




























<p>What letter(s) appears next to route automatically when a user adds a valid address to an active interface?</p> <ul style="list-style-type: none"> - I - A - D - S <p style="text-align: right;"></p>	<p>How many IPs are available in a /24 subnet?</p> <ul style="list-style-type: none"> - 128 - 1 - 255 - 254 <p style="text-align: right;"></p>	<p>What is the default RouterOS firewall rule?</p> <ul style="list-style-type: none"> - Forward - Replace - Accept - Log <p style="text-align: right;"></p>
<p>In this list of connections protocols, which one only allows to upload and download files with Router OS?</p> <ul style="list-style-type: none"> - API, WinBox - WWW, Telnet - FTP - SSH <p style="text-align: right;"></p>	<p>Which is the netmask of the address 192.168.202.37/16?</p> <ul style="list-style-type: none"> - 0.0.0.0 - 255.255.0.0 - 255.0.0.0 - 255.255.255.0 <p style="text-align: right;"></p>	<p>Which is a pro of the PPTP protocol?</p> <ul style="list-style-type: none"> - Faster than OVPN / SSTP - It can avoid firewalls - Client available on all platforms - Open source <p style="text-align: right;"></p>
<p>Which parameters are available in the DHCP server network configuration? (More than one)</p> <ul style="list-style-type: none"> - NTP server - Boot file name - Default gateway - Server DNS, WIN server <p style="text-align: right;"></p>	<p>"The router only responds to ARP requests and does not generate questions for hosts whose MAC address he does not know", which one option is describing?</p> <ul style="list-style-type: none"> - Enabled - Reply-only - Disabled - Proxy arp e local-proxy-arp <p style="text-align: right;"></p>	<p>What package you need to download to get Netwatch and wake-on-LAN function?</p> <ul style="list-style-type: none"> - Security - Advanced-tools - DHCP - Hotspot <p style="text-align: right;"></p>










<p style="text-align: center;">Answer: Accept</p> <p><i>RouterOS accepts by default forward connections</i></p>	<p style="text-align: center;">Answer: 254</p> <p><i>It's 2^8 minus the network and broadcast addresses</i></p>	<p style="text-align: center;">Answer: D A</p> <p><i>It means that it has been added dynamically</i></p>
<p style="text-align: center;">Answer: Client available on all platforms</p> <p><i>PPTP Protocol is widely supported over a huge number of systems</i></p>	<p style="text-align: center;">Answer: 255.255.0.0</p> <p><i>In binary: 11111111.11111111.00000000.00000000</i></p>	<p style="text-align: center;">Answer: FTP</p> <p><i>FTP is a widely used protocol to transfer files. It is also supported by RouterOS</i></p>
<p style="text-align: center;">Answer: Advanced-tools</p> <p><i>RouterOS allows the user to download many packages with different functions inside. In Advanced-Tools you can also find these two</i></p>	<p style="text-align: center;">Answer: Reply-only</p> <p><i>ARP Reply-Only makes a network more secure by replying only to the static entries manually set in the ARP Table</i></p>	<p style="text-align: center;">Answer: NTP server, Default gateway, Boot file name, Server DNS, WIN server</p> <p><i>All of these parameters can be sent to the client</i></p>

<p>Which port can the bridge use as interface?</p> <ul style="list-style-type: none"> - Telnet - SSH - SFP - WINS <div style="text-align: right;">  </div>	<p>Which ARP mode is the default one?</p> <ul style="list-style-type: none"> - Enable - Reply-only - Disable - Proxy-arp <div style="text-align: right;">  </div>	<p>How many DHCP Servers can I have over one interface?</p> <ul style="list-style-type: none"> - Only One - Only Two - As many as I want - None, I can't have a DHCP Server <div style="text-align: right;">  </div>
<p>What is the function of the license of level 1?</p> <ul style="list-style-type: none"> - AP Wireless - Free demo - Illimited - CPE Wireless client (station) <div style="text-align: right;">  </div>	<p>What rule is necessary to send packets outside private networks?</p> <ul style="list-style-type: none"> - Masquerade - Jump - Allow - Enable <div style="text-align: right;">  </div>	<p>Level 1 (L1) license of the RouterOS lasts</p> <ul style="list-style-type: none"> - 24 hours - Unlimited - 365 days - One month <div style="text-align: right;">  </div>
<p>On which layer, in the ISO/OSI model, is the PPoE protocol?</p> <ul style="list-style-type: none"> - 1 - 2 - 3 - 4 <div style="text-align: right;">  </div>	<p>Which of these answers is a propriety of an DHCP server?</p> <ul style="list-style-type: none"> - WINS - PPPoE - SSH - Boot-file-name <div style="text-align: right;">  </div>	<p>How many DHCP server can you create on the same interface?</p> <ul style="list-style-type: none"> - 1 - 256 - 4 - 1024 <div style="text-align: right;">  </div>

<p style="text-align: center;">Answer: Only One</p> <p><i>A DHCP server needs a unique IP address and interface to work</i></p>	<p style="text-align: center;">Answer: Enable</p> <p><i>In RouterOS default configuration the ARP table is generated dynamically</i></p>	<p style="text-align: center;">Answer: SFP</p> <p><i>SFP is a physical type of port, the other 3 are connection protocols</i></p>
<p style="text-align: center;">Answer: Unlimited</p> <p><i>The Free Demo License needs registration to work and has limited functionality but doesn't have time limits.</i></p>	<p style="text-align: center;">Answer: Masquerade</p> <p><i>A Masquerade NAT changes the IPs in the packet header allowing it to travel through public networks</i></p>	<p style="text-align: center;">Answer: Free demo</p> <p><i>0 Trial Mode 1 Free Mode 3 CPE Wireless client (station) 4 AP Wireless AP: WISP, HOME, Office 5 Level 4 like but less limitations on VPNs 6 Full License</i></p>
<p style="text-align: center;">Answer: 1</p>	<p style="text-align: center;">Answer: WINS Boot-file-name</p> <p><i>SSH is a secure connection protocol and PPPoE is a Layer 2 tunneling protocol. None of these 2 are parameters that can be sent to a client</i></p>	<p style="text-align: center;">Answer: 2</p> <p><i>PPP is a L2 tunneling protocol</i></p>

<p>The DFS (Dynamic frequency selection) must be active on channels</p> <ul style="list-style-type: none"> - From 0 to 52 at a frequency of 5 GHz - From 52 to 144 at a frequency of 2.4 GHz - From 52 to 144 at a frequency of 5 GHz - On every channel at a frequency 5 GHz <p> Wireless</p>	<p>Which of these pool of ip addressed are available for being used in a dhcp server?</p> <ul style="list-style-type: none"> - 192.168.1.1-192.168.2.10 - None of them - All of them - 192.168.1.10-192.168.1.256 <p> DHCP</p>	<p>What you need to create a bridge in RouterOS?</p> <ul style="list-style-type: none"> - Interfaces to connect on the router - IP - Number of hostes - MAC address of the router <p> Bridging</p>
<p>In which layer of the ISO/OSI does bridge work?</p> <ul style="list-style-type: none"> - 1 - 2 - 4 - 3 <p> Bridging</p>	<p>What is the default protocol/port of (secure) winbox?</p> <ul style="list-style-type: none"> - UDP/5678 - TCP/8291 - TCP/22 - TCP/8080 <p> General</p>	<p>Which is the default Gateway?</p> <ul style="list-style-type: none"> - 255.255.255.0/24 - 255.255.255.255/0 - 8.8.8.8/0 - 0.0.0.0/0 <p> Routing</p>
<p>Which of these aren't states in a connection table?</p> <ul style="list-style-type: none"> - Closed - Invalid - Established - Related <p> Firewall</p>	<p>What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside world?</p> <ul style="list-style-type: none"> - Masquerade - Allow - Passthrough - Tarpit <p> Firewall</p>	<p>Which are the most famous techniques used by QoS?</p> <ul style="list-style-type: none"> - back-off mechanism - GPON encountering - OSPF - Shaping, Equalizing <p> QoS</p>

<p style="text-align: center;">Answer: Interfaces to connect on the router</p> <p><i>At least 2 interfaces to bridge together</i></p>	<p style="text-align: center;">Answer: 192.168.1.1-192.168.2.10</p> <p><i>The 4th answer contains a invalid IP address</i></p>	<p style="text-align: center;">Answer: From 52 to 144 at a frequency of 5 GHz</p> <p><i>Those channels are also used by weather stations and radar and should be left clear if they are being used.</i></p>
<p style="text-align: center;">Answer: 255.255.255.255/0</p> <p><i>Broadcast address</i></p>	<p style="text-align: center;">Answer: TCP/8291</p> <p><i>Mikrotik choice</i></p>	<p style="text-align: center;">Answer: 2</p> <p><i>Bridges relays on MAC addresses in order to send and recieve packets</i></p>
<p style="text-align: center;">Answer: Shaping, Equalizing</p> <p><i>None of the other answers are about QoS</i></p>	<p style="text-align: center;">Answer: Masquerade</p> <p><i>A Masquerade NAT changes the IPs in the packet header allowing it to travel through public networks</i></p>	<p style="text-align: center;">Answer: Closed</p> <p><i>Closed connections aren't shown in the connection table</i></p>

<p>What command is used to create a backup configuration?</p> <p>- Copy running backup - /backup - Copy running-config startup-config - /system backup save</p> <p></p>	<p>Which of the answers IS NOT part of the chains of filtering rule?</p> <p>- INPUT - OUTPUT - PASS - FORWARD</p> <p></p>	<p>How many layers does Open System Interconnection model have?</p> <p>- 4 - 12 - 7 - 6</p> <p></p>
<p>In which level of the ISO/OSI do the bridge devices work on?</p> <p>- Level 5 - Level 1 - Level 3 - None of the above</p> <p></p>	<p>Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?</p> <p>- WPA PSK/WPA2 PSK - None - WPA EAP/WPA2 EAP - All</p> <p></p>	<p>You have 802.11b/g wireless card. What of the following frequencies are available to you?</p> <p>- 2412MHz - 8212MHz - 3422MHz - 2422MHz</p> <p></p>
<p>Which of the abbreviations of the routing state DOES NOT exist?</p> <p>- A - F - S - C</p> <p></p>	<p>Which of the following IP addresses are public?</p> <p>- 11.63.72.21 - 10.10.10.10 - 192.168.1.1 - 172.168.254.2</p> <p></p>	<p>How many different priorities can be selected for queues in MikroTik RouterOS?</p> <p>- 4 - 8 - 6 - 16</p> <p></p>

<p style="text-align: center;">Answer: 7</p> <p><i>7. Application layer 6. Presentation layer 5. Session layer 4. Transport layer 3. Network layer 2. Data link layer</i></p>	<p style="text-align: center;">Answer: FORWARD</p> <p><i>Pass is neither a firewall chain or rule</i></p>	<p style="text-align: center;">Answer: /system backup save</p> <p><i>Just /backup isn't enough</i></p>
<p><i>1. Physical layer</i></p> <p style="text-align: center;">Answer: 2412MHz 2422MHz</p> <p><i>Both frequencies are defined in the 2.4Ghz band channels</i></p>	<p style="text-align: center;">Answer: WPA EAP/WPA2 EAP</p> <p>...</p>	<p style="text-align: center;">Answer: None of the above</p>
<p style="text-align: center;">Answer: 8</p> <p><i>It's a default RouterOS feature</i></p>	<p style="text-align: center;">Answer: 11.63.72.21 172.168.254.2</p> <p><i>Check IP classes</i></p>	<p style="text-align: center;">Answer: F</p> <p><i>A: Active C: Connect S: Static</i></p>

Select all the RouterOS software packages required for configuring a wireless station

- advanced-tools
- system
- wireless
- tools



Which of the following RouterOS package is required for configuring a IPv6 system

- advanced-tools
- ipv6
- calea
- multicast



In which byte of an IP packet can traffic be marked?

- The ToS byte
- The CoS byte
- The DSCP byte
- The QoS byte



Check the allowed input formats for wireless scan-list.

- 2400-2500
- 2400,2500
- 2400/2500
- 2400::2500



Which configuration menu should you use to change router's name?

- /system identity
- /system name
- /name system
- /tool name



Select all the RouterOS software packages required for configuring a BGP routing system

- advanced-tools
- system
- wireless
- routing



What 8-bit field exists in IP packet for QoS?

- DSCP
- Tos Field
- IP Precedence
- CoS



<p style="text-align: center;">Answer: The ToS byte</p> <p><i>The ToS byte is used to specify the type of data that the packet contains</i></p>	<p style="text-align: center;">Answer: ipv6</p> <p><i>RouterOS allows the user to download many packages with different functions inside. IPv6 Packet enables IPv6 functionalities</i></p>	<p style="text-align: center;">Answer: system wireless</p> <p><i>RouterOS allows the user to download many packages with different functions inside. System and Wireless packets enables wireless functionalities</i></p>
	<p style="text-align: center;">Answer: /system identity</p> <p><i>The other answer are invalid commands</i></p>	<p style="text-align: center;">Answer: 2400-2500 2400,2500</p> <p><i>The dash makes the router scan from 2400 to 2500, the comma instead tells the router to scan just those frequencies</i></p>
	<p style="text-align: center;">Answer: Tos Field</p> <p><i>ToS: Type of Service</i></p>	<p style="text-align: center;">Answer: system routing</p> <p><i>RouterOS allows the user to download many packages with different functions inside. System and Routing packets enables BGP routing</i></p>