

MikroTik.MTCNA.v2023-08-25.q74

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NEW QUESTION: 1

What is marked by connection-state=established matcher?

- A. Packet does not correspond to any known connection
- B. Packet is related to, but not part of an existing connection
- C. Packet belongs to an existing connection, for example a reply packet or a packet which belongs to already replied connection
- D. Packet begins a new TCP connection

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

What protocol is used for Ping and Trace route?

- A. UDP - trace route
- B. IP
- C. TCP
- D. ICMP - ping
- E. DHCP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

If 'check-gateway' is enabled for an ECMP route and one of the gateways is unreachable, then:

- A. The unreachable gateway is not going be used in Round Robin algorithm.
- B. The ECMP route becomes inactive.
- C. ECMP is going to send packets to all gateways even if one is unreachable.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

Which of the following protocols / ports are used for SNMP. (Simple Network Management Protocol)

- A. TCP 25
- B. TCP 162
- C. UDP 162
- D. TCP 161
- E. TCP 123
- F. UDP 161

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 5

In WinBox when clicking the 'Backup' button in the Files window, the following happens (select all that apply):

- A. Backup file will contain usernames and passwords of the router
- B. Backup file is saved to the computer desktop
- C. Optionally backup name and password can be specified
- D. Backup file is created. Name contains the router identity, the date and time of its creation

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 6

To connect your MikroTik router to a wireless access point, you have to:

- A. Use the same Band (5 GHz, 2.4 GHz, ...)
- B. Use the same Radio Name
- C. Use the same SSID as on accesspoint

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 7

Is it possible to limit how many clients are able to connect to an access point?

- A. No it's not possible at all
- B. Yes
- C. Yes, but only with access-lists

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 8

Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?

- A. No
- B. Yes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 9

How many wireless clients can connect, when wireless card is configured to mode=bridge?

- A. 2007
- B. 1
- C. 100
- D. 2

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

What protocols are used to configure trunking on a switch?

- VLAN Trunking Protocol
- VLAN
- 802.1Q
- ISL

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- A. 1 only
- B. 3 and 4
- C. 2 only
- D. 1 and 2

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

NEW QUESTION: 11

Which protocol does Ping use?

- A. TCP
- B. BootP
- C. ARP
- D. ICMP

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

NEW QUESTION: 12

Which of the following Routes statuses are possible?

- A. A = Active
- B. S = Static
- C. D = Drop
- D. C = Connected

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 13

If your router is facilitating a CSU/DSU, which of the following commands do you need to use to provide the router with a 64000bps serial link?

- A. RouterA(config-if)#clock rate 64
- B. RouterA(config-if)#bandwidth 64000
- C. RouterA(config)#bandwidth 64
- D. RouterA(config-if)#clock rate 64000

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

If you use either Telnet or FTP, which is the highest layer you are using to transmit data?

- A. Application
- B. Session
- C. Presentation
- D. Transport

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 15

Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?

- A. 2048
- B. 1024
- C. 2012
- D. 2007

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 16

The correct order for PPPOE discovery stage is

- A. Request, Offer, Initialization and Session confirmation
- B. Request, Initialization, Session confirmation and Offer
- C. Initialization, Offer, Request and Session confirmation
- D. Initialization, Session confirmation, Request and Offer

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

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NEW QUESTION: 17

Which of the following is used in standard 802.11 wireless networks?

- A. CSMA/CD
- B. CDMA
- C. FDD

D. CSMA/CA

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 18

Mark the queue types that are available in RouterOS

- A. LIFO - Last In First Out
- B. RED - Random Early Detect (or Drop)
- C. FIFO - First In First Out (for Bytes or for Packets)
- D. SFQ - Stochastic Fairness Queuing
- E. PCQ - Per Connection Queuing
- F. DRR - Deficit Round Robin

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

In which situations Netinstall can not be used to install RouterOS on a RouterBOARD?

- A. The router does not have an operating system
- B. The router is connected only to a wireless network
- C. The password of the router is not known
- D. The router is connected only to a secondary Ethernet port

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 20

One host on an internal network is accessing an external web page through a MikroTik router that is doing source NAT. Select correct statement about the packets that flow from that web page to the host ?

- A. Packets go through the input chain before the routing decision and after that through output chain
- B. Packets go through the forward chain
- C. Packets go through the input chain
- D. Packets go through the output chain

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 21

A DHCP server is configured on a LAN interface which is a port on a bridge. The DHCP server does not start.

What could be the reason(s)?

- A. The IP address pool could be incorrectly defined
- B. There might not be an IP address assigned to the LAN Interface
- C. There may be multiple IP addresses set on the LAN interface
- D. The DHCP server can not run on an interface which is also a bridge port

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

A network ready device is directly connected to a MikroTik RouterBOARD 750 with a correct U.T.P. RJ45 functioning cable. The device is configured with an IPv4 address of 192.168.100.70 using a subnet mask of 255.255.255.252. What will be a valid IPv4 address for the RouterBOARD 750 for a successful connection to the device?

- A. 192.168.100.71/255.255.255.252
- B. 192.168.100.70/255.255.255.252
- C. 192.168.100.69/255.255.255.252
- D. 192.168.100.68/255.255.255.252

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 23

Which of the following is NOT a valid MAC Address?

- A. 95:B5:DD:EE:78:8A
- B. 80:GF:AA:67:13:5D
- C. 13:16:86:53:89:43
- D. EA:BA:AA:EE:FF:CB
- E. 88:0C:00:99:5F:EF

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24

Where can you monitor (see addresses and ports) real-time connections which are processed by the router?

- A. Firewall Connection Tracking
- B. Firewall Counters
- C. Queue Tree
- D. Tool Torch

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

In a network with dozens of switches, how many root bridges would you have?

- A. 12
- B. 1
- C. 5
- D. 2

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 26

Which of the following are layers in the TCP/IP model?

Application
Session
Transport
Internet
Data Link
Physical

- A. 3, 4 and 5
- B. 1 and 2
- C. 1, 3 and 4
- D. 2, 3 and 5

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

NEW QUESTION: 27

Which of the following services use UDP?

DHCP
SMTP
SNMP
FTP
HTTP
TFTP

- A. 1, 2 and 4
- B. 1, 3 and 6
- C. All of the above
- D. 2 and 4

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

In MikroTik RouterOS, Layer3 communication between 2 hosts can be achieved by using an address subnet of:

- A. /29
- B. /31
- C. /32
- D. /30

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

Netinstall can be used to

- A. Keep configuration, but reset a lost admin password
- B. Install different software version (upgrade or downgrade)
- C. Reinstall software without losing licence
- D. Install package for different hardware architecture

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

Consider the following network diagram. In R1, you have the following configuration:

```
/ip route
add dst-address=192.168.1.0/24 gateway=192.168.99.2
/ip firewall nat
add chain=srcnat out-interface=Ether1 action=masquerade
```

On R2, if you wish to prevent all access to a server located at 192.168.1.10 from LAN1 devices, which of the following rules would be needed?

- A. /ip firewall filter add chain=input srcaddress=192.168.99.1 dst-address=192.168.1.10 action=drop
- B. /ip firewall filter add chain=forward srcaddress=192.168.0.0/24 dst-address=192.168.1.10 action=drop
- C. /ip firewall filter add chain=forward srcaddress=192.168.99.1 dst-address=192.168.1.10 action=drop
- D. /ip firewall nat add chain=dstnat srcaddress=192.168.99.1 dst-address=192.168.1.10 action=drop

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

Select all tunnels that support authentication of clients with a username and password.

- A. EoIP
- B. OpenVPN
- C. IPIP
- D. PPTP/L2TP
- E. PPPoE

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

MikroTik RouterOS commands can be run once a day by:

- A. /system watchdog
- B. /system cron

C. /system scheduler

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

Why is it useful to set a Radio Name on the radio interface?

- A. To identify a station in a list of connected clients
- B. To identify a station in the Access List:
- C. To identify a station in Neighbor discovery

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)

- A. LAN address of the webserver should be routable on the internet
- B. Connection Tracking must be enabled on NAT router
- C. in ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver
- D. A route between the NAT Router and the webserver must exist
- E. Public IP address of the webserver must be installed on the NAT Router

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 35

Which firewall chain should you use to filter ICMP packets from the router itself?

- A. input
- B. output
- C. forward
- D. postrouting

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 36

Which class of IP address provides a maximum of only 254 host addresses per network ID?

- A. Class D
- B. Class C
- C. Class A
- D. Class B

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

NEW QUESTION: 37

How many usable IP addresses are there in a 20-bit subnet?

- A. 4096

- B. 2048
- C. 2046
- D. 4094
- E. 2047

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

If you wish to block user access to MSN messenger, which chain should the firewall rule be placed in?

- A. forward
- B. process
- C. output
- D. input

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 39

A client that has successfully connected to a wireless network is considered to be which of the following?

Choose all that apply :

- A. Unauthenticated
- B. Authenticated
- C. Associated
- D. Unassociated

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 40

Which computers would be able to communicate directly (without any routers involved):

- A. 10.10.0.17/22 and 10.10.1.30/23
- B. 192.168.17.15/29 and 192.168.17.20/28
- C. 192.168.0.5/26 and 192.168.0.100
- D. 10.5.5.1/24 and 10.5.5.100/25

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 41

MikroTik RouterOS is sending logs to an external syslog server. Which protocol and port is used by RouterOS for sending logs (by default)?

- A. UDP 21
- B. TCP 110
- C. UDP 514
- D. UDP 113

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

NEW QUESTION: 42

How many different priorities can be selected for queues in MikroTik RouterOS?

- A. 16
- B. 8
- C. 1
- D. 0

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

What is the main reason the OSI model was created?

- A. So application developers can change only one layer's protocols at a time.
- B. So Cisco could use the model.
- C. So different networks could communicate.
- D. To create a layered model larger than the DoD model.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

Which class of IP address has the most host addresses available by default?

- A. C
- B. A and B
- C. A
- D. B

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 45

The network address is

- A. The first usable address of the subnet
- B. The first address of the subnet
- C. The last address of the subnet

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

What is the correct action for a NAT rule on a router that should intercept SMTP traffic and send it over to a specified mail server?

- A. passthrough
- B. dst-nat
- C. redirect
- D. tarpit

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 47

What is the default TTL (time to live) on a router that an IP packet can experience before it will be discarded?

- A. 64
- B. 1
- C. 30
- D. 60

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 48

MAC layer by OSI model is also known as

- A. Layer 7
- B. Layer 3
- C. Layer 2
- D. Layer 6
- E. Layer 1

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

What does the passive command provide to dynamic routing protocols?

- A. Stops the router from receiving any dynamic updates.
- B. Stops an interface from sending or receiving periodic dynamic updates.
- C. Stops the router from sending any dynamic updates.
- D. Stops an interface from sending periodic dynamic updates but not from receiving updates.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

What is term for the hardware coded address found on an interface?

- A. FQDN Address
- B. Interface Address
- C. MAC Address
- D. IP Address

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 51

How many IP addresses can one find in the header of an IP packet?

- A. 1
- B. 3
- C. 2
- D. 4

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot.

Select the best solution for the problem.

- A. Write a script in '/system script' to set the clock
- B. Open the router and ensure the CMOS battery is fine.
- C. Configure '/system ntp client' and set a valid and reachable NTP server address.
- D. Configure '/system ntp server' and set a valid and reachable NTP client address.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

Which command is used to upgrade an IOS on a Cisco router?

- A. copy tftp flash
- B. copy tftp start
- C. copy tftp run
- D. config net

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

NEW QUESTION: 54

Mark all packages required for PPPoE server on MikroTik RouterOS

- A. user-manager
- B. synchronous
- C. system
- D. ppp
- E. radius

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 55

What letters appear next to a route, which is automatically created by RouterOS when user adds a valid address to an active interface?

- A. D

- B. C
- C. S
- D. I
- E. A

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 56

How long is an IPv6 address?

- A. 32 bits
- B. 128 bytes
- C. 128 bits
- D. 64 bits

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 57

Mark all the features that can be used for limiting client registrations to your access point:

- A. registration-table
- B. wpa
- C. access-list
- D. WDS

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 58

Choose all valid hosts address range for subnet 15.242.55.62/27

- A. 15.242.55.33 15.242.55.63
- B. 15.242.55.32 15.242.55.63
- C. 15.242.55.33 15.242.55.62
- D. 15.242.55.31 15.242.55.62

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

NEW QUESTION: 59

Why is it useful to set a Radio Name on the radio interface?

- A. To identify a station in a list of connected clients
- B. To identify a station in Neighbor discovery
- C. To identify a station in the Access List

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 60

Which of the following are valid IP addresses?

- A. 192.168.256.1
- B. 10.10.14.0

C. 192.168.13.255

D. 1.27.14.254

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 61

Is action=masquerade allowed in chain=dstnat?

A. yes

B. yes, but only if dst-addr is specified

C. yes, but it works only for incoming connections

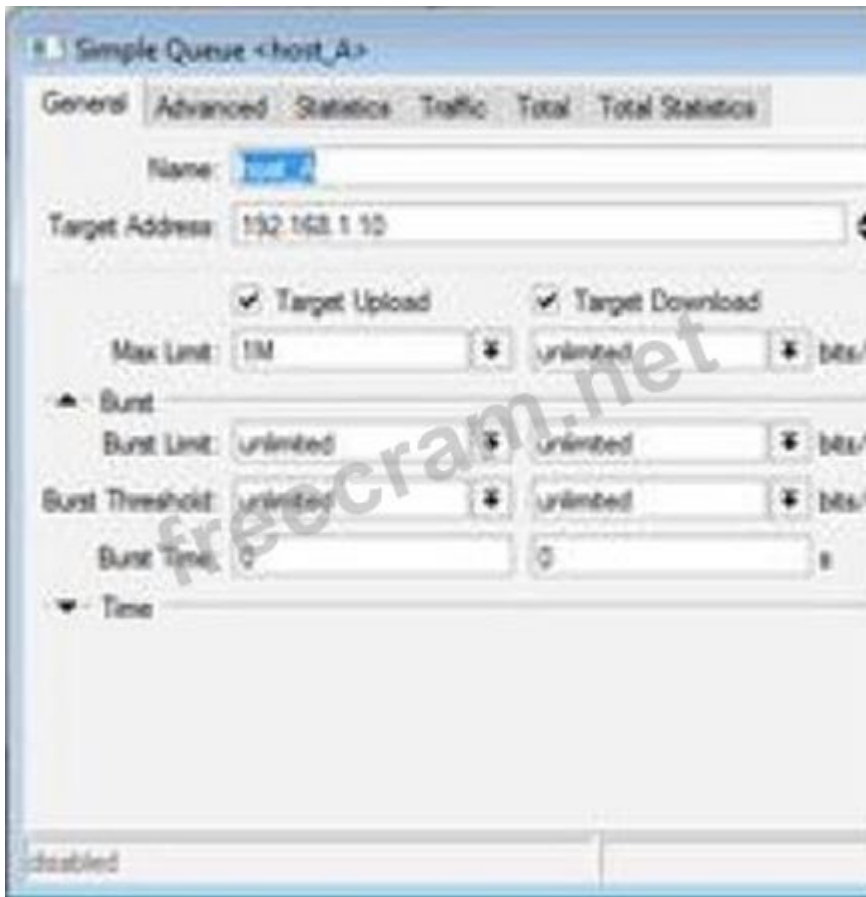
D. no

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 62

What does this simple queue do (check the image)?



- A. Queue guarantees upload data rate of one megabit per second for host 192.168.1.10
- B. Queue guarantees download data rate of one megabit per second for host 192.168.1.10
- C. Queue limits host 192.168.1.10 upload data rate to one megabit per second.
- D. Queue limits host 192.168.1.10 download data rate to one megabit per second.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 63

There are two routes in the routing table:

0 dst-addr=10.1.1.0/24 gateway=5.5.5.5

1 dst-addr=10.1.1.4/30 gateway=5.6.6.6

Which gateway will be used to get to the IP address 10.1.1.6?

- A. 5.6.6.6
- B. 5.5.5.5
- C. both - half of the traffic will be routed through one gateway, half through the other
- D. the required route is not in the routing table

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 64

Which of the protocols below is used by Netinstall?

- A. arp
- B. rarp
- C. dhcp

D. bootp

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 65

RouterOS log messages are stored on disk by default

A. False

B. True

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

What kind of users are listed in the "/user" menu?

A. pptp users

B. wireless users

C. Hot-Spot users

D. router users

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

NEW QUESTION: 67

What is possible with Netinstall?

A. MikroTik RouterOS password reset with saving router's configuration

B. MikroTik RouterOS configuration reset

C. MikroTik RouterOS reinstall

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 68

Which one of the following is true regarding VLANs?

A. VTP is used to send VLAN information to switches in a configured VTP domain.

B. Two VLANs are configured by default on all Cisco switches.

C. VLANs only work if you have a complete Cisco switched internetwork. No off-brand switches are allowed.

D. You should not have more than 10 switches in the same VTP domain.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 69

Which option in the configuration of a wireless card must be disabled to cause the router to permit ONLY known clients listed in the access list to connect?

A. Default Forward

B. Security Profile

C. Enable Access List

D. Default Authenticate

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 70

To use masquerade, you need to specify

- A. action=masquerade, in-interface, chain=src-nat
- B. action=masquerade, out-interface, chain=dst-nat
- C. action=accept, out-interface, chain=src-nat
- D. action=masquerade, out-interface, chain=src-nat

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 71

Which of the following keystrokes enables safe mode in console:

- A. Ctrl+c
- B. Ctrl+d
- C. Ctrl+s
- D. Ctrl+x

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 72

You can not use OSPF and RIP routing protocols simultaneously on the RouterOS.

- A. FALSE
- B. TRUE

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 73

When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:

- A. 3
- B. 2
- C. 1
- D. 4

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 74

/interface wireless access-list is used for

- A. Authenticate Hot-Spot users
- B. Handles a list of Client's MAC Address to permit/deny connection to AP
- C. Shows a list of Client's MAC Address that are already registered at AP
- D. Contains the security profiles settings

Answer: ([SHOW ANSWER](#))

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