MikroTik Certified User Management Engineer (MTCUME) DUMPS

Md. Mahbub Hasan Pavel   **mikrotik**

MikroTik Certified Trainer (TR0743), Latvia, Europe   Phone: +880 1751 538313

1. Which menu is used for configuration to share the same HotSpot user and password for different computers at the same time?

A. /ip hotspot profile

B. /ip hotspot walled-garden

C. /ip hotspot user profile

D. /ip hotspot ip-binding

2. The router C receives its public IP address and the default route through a PPPoE tunnel with the router B.

The router A has an L2TP VPN tunnel between its public IP address and the public IP address of the Router C.

The Ethernet MTU is 1500 bytes. Select the Maximum MTU that can be configured on the L2TP Tunnel, so that no packet fragmentation will occur due to the encapsulation overhead.

A. 1460 bytes

B. 1452 bytes

C. 1500 bytes

D. 1448 bytes
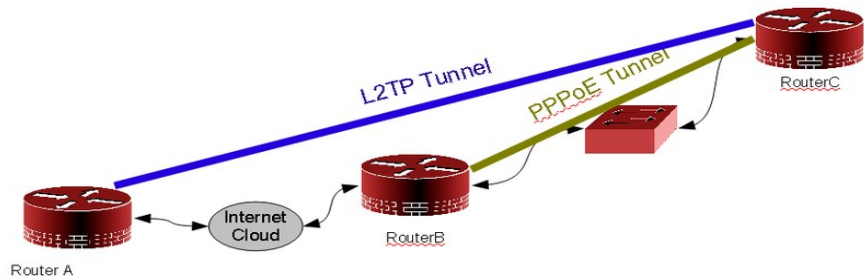
3. RouterOS router can act as a RADIUS client and authenticate through a RADIUS server different services.

Which of the following can authenticate using this method?

A. SNMP agents

B. PPTP users

C. Wireless clients

D. RouterOS users

E. PPPoE users

4. Which PPTP parameters can be obtained from RADIUS server?

A. DNS address.

B. Remote address.

C. Simple Queue rx/tx limit.

D. Local address.

5. To limit wireless access for your HotSpot users

A. Create MAC Address restriction on PPP user login

B. Create IP Address restriction in the Wireless Access List

C. Create MAC Address restriction in the Wireless Access List

D. Create MAC Address restriction on HotSpot user login

6. To customise the look of the hotspot login page, you can edit

A. redirect.html

B. login.html

C. template.html

D. alogin.html

7. Where are HotSpot authorized clients shown?

A. /ip hotspot host

B. /ip hotspot active

C. /ip hotspot user

D. /ip hotspot

8. Choose the best option to offer hotspot access to a known wireless client without HotSpot authentication

A. /ip hotspot ip-binding

B. /ip hotspot walled garden

C. place Client registered MAC address in access list

D. /ip firewall mangle

9. What is the Encapsulation overhead on PPPoE tunnels?

A. 10 bytes

B. 8 bytes

C. 12 bytes

D. 4 bytes

E. 6 bytes

F. 20 bytes

G. 8k bytes

10. Setting /radius incoming set accept=yes will allow your router to act as radius proxy, and accept incoming Authorization queries from other routers

true

11. You can allow the receiving of emails from an external IMAP server without HotSpot authentication.

true

12. What is Transfer-Limit for in User Manager?

A. Bandwidth Limit for Upload+Download

B. Limit amount of bytes for Upload+Download

C. Limit amount of bytes for Upload only

D. Limit amount of bytes for Download-Upload

E. Bandwidth Limit for Upload only

13. HotSpot is installed with a single address-pool. You want to equalize the bandwidth between clients, dividing them in two groups (free users and paying-users). Select the most appropriate answer.

A. Impossible with one address-pool

B. It is possible by dynamic address list and marking connection/packets by this address-list. Appropriate PCQ queues are created for both groups.

C. It is possible by using only half pool for one group, the half pool is sorted by mangle. Set appropriate queue with wireless-default type.

14. When rate-limit is sent to a client from /ip hotspot user profile or RADIUS server, which option is used to configure 'limit-at' in the dynamically created /queue simple ?

A. rx-rate-min/tx-rate-min

B. limit-at/limit-at

C. rx-burst-rate/tx-burst-rate

D. rx-rate/tx-rate

15. Which protocol(s) and port(s) needs to be opened in a firewall setup for an IPSec ESP tunnel to be established and for traffic to flow?

A. IP protocol 51

B. TCP port 1723 and IP protocol 47

C. UDP port 1701

D. UDP port 500 and IP protocol 50

16. What is necessary for PPPoE client configuration?

A. ip firewall nat masquerade rule

B. Wireless interface configured as an access point

C. Interface (on which PPPoE client is going to work)

D. Static IP address on PPPoE client interface

17. PPPoE tunnels can be used

A. for assigning IP addresses to clients

B. over bridged wireless networks

C. over routed Ethernet networks

D. over routed wireless networks

18. How can mangle rules be applied to dynamically created PPTP client interfaces (select all that apply):

A. By enabling the 'PPTP Use Firewall' setting in the associated PPP Profile

B. It is not possible to do this

C. By using 'all ppp' as the mangle 'In interface'

D. By using the Address List feature in the associated PPP Profile

19. When setting up a server, PPP Secrets are used for:

A. IPsec clients

B. PPP clients

C. L2TP clients

D. PPPoE clients

E. Router users

F. PPTP clients

20. You have selected service ppp in /radius configuration to authenticate using User Manager.

What type of users will be sent to User Manager for authentication?

A. Wireless

B. PPPoE

C. L2TP

D. PPP

E. Hotspot

F. RouterOS users

G. PPTP

21. What is the correct sequence of parameters, when adding routes in "/ppp secret"

A. [gateway] [metric] [network]

B. [network] [metric]

C. [network] [gateway] [metric]

22. What configuration is added by /ip hotspot setup command? (select all that apply)

A. /ip hotspot user

B. /ip service

C. /queue tree

D. /ip hotspot walled-garden

E. /ip dhcp-server

23. Select true statements from the following statements about IPsec:

A. IPsec ESP only provides encryption there is no message integrity check

B. IPsec AH provides no encryption facility for data, it only checks message integrity

C. IPsec AH on its own can provide encryption facility for data

D. IPsec ESP can operate in tunnel mode and transport mode

E. Standard DES encryption algorithm is cryptographically weak and should not be deployed anymore

F. IPsec ESP can only operate in tunnel mode

24. Select which of the following can be managed by the User Manager:

A. DHCP lease management

B. RouterOS logs

C. SNMP community management

D. RouterOS user management

E. PPP authentication

F. Hotspot user management

25. When using MikroTik-Group attribute on RADIUS/User Manager server, which attributes for the users can be specified:

A. HotSpot profile for HotSpot users

B. RouterOS user default /user group

C. PPP default profile name for PPP users

D. Security Profile for Wireless users

26. Mark the correct statements about PPTP and L2TP tunnels

A. L2TP requires NAT helper to run on NAT'ed clients

B. both (PPTP and L2TP) have MLPPP support

C. PPTP and L2TP requires GRE protocol for encapsulation

D. PPTP tunnels use TCP, but L2TP tunnels use UDP protocol

E. both (PPTP and L2TP) have BCP support

27. Configuring HotSpot is possible on MikroTik RouterOS only with a wireless interface.

<mark>false</mark>

28. What menus should be used to allow certain websites to be accessed from behind a hotspot interface, without client authentication

<mark>A. ip hotspot walled-garden</mark>

B. ip hotspot profile

<mark>C. ip hotspot ip-binding</mark>

D. ip hotspot walled-garden ip

29. HotSpot configuration has the address-pool enabled in the profile.

When 2 wireless clients have the same fixed ip address configured in their computers

<mark>A. only one of them will have internet access</mark>

B. 2 customers will be able to access the Internet

C. none of them will have internet access

30. You want to skip HotSpot (authorization, accounting, etc.) for a specific host. What should you use?

A. /ip hotspot walled-garden

B. /ip address

C. /ip hotspot walled-garden ip

<mark>D. /ip hotspot ip-binding</mark>

31. It is possible to assign a user group to the given RouterOS user by RADIUS server.

<mark>true</mark>

32. Multiple PPPoE servers are installed in your network. You want to support central user management by using MikroTik User Manager. Select the most appropriate answers.

A. You have to install the User Manager package on all PPPoE servers

<mark>B. You have to install the User Manager package on one system</mark>

C. The User Manager server does not have to reach all PPPoE servers

<mark>D. User Manager can be installed on one of PPPoE servers</mark>

33. Which of the following protocols and ports are commonly used for IPsec and its related services (select all that are correct):

A. UDP port 500

B. UDP port 51

C. UDP port 50

D. TCP port 4500

E. IP protocol 50

F. TCP port 50

G. IP protocol 51

H. UDP port 4500

I. TCP port 51

J. TCP port 500

34. BCP (Bridge Control Protocol) should be enabled only at PPP server.

false

35. The HotSpot feature can be used only on ethernet interfaces. You have to use a separate access point if you want to use this feature with wireless.

false

36. www and/or www-ssl service has to be enabled from /ip services to use the HotSpot feature.

true

37. To route two private networks together over a public routed network (there are multiple hops between the gateway routers of the private networks), you can use the following tunnel types (mark all that are correct):

A. PPPOE

B. L2TP

C. IPIP

D. EOIP

E. PPTP

38. You want to limit bandwidth for your HotSpot users. HotSpot can create dynamic queues on user login to do the speed limitations.

true

39. There are 23 HotSpot users and 14 PPPoE users in your network, you want to manage them by User Manager. Which RouterOS level should be on the router for the number of users?

A. 4

B. 5

C. 3

D. Demo License level

40. You need to open SSH service on HotSpot server for unauthorized users. Which rule do you need to configure ?

A. /ip firewall filter add action=accept chain=hs-unauth dst-port=22 protocol=tcp , /ip firewall filter add action=accept chain=hs-uanuth-to src-port=22 protocol=tcp

B. /ip hotspot walled-garden add dst-port=22 action=allow

C. /ip service enable ssh enabled=yes

D. /ip hotspot walled-garden ip add protocol=tcp dst-port=22 action=accept

41. A PPPoE packet type that terminates the connection to the PPPoE server is called

A. PADT

B. PADS

C. PADR

D. PADO