

RCNI Latest Guide Files & 2026 RUCKUS Realistic RUCKUS Certified Networking Implementer Latest Guide Files



RCNI Portfolio

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My 2024 RCNI Portfolio

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RUCKUS RCNI Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Foundational Networking Concepts: This section of the exam measures the skills of RUCKUS ICX Network Administrators and covers essential networking concepts. It includes VLAN design and configuration, STP and loop prevention protocols, PoE requirements, basic LAN concepts, Layer 3 routing configurations, and basic QoS concepts. Candidates should be able to demonstrate proficiency in designing VLANs for network segmentation.

Topic 2	<ul style="list-style-type: none"> ICX Solution Troubleshooting: RUCKUS ICX networking Engineers are expected to demonstrate troubleshooting skills in this section. It covers basic networking troubleshooting techniques and procedures for performing ICX switch recovery. Candidates should be able to identify and resolve common network issues in ICX environments.
Topic 3	<ul style="list-style-type: none"> RUCKUS Products & Solutions: RUCKUS ICX networking Engineers are expected to showcase their knowledge of RUCKUS products and solutions in this section. It focuses primarily on the ICX product line, covering various switch models and their capabilities. Candidates should be familiar with the features, specifications, and use cases of different ICX switches.
Topic 4	<ul style="list-style-type: none"> ICX Solution Implementation: This significant portion of the exam assesses the skills of RUCKUS ICX Network Administrators in implementing ICX solutions. It covers ICX software management, stacking capabilities, PoE configuration, Layer 2 3 protocols, and ICX services, IPv4 IPv6 addressing on switch interfaces, ICX switch management methods, and configuring multicast and security features. Candidates should be able to demonstrate proficiency in configuring stacking for scalable network deployments.

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RUCKUS Certified Networking Implementer Sample Questions (Q46-Q51):

NEW QUESTION # 46

Which three conditions allow an ARP request or response to pass a Dynamic ARP Inspection (DAI) check?
(Choose three.)

- A. Request originated on a trusted port.
- B. There is a static reservation for the IP/MAC pair in the DHCP pool.
- C. The IP/MAC pair appear in the DHCP binding database.
- D. Client authenticated using MAC authentication.
- E. Client authenticated using RADIUS on an 802.1X enabled port.
- F. A static ARP entry exists for the IP/MAC pair with the inspection flag set.

Answer: A,C,F

Explanation:

Dynamic ARP Inspection (DAI) is a security feature that intercepts and validates Address Resolution Protocol (ARP) packets in a network. It ensures that only legitimate ARP requests and responses are relayed, preventing ARP spoofing and man-in-the-middle attacks.

Conditions Allowing ARP Packets to Pass DAI Checks:

- * IP/MAC Pair in the DHCP Binding Database:
- * When DHCP snooping is enabled, the switch maintains a binding table of IP-to-MAC address mappings assigned by the DHCP server.
- * DAI uses this database to verify that ARP packets have legitimate IP/MAC address pairs.
- * If the ARP packet's IP/MAC pair matches an entry in the DHCP binding database, it passes the DAI check.
- * Static ARP Entry with Inspection Flag Set:
- * Administrators can configure static ARP entries for known devices, marking them as trusted for DAI purposes.
- * These entries include the IP/MAC pair and are flagged to bypass DAI checks.
- * An ARP packet matching a static entry with the inspection flag set will pass the DAI check.
- * Request Originated on a Trusted Port:

- * Ports can be designated as trusted, typically those connected to other switches or network devices.
- * DAI does not inspect ARP packets arriving on trusted ports, assuming they are from legitimate sources.
- * Therefore, ARP requests or responses from a trusted port pass the DAI check.

References:

* For more information on configuring DAI and related security features, refer to the RUCKUS FastIron Layer 3 Routing Configuration Guide: Dynamic ARP Inspection overview Implementing DAI with these conditions helps protect the network from ARP-based attacks by ensuring that only validated ARP traffic is permitted.

NEW QUESTION # 47

Based on the following configuration, which statement is true?

```
ICX-Router (config)# ipv6 unicast-routing
ICX-Router (config)# interface ethernet 1/3/1
ICX-Router (config-if-e1000-1/3/1)# ip address 10.172.10.1/24
ICX-Router (config-if-e1000-1/3/1)# ipv6 address 2001:db8:12d:1300::/64
```

- A. The interface will transmit and receive both IPv4 and IPv6 traffic simultaneously.
- B. ICX devices only support dual-stacked IPv4 and IPv6 configuration on a VE interface.
- C. The ipv6 enable command must also be configured at the interface level.
- D. ICX devices do not support IPv4 and IPv6 addresses configured on the same interface.

Answer: A

NEW QUESTION # 48

Which two Power over Ethernet (PoE) features on the ICX will be enabled by the inline power poe-ha command? (Choose two.)

- A. Perpetual PoE
- B. power priority
- C. PoE Overdrive
- D. power limit
- E. Fast Boot

Answer: A,E

Explanation:

The inline power poe-ha command on RUCKUS ICX switches enables two key Power over Ethernet (PoE) features:

* Fast Boot PoE: This feature ensures that PoE power is delivered to connected devices immediately upon switch startup, without waiting for the entire system to boot up. This is crucial for devices that need to be operational as soon as possible, such as IP phones or security cameras. To enable Fast Boot PoE, enter interface configuration mode and execute the command:

inline power poe-ha

This command ensures that PoE is delivered promptly during the boot process.

* Perpetual PoE: This feature maintains PoE power to connected devices even when the switch undergoes a soft reboot or firmware upgrade. It ensures uninterrupted power delivery, preventing devices from losing power during such events. To enable Perpetual PoE, use the same command in interface configuration mode:

By configuring this command, the switch provides continuous PoE power during reboots.

For more detailed information on these features and their configuration, refer to the RUCKUS Community Forum post titled "Things to consider about PoE at a glance, when deploying." Ruckus Wireless Community

NEW QUESTION # 49

Which three factors must be considered when ordering a replacement power supply for an ICX7650? (Choose three.)

- A. airflow direction
- B. hotswap vs non-hotswap
- C. 110 vs 220 volt
- D. DC vs AC power
- E. active vs passive cooling
- F. PoE vs non-PoE

Answer: C,D,F

NEW QUESTION # 50

Which command must be configured at the interface level to honor Differentiated Services Code Point (DSCP)-based Class of Service (CoS) on a ICX7750?

- A. ip dscp-remark 1
- B. **trust dscp**
- C. qos profile
- D. qos-tos map dscp-priority

Answer: B

NEW QUESTION # 51

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