

1. For static routing functionality, additionally to the RouterOS system package, you will also need the following software package:

- A. dhcp
- B. routing
- C. advanced-tools
- D. none

2. Is it possible to have PPTP Client and PPTP server on one MikroTik router at the same time?

3. Which software version can be installed onto the following RouterBoard types?

- A. routeros-powerpc-x.xx.npk on a RB333
- B. routeros-mipsbe-x.xx.npk on a RB133
- C. routeros-mipsbe-x.xx.npk on a RB433
- D. routeros-x86-x.xx.npk on a RB1100
- E. routeros-mipsle-x.xx.npk on RB133

4. 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

5. Same IP address can be included in multiple address-lists, and these lists can be used separate from one another.

6. Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.

7. Wireless clients (mode=station) will work properly if bridged to ethernet

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

- A. S
- B. C
- C. D

- D. I
- E. A

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

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

10. export utility allows the possibility to make a backup of:

- A. Almost full router configuration, except MAC Addresses
- B. Almost full router configuration, except RouterOS login passwords
- C. A selective section of your router configuration
- D. Full router configuration

11. PPP Secrets are used for

- A. Router users
- B. IPSec clients
- C. L2TP clients
- D. PPTP clients
- E. PPPoE clients
- F. PPP clients

12. 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 download data rate to one megabit per second.
- D. Queue limits host 192.168.1.10 upload data rate to one megabit per second.

13. Consider the following diagram. We want to communicate from a device on LAN1 to a device on LAN2. Assuming that all necessary configurations are already included on R2, which of the following configurations in R1 would enable this communication?

- A. /ip route add dst-address=0.0.0.0/0 gateway=Ether1
- B. /ip route add dst-address=192.168.1.0/24 gateway=192.168.99.2
- C. /ip route add dst-address=0.0.0.0/0 gateway=192.168.99.2
- D. /ip route add dst-address=192.168.0.0/24 gateway=192.168.0.1
- E. /ip route add dst-address=192.168.1.0/24 src-address=192.168.0.0/24 gateway=192.168.99.2

14. A MikroTik PPPoE Server can be used only within a broadcast domain, that is, users can not run PPPoE protocol if there is a router that splits broadcast domain between the customer and that PPPoE server.

15. It is possible to use the same username for SSH and Winbox connections to the RouterOS

16. 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. Yes
- B. No

17. Connection marks are stored in the connection tracking table.

18. Where can we use NAT rules with action=masquerade[]

- A. chain=input
- B. chain=src-nat
- C. chain=dst-nat
- D. chain=forward

19. The connect-list is used by ROS to determine which access point a card configured in station mode is allowed to connect to.

20. Mark all correct answers

- A. Default-Forwarding could be enabled for a specific clients by wireless access-list
- B. The only way to prevent wireless clients connections - disable wireless interface
- C. Wireless access-list could allow and deny access to your AP
- D. /ip firewall filter allows to deny authentication to AP

21. Mark the correct statements about The RouterBoard RB493

- A. Uses RouterOS mipsle, has 3 minipci slots and 9 Ethernet ports
- B. Uses RouterOS mipsbe, has 3 minipci slots and 9 Ethernet ports
- C. Uses RouterOS mipsle, has 9 minipci slots and 3 Ethernet ports
- D. Uses RouterOS mipsbe, has 9 minipci slots and 3 Ethernet ports

22. You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.

- A. kind=pcq pcq-limit=5000000 pcq-classifier=dst-address
- B. kind=pcq pcq-limit=256000 pcq-classifier=src-address
- C. kind=pcq pcq-limit=5000000 pcq-classifier=src-address
- D. kind=pcq pcq-limit=1256000 pcq-classifier=dst-address

E. kind=pcq pcq-limit=256000 pcq-classifier=dst-address

23. In RouterOS queue configurations the word "total" usually represents

- A. download
- B. upload + download
- C. upload
- D. download - upload

24. Where should you upload new MikroTik RouterOS version packages for upgrading router?

- A. System Package menu
- B. FTP root directory or /files directory of the router
- C. Any directory in /files
- D. System Backup menu

25. Which default route will be active?

/ip route

add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=1.1.1.1

add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=2.2.2.2

- A. Route via gateway 1.1.1.1
- B. Route via gateway 2.2.2.2