1. (Single) Which of the following packet types does not exist in IPv6?( B ）
2. Unicast
3. Broadcasting
4. Multicast
5. Anycast
6. (Single) Which of the following address types does an IPv6 link-local address belong to?( A )
7. Unicast
8. Broadcast
9. Multicast
10. Anycast
11. (Single) Which of the following statements about the compression expression of IPv6 address 2001:0410:0000:0001:0000:0000:0000:45FF is correct? ( C ）
12. 2001:410:0:1:0:0:0:45FF
13. 2001:41:0:1:0:0:0:45FF
14. 2001:410:0:1::45FF
15. 2001:410::1::45FF
16. (True or False) No matter how an IPv6 unicast address is configured, the host or router performs DAD.( A )
17. True
18. False
19. (True or False) The global unicast address and link-local address in IPv6 can be manually set.( A )
20. True
21. False
22. What is the most abbreviated form of the IPv6 address 2001:0DB8:0000:0000:032A:0000:0000:2D70?

A: 2001:DB8::32A:0:0:2D70 or 2001:DBB:0:0:32A::2D70

1. What is the process of SLAAC for IPv6 hosts?

An IPv6 host obtains an address prefix from the RA message sent by the related router interface, and then generates an interface ID by inserting a 16-bit FFFE into the existing 48-bit MAC address of the host's interface. After generating an IPv6 address, the IPv6 host checks whether the address is unique through DAD.