cisco Quantum Policy Suite
- F. Cisco Prime Network Registrar

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

In the planning process of a typical mobile service provider, which activity is considered a core planning function?

- A. rollout
- B. nominal desktop design
- C. site acquisition
- D. optimization

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 5

Which interface, as defined by the 3GPP standards, is used for policy control between the Policy and Charging Rules Function and the Policy and Charging Enforcement Function of the Cisco PGW?

- A. DIAMETER Rf
- B. DIAMETER Gy
- C. DIAMETER Gx
- D. RADIUS CoA

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 6

Which protocol is the IEEE standard protocol for VLAN trunking?

- A. 802.1q
- B. 802.3
- C. 802.1d
- D. 802.1x

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 7

Which network element sends RADIUS accounting records in a PMIPv6-based architecture?

- A. WLC
- B. client
- C. MAG
- D. LMA

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 8

Which tunneling option is appropriate for integration with a 3G GSM mobile packet core?

- A. GPRS Tunneling Protocol Prime (GTP')
- B. GPRS Tunneling Protocol v2 (GTPv2)
- C. Control and Provisioning of Wireless Access Points (CAPWAP)
- D. Ethernet over GRE Tunneling (EoGRE)
- E. Proxy Mobile IPv6 (PMIPv6)
- F. GPRS Tunneling Protocol (GTPv1)

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 9

In the context of Cisco Service Provider Wi-Fi, what does the acronym MSAP stand for?

- A. Mobile Subscriber Awareness Protocol, which allows the Cisco ASR 9000 Series router to identify 3G/4G network subscribers' sessions and to apply policies to that traffic.
- B. Multi-Station Access Protocol, which allows a single subscriber session to support multiple end-user devices simultaneously.
- C. Mobility Services Advertisement Protocol, which allows clients to query for local services before authenticating to a Wi-Fi network.
- D. Managed Security Association Protocol, which allows clients to maintain their authenticated sessions even while roaming on a Wi-Fi network.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

Which two statements about mobility groups are true? (Choose two.)

- A. All controllers in a mobility group must be within the same Layer 2 domain.
- B. Clients can roam between controllers that are attached to the same VLANs, and maintain their IP address.
- C. Clients can roam between controllers that are attached to different VLANs, and maintain their IP address.
- D. Each mobility group is limited to six controllers.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

Which option does EAP-SIM authentication require?

- A. the AAA server that can communicate the mobile network HLR
- B. the latest Cisco WLC software (Previous software versions only supported PEAP MS-CHAPv2.)
- C. the AAA server that can communicate with Microsoft Active Directory
- D. the handset with a micro-SIM

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

Which two benefits are provided by Application Visibility and Control on the wireless controller? (Choose two.)

- A. User billing can be based on the applications that they are using on the network.
- B. Costly link usage can be managed and infrastructure upgrades can be delayed or avoided altogether.
- C. The network provider can now offer parental control services to subscribers.
- D. Real-time analysis can be performed and policies can be applied to certain types of traffic to reduce network congestion.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 13

Which IEEE 802.11 standard allows the endpoint of a subscriber to dynamically locate and connect to a wireless network that belongs to their service provider or a roaming partner?

- A. IEEE 802.11v - "Wireless Network Management"
- B. IEEE 802.11r - "Fast Basic Service Set (BSS) Transition"
- C. IEEE 802.11k - "Radio Resource Management"
- D. IEEE 802.11u - "Interworking with External Networks"

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

Which two options are the two core functional entities in the PMIPv6 architecture? (Choose two.)

- A. MAG
- B. Cisco eWAG
- C. IPv4-to-IPv6 translation bridge
- D. Local Mobility Anchor
- E. home agent

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 15

In an architecture without an ISG, what is the policy control and enforcement function?

- A. Cisco SGSN
- B. the wireless LAN controller
- C. Cisco GGSN

D. Cisco eWAG

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 16

Select and Place:

Drag the Cisco Service Provider Wi-Fi solution on the left to the correct deployment model on the right.

Enhanced Wireless Gateway (eWAG)	
Intelligent Services Gateway (ISG)	
Proxy Mobile IPv6 (PMIPv6)	

Answer:

Drag the Cisco Service Provider Wi-Fi solution on the left to the correct deployment model on the right.

Enhanced Wireless Gateway (eWAG)	Intelligent
Intelligent Services Gateway (ISG)	Enhanced V
Proxy Mobile IPv6 (PMIPv6)	Proxy I

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NEW QUESTION: 17

In a metro Wi-Fi design and deployment project, which task is expected to require the most hours of work?

- A. deployment planning
- B. design review
- C. physical installation
- D. readiness workshop

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 18

Which two options are ways that a service provider should use analytics to monetize their Cisco Service Provider Wi-Fi networks? (Choose two.)

- A. offering a usage-based Internet subscription service
- B. selling location-based advertising
- C. gathering and analyzing information about subscriber behavior and selling that information to businesses
- D. providing Over-The-Top Internet services

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

How does 802.11r or fast BSS transition reduce the amount of time required for a client to roam?

- A. by adding hand-off communications between the APs, which means that the old AP notifies the new AP when the client is about to roam
- B. by reducing the amount of authentication messaging between a client and a new AP, which means that the client does not need to renegotiate keys with the new AP
- C. by allowing a client to pre-associate to multiple APs, which eliminates the need for the client to associate to a new AP when roaming
- D. by giving a new client priority in the AP scheduling mechanism, which gives a new client a faster response from the new AP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 20

Which deployment option is supported by Cisco Quantum Policy Suite?

- A. Virtual Cloud Services deployment
- B. All-in-One deployment
- C. Four Blades, Four Servers deployment
- D. 3G HLR Co-resident deployment

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 21

In a MAG configuration, from where is the PMIPv6 profile imported?

- A. Online Charging System
- B. Policy and Charging Rules Function
- C. RADIUS AAA server
- D. Local Mobility Anchor

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

Which two statements about Cisco Service Provider Wi-Fi (unlicensed small cell) planning are true?

(Choose two.)

- A. For existing service providers, the unlicensed small cell planning must be done in conjunction with the provider's macro cellular plan.

B. For planning consistency, a single AP antenna model should be identified and used throughout the plan.

C. The unlicensed small cell planning should be integrated with the service provider's existing planning process and tools.

D. The unlicensed small cell sites need to be identified and acquired before any AP placement plan can be started.

Answer: A,C ([LEAVE A REPLY](#))

Explanation/Reference:

NEW QUESTION: 23

When you think about transporting traffic over the backhaul network, consider the overhead that different protocols add to the user traffic. Which two protocols must be considered relative to Cisco Service Provider Wi-Fi backhaul transport overhead? (Choose two.)

A. IPv6

B. PMIPv6

C. CAPWAP

D. CDP

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 24

Which benefit is provided by link aggregation in the Cisco 8500 Series Controller?

A. higher capacity and reliability by using eight 1 GbE ports

B. higher reliability by using two 10 GbE ports

C. higher capacity and reliability by using two 10 GbE ports

D. high reliability by using eight 1 GbE ports

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 25

Which option is a requirement for a client when PMIPv6 is used in the Cisco Service Provider Wi-Fi environment?

A. There are no special requirements for the client.

B. The client must run a dual-stack, that is, have both an IPv4 and an IPv6 address assigned to it.

C. The client must be connected to the MAG through an IPv4-over-IPv6 tunnel.

D. The client must be configured to support IPv6 and be assigned an IPv6 address.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 26

Which three ways can be used to configure a wireless controller? (Choose three.)

A. the AutoInstall process

B. manual configuration via web GUI or CLI

C. automatic provisioning by CNR

- D. configuration push from CPI
- E. the AutoTune feature on an ISG
- F. configuration downloaded from TR69 server

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 27

Which two Cisco Service Provider Wi-Fi components provide a web portal to be used for authentication?

(Choose two.)

- A. Cisco Wireless Controller
- B. Cisco ISG
- C. Cisco Quantum Policy Suite
- D. Cisco eWAG

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

In what way does MAC-TAL authentication improve the user experience?

- A. The services and policies of each user are applied automatically as part of the authentication process, based on the user's MAC address.
- B. When the user first connects to the network, they are redirected to a personalized web portal based on their MAC address.
- C. Layer 2 security mechanisms can be applied separately to each user, based on their MAC address.
- D. If the user is disconnected during a session, they are re-authenticated automatically based on their MAC address.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

Which statement describes what happens upon failover of an ISG that employs stateless high availability for redundancy?

- A. The client traffic flows after a new session has been established.
- B. The client traffic flows immediately through the secondary ISG because a session is already established.
- C. The client traffic flows immediately through the secondary ISG because a session is already established, but RADIUS accounting must restart.
- D. The secondary ISG must query the primary ISG to learn the session parameters before client traffic can flow.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

A primary goal of the Cisco Service Provider Wi-Fi solution is to provide an exceptional user experience.

From the point of view of the service provider, which two factors affect the user experience? (Choose two.)

- A. how services and policies are applied to the user
- B. how the service providers monetize their networks
- C. how the user gains access to the network
- D. how the user traffic is routed to the Internet
- E. the path that the user traffic has to follow to reach the Internet

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

Which option triggers a Cisco eWAG session?

- A. an unknown MAC address
- B. tunnel transport traffic
- C. RADIUS accounting
- D. an unknown IP address

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

Using PMIPv6 and EAP-SIM, where does the client authentication occur?

- A. at the Local Mobility Anchor
- B. at the ISG
- C. at the MAG
- D. at the access point or wireless LAN controller

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

Which capability is allowed when you configure RADIUS CoA on the ISG?

- A. The AAA server can notify the ISG to change the policies assigned to a subscriber (Change of Authorization).

- B.** Based on subscriber policies, the ISG can update the subscriber's authorization settings on the AAA (Change of Authority).
- C.** The ISG can query the AAA for a list of applications (traffic types) that the subscriber is authorized to pass into the network (Control of Applications).
- D.** The ISG does not need to use an encryption key when communicating to the AAA server (Common Authority).

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

Which three Cisco components should be managed by Cisco Prime Infrastructure? (Choose three.)

- A.** Cisco ASR 5000
- B.** Cisco Prime Access Registrar
- C.** Cisco ASR 1000
- D.** Cisco Network Registrar
- E.** Cisco Mobility Services Engines
- F.** Cisco Wireless Controllers and Lightweight Access Points

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 35

Where does the address allocation occur on an PMIPv6 session?

- A.** The MAG provides the address.
- B.** The address comes from a RADIUS authentication request.
- C.** The wireless access network provides the address.
- D.** The LMA provides the IP address.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 36

Using PMIPv6, when is the IP address for the client assigned?

- A.** at the same time as web authentication
- B.** before web authentication
- C.** at least 5 minutes after web authentication
- D.** after web authentication

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 37

Which two methods should you use to verify that PMIPv6 functionality has been properly configured and is operational? (Choose two.)

- A.** Verify that the IPv4 address that is assigned to the client is from the DHCP pool on the LMA.
- B.** Perform an IPv6 ping from a client to the wireless controller.
- C.** Use show commands to verify the PMIPv6 tunnel and bindings on the MAG.

D. Use the PMIPv6 tunnel test command on the Cisco eWAG.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

Which three services are provided by the Cisco Mobility Services Engine? (Choose three.)

- A. Client Fast Roaming Services
- B. PMIPv6 Domain Roaming Coordination
- C. Wireless Intrusion Prevention
- D. Radio Resource Management
- E. Mobile Concierge
- F. ThinkSmart Analytics

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 39

Why is the same client subnet difficult to load balance across ISGs?

- A. The ISG requires symmetrical traffic flows, and standard routing cannot determine the return path for client traffic.
- B. Each subnet is associated with a control policy, and the policy server cannot process policy events from the same policy on different interfaces.
- C. Two separate RADIUS accounting sessions must be established as traffic.
- D. The policy server is unable to identify which ISG the session belongs to.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 40

Two components of an RF plan are coverage and capacity. Which two statements about coverage and capacity are true? (Choose two.)

- A. Coverage is the geographical footprint in which there will be successful calls and/or data transmission.
- B. Capacity is the ability to support a given number of network users at a defined call and/or data rate.
- C. Coverage and capacity go hand in hand; if you plan for one, the other is already provided for.
- D. Every RF design should be based on capacity as the priority; and coverage is a secondary concern.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 41

In a Cisco eWAG configuration, where does the Cisco eWAG get the configuration information to create the session to the Cisco GGSN?

- A. Policy and Charging Rules Function
- B. RADIUS AAA server
- C. Online Charging System

D. wireless LAN controller

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

Which option describes the purpose of the control policies configured on the ISG?

- A. They define when a subscriber session should be created and when it should be terminated.
- B. They define which subscriber sessions can be controlled by the ISG.
- C. They define when and how the other central components of Cisco Service Provider Wi-Fi can be controlled by the ISG.
- D. They define the actions that the ISG takes for the subscriber session in response to specified conditions and events.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

Which Cisco Prime management platform provides DHCP, DNS, and IP address management services?

- A. Cisco Prime Network Registrar
- B. Cisco Prime Infrastructure
- C. Cisco Prime Central
- D. Cisco Prime Access Registrar

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

Which option is a session anchor point for a Cisco eWAG?

- A. Cisco GGSN
- B. Cisco PGW
- C. Cisco SGSN
- D. Cisco SGW

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 45

When you place a MAG on the Cisco WLC, which two pieces of LMA information are critical to creating a PMIPv6 tunnel? (Choose two.)

- A. MAC address of the Cisco WLC
- B. LMA IP address
- C. DHCP option 82 information
- D. NAI

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

Wi-Fi Passpoint is a Wi-Fi Alliance certification program and it is often used synonymously with the name of the technology that the Passpoint program certifies devices as being compliant with. Which technology does Passpoint certification assure compliance with?

- A. Hotspot 2.0
- B. Next-Generation Hotspot
- C. Wi-Fi Protected Access 2
- D. Wi-Fi Protected Access

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 47

When a DHCP pool is created, how is the pool turned into a "dummy" pool?

- A. Create the DHCP pool, but do not configure DHCP option 110.
- B. Disallow pings to verify if addresses are available to be assigned.
- C. Use the no dhcp enable command when the DHCP pool is configured.
- D. Set an exclusion range that contains all of the addresses that the pool would try to assign.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 48

To improve the user experience, Cisco Service Provider Wi-Fi networks should use authentication options that automate user authentication and no longer require the user to enter their credentials manually. Which two authentication methods automate user authentication? (Choose two.)

- A. EAP-FAST
- B. web (portal) login
- C. EAP-SIM
- D. EAP-AKA

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

Which three identifiers can be used as a First Sign of Life to initiate a new user session on the ISG?

(Choose three.)

- A. PMIPv6 session initiation request

- B. CAPWAP tunnel establishment
- C. unclassified source IP address
- D. RADIUS accounting start message
- E. unclassified source MAC address
- F. destination IP address

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

Which two benefits does IEEE 802.11k - "Radio Resource Management" provide to a Wi-Fi network? (Choose two.)

- A. If an AP is not servicing any wireless clients, it can shut itself down until it is put back into service by the wireless controller.
- B. An overloaded AP can direct a client to switch from it to another AP in the network.
- C. A client can look at parameters other than signal strength to determine which AP to associate to.
- D. An AP can cause a dual-band client to prefer the 5 GHz 802.11a/n spectrum over the more-crowded 2.4 GHz 802.11b/g/n spectrum.

Answer: ([SHOW ANSWER](#))

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