

Which three statements are characteristics of generic routing encapsulation (GRE)? (Choose three.)

GRE encapsulation supports any OSI Layer 3 protocol
GRE does not have strong security mechanisms
GRE is stateless

When not in the office, network administrators in a company are required to establish an IPsec VPN connection to the company before accessing the intranet for network device management. Which Cisco Easy VPN component is needed for the administrators?

Cisco VPN Client

An administrator issued the following commands on router R1: "R1(config)# logging 192.168.10.2" and "R1(config)# logging trap 5". What conclusion can be drawn from this configuration?

The only messages that appear on the syslog server are those with severity level of 4 or lower

Which communication protocol allows the creation of a tunnel through the DSL connection between the customer router and the ISP router to send PPP frames?
PPPoE

A network engineer is using a Cisco ASA as a proxy device to provide remote secure access to a company web server. What technology is being used?

Cisco Secure Mobility Clientless SSL VPN

Which is a requirement of a site-to-site VPN?

it requires a VPN gateway at each end of the tunnel to encrypt and decrypt traffic

Which two statements describe a remote access VPN? (Choose two.)

it is used to connect individual hosts securely to a company network over the Internet

It may require VPN client software on hosts

What are two reasons a company would use a VPN? (Choose two.)

to connect remote users to the network
to allow suppliers to access the network

What are two key features of SSL? (Choose two.)

web-based network access with minimum support costs
native SSL encryption provides secure web-based network access

At which two layers of the OSI model does DOCSIS specify requirements? (Choose two.)

Layer 1

Layer 2

Which technology via the syslog protocol enhances real-time debugging by displaying the date and time associated with each monitored event?

syslog service timestamps

Fill in the blank. IPsec functions at the

layer of the OSI model, and protects and authenticates IP packets between IPsec devices

Network

Which type of telecommunication technology is used to provide Internet access to vessels at sea?

satellite

Which three services are critical functions of the IPsec service? (Choose three.)

authentication

confidentiality
data integrity

What method allows VPN traffic to remain confidential?
encryption

What is advantage offered by GRE tunnels?
support for IP multicast tunnelling

Which broadband solution would best meet the requirements of a customer who has an existing telephone landline, requires moderate downstream bandwidth, but does not want to share with other users?
WiMax

Which encryption algorithm is recommended to be used for IPsec encryption?
AES

Fill in the blank. _____
is a secure, reliable, cost-effective way to allow remote users, branches, and suppliers to connect to resources on the company network
VPN

Fill in the blank. Cable systems use coaxial cables that carry signals across the network
RF

100/100

Which site-to-site connection provides a secure and reliable remote connection to teleworkers to access corporate networks over the Internet?
VPN

In order for the IT staff of a company to understand the basic operation of VPNs, which two features or technologies must the network designer identify as training needs? (Choose two.)
encryption algorithms
tunnelling protocols

What are two disadvantages to being a teleworker? (Choose two.)
increased distractions
increased seclusion

Where is PPPoE configured on a Cisco router?
on the dialer interface

What is a component of an ADSL connection that is located at the customer site?
CPE

What is the appropriate usage of a Very Small Aperture Terminal (VSAT) to create a private WAN?

What are three characteristics that help build a successful environment for a teleworker? (Choose three.)
broadband Internet connection
a flexible approach to require work
distraction free workplace

What is the approximate distance limitation for providing a satisfactory ADSL service from the central office to a customer?
3.39 miles or 5.46 kilometers

Fill in the blank. Use the acronym. PPP supports _____
authentication that can be used by ISPs to securely authenticate users prior to

providing services.

A router in a Frame Relay network needs to forward a message received from a host. What two methods does the router use to identify the correct VC to forward the message? (Choose two.)

The router searches Inverse ARP tables for maps of DLCIs to IP addresses
A table static mappings can be searched

What is different about using IPv6 with Frame Relay compared to using IPv4?
the protocol to obtain the Layer 3 address of the opposite device

If Inverse ARP is not available for use, how can a network administrator still provide a Frame Relay connection to the service provider and forward routing updates?

Use static mapping with the broadcast keyword

Fill in the blank. The maximum average data rate a service provider guarantees to a customer is known as the
CIR

How are Frame Relay virtual circuits identified?
DLCI

What is an advantage of configuring subinterfaces in a Frame Relay environment?
reduces split horizon issues

What are three mechanisms used by Frame Relay to reduce network overhead caused by congestion? (Choose three.)

DE
BECN
FECN

Which bit is set by a Frame Relay switch to inform the source station that there is congestion on the network?

BECN

What keyword is used in a Frame Relay static map configuration when OSPF is used among various sites of a corporation?
broadcast

In what situation would it be best to use Frame Relay subinterfaces?
any time EIGRP or OSPF is used across the Frame Relay cloud
when IPv6 used

What are two reasons Frame Relay is most cost-effective than leased lines?
(Choose two.)

uses less equipment
shares bandwidth across a large customer base

100/100