



Deploying Cisco ASA VPN Solutions (VPN v2.0)

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#### **QUESTION 1**

Authorization of a clientless SSL VPN defines the actions that a user may perform within a clientless SSL VPN session. Which statement is correct concerning the SSL VPN authorization process?

A. Remote clients can be authorized by applying a dynamic access policy, which is configured on an external AAA server.

B. Remote clients can be authorized externally by applying group parameters from an external database.

- C. Remote client authorization is supported by RADIUS and TACACS+ protocols.
- D. To configure external authorization, you must configure the Cisco ASA for cut-through proxy.

Correct Answer: B

http://www.cisco.com/en/US/docs/security/asa/asa91/configuration/vpn/vpn\_extserver.html

### **QUESTION 2**

When preconfiguring a Cisco AnyConnect profile for the user group, which file is output by the Cisco AnyConnect profile editor?

- A. user.ini
- B. user.html
- C. user.pcf
- D. user.xml

Correct Answer: D

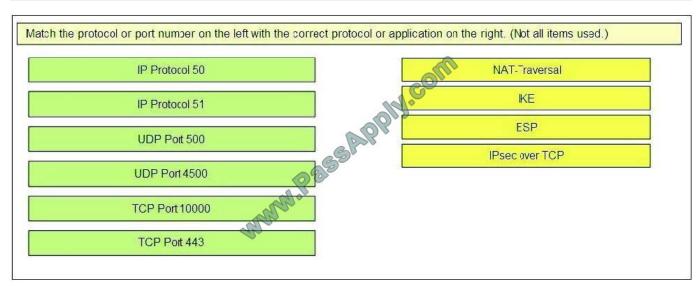
http://www.cisco.com/en/US/docs/security/vpn\_client/anyconnect/anyconnect30/administration/guide/ac 02asaconfig.html

#### **QUESTION 3**

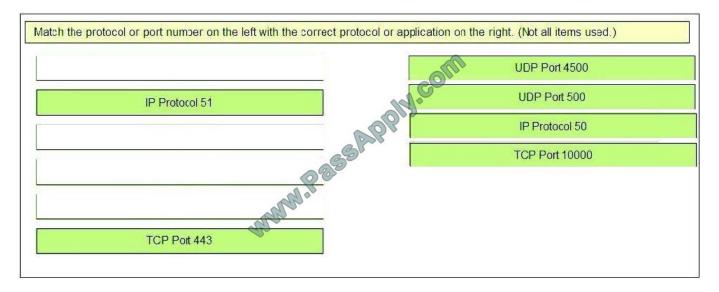
Match the protocol or port number on the left with the correct protocol or application on the right. (Not all items used.)

Select and Place:





#### Correct Answer:



#### **QUESTION 4**

Refer to the exhibit.



Bookmark List:	Inherit	temp_work	ver			Manag
URL Entry:	🗌 Inherit	O Enable	<ul> <li>Disable</li> </ul>		2	
ile Access Control						
File Server Entry:	🗹 Inherit	() Enable	🔿 Disable			
File Server Browsing:	🔲 Inherit	O Enable	<ul> <li>Disable</li> </ul>			
🔂 Configure GUI Cu	istomizatio	n Objects	•		×	
Configure Bookmark L	📧 Edit Bo	okmark Li	st 🧳			
portal page.	Pa alum ault I	ish Massay, ha		7		
This parameter is enf access policy configu	A CONTRACTOR OF A CONTRACT	ist Name: te	mp_worker	URL		Add
decess poney conniga		ker_projects		http://projects	.abc.com	Add
💠 Add 🗹 Edit 🧃	temp_work	and the second se		http://172.26.		Edit
Bookmarks	WebVP	V Service (	Temp Worke	er)		
Template Corporate_Server						
temp_worker	Home		Add	ress 💽	Browse	Logout
	Web.	Applications	W	eb Bookmarks		
			. 6	temp_worker_proj	ects	
				temp worker adm	4.00	

A new network engineer configured the ABC adaptive security appliance with two bookmarks for a new temporary worker. The temporary worker can connect to the administrator server via the temp\_worker\_admin bookmark but cannot

connect to the project server via the temp\_worker\_projects bookmark (which is grayed out). It was determined that the URL and IP addressing information in the GUI screens is correct.

What is wrong with the configuration?

- A. URL Entry should be enabled.
- B. The File Server Entry Inherit parameter should be overwritten and set for enabled.
- C. The DNS server information is incorrect.
- D. File Server Browsing should be enabled.

```
Correct Answer: C
```

### **QUESTION 5**



Which two options are correct regarding IKE and IPv6 VPN support on the Cisco ASA using version 8.4? (Choose two.)

- A. The Cisco ASA supports full IKEv2 IPv6 for site-to-site VPNs only.
- B. The Cisco ASA supports full IKEv2 IPv6 for remote-access VPNs.
- C. The Cisco ASA supports IKEv1 and IKEv2 configuration on the same crypto map.
- D. The Cisco ASA supports negotiation of authentication type using IKEv2 with IPv6.
- E. The Cisco ASA supports all types of VPN configurations when using IPv6

Correct Answer: AC

http://www.cisco.com/en/US/prod/collateral/vpndevc/ps6032/ps6094/ps6120/product\_bulletin\_c25- 593781.html

?IPv6 IPsec Site-to-Site VPN: Customers can now create encrypted IPsec VPN connections over IPv6 networks

http://www.cisco.com/en/US/docs/security/asa/asa84/configuration/guide/vpn\_site2site.html#wp1061313

For IKEv2, you can configure multiple encryption and authentication types, and multiple integrity algorithms for a single policy. The ASA orders the settings from the most secure to the least secure and negotiates with the peer using that order. This allows you to potentially send a single proposal to convey all the allowed transforms instead of the need to send each allowed combination as with IKEv1.

#### **QUESTION 6**

Refer to the exhibit.



File View Tools Wizards Window Help			Į.	ook For:
🔥 Home 🚱 Configuration 📴 Monitoring [	🚽 Save 🔇 Refresh 🔇 Back 🚫 For	ward 🤗 Help		
Site-to-Site VPN		Site VPN > Advanced > Certificate	e to Connection Profile Map	s > Rules
Connection Frofiles Group Policies Certificate Management Advanced Tunnel Groups Grypto Maps	Define rues to map certificriteria for the selected m Certificate to Connection Pr Add 22 Edit 10 D	ofile Maps	nnel groups). Like the bottom ta	ble to configure certificate fiel
IKE Policies	Map Name	Map Name Rule Priority Mapped		
IPsec Proposals (Transform Sets)     IPsec Prefragmentation Policies     Policy     Policy     Rules     System Options     ACL Manager	DefaultCertificateMap	elete	3 DefaultWEBVFNGr	
	Field	Component Kommos Wame (CN)	Operator Equals	Value
Device Setup Firewall Remote Access VPN	G	dit Certificate Matching Rule Criteri Configure a certificate matching rule crit Rule Priority: 3 Mapped to Connect on Profile: DefaultW Field Component OK	erion	Value
Site-to-Site VFN				
Die-to-Site AHN				

In the Edit Certificate Matching Rule Criterion window, you want to change the Mapped to Connection Profile. However, you cannot perform that action from this window.

Where should you navigate to and what should you do, in order to perform this change?

- A. Edit the entry in the Certificate Management window.
- B. Edit the entry in the Connection Profiles window.
- C. Edit the entry in the Certificate to Connection Profile Maps window.
- D. Edit the entry in IKE Policies window.
- E. Delete this entry in the Mapping Criteria window, and add a new entry in the same location.

Correct Answer: C

#### **QUESTION 7**

When configuring the Cisco ASA for VPN clustering, which IP address or addresses does the end-user device connect to?

- A. It connects to individual device addresses of the cluster as provided in the connection profile.
- B. It connects to the virtual address.



C. The virtual cluster manager sends the IP address of the least loaded device. The client then connects directly to that device.

D. The connection IP address is dependent upon whether the initiator is using SSL or IPsec.

Correct Answer: B

http://www.cisco.com/en/US/products/ps6120/products\_configuration\_example09186a00805fda25.shtml

#### **QUESTION 8**

Refer to the exhibit.

Name	Туре	Tunneling Protocol	A	AA Server Group	
ew_hire	Internal	ssi-client	1	I/A	
ontractor	Internal	ssl-clientless,ssl-client	P	I/A	
mployee	Internal	ssl-clientless,ssl-client	P	I/A 🔨 🔪	
anagement	Internal	ssl-client, ikev2	P	I/A	
ngineering	Internal	ssl-client, ikev2		I/A-	
(itGrpPolicy (System Default)	Internal	ssl-clientless,ikev1,ikev2		1/A -	1
fit User Accountcontracto	1				
	checkbox to let the	corresponding setting take its	value from the	group policy.	
PN Policy Group Policy:		Inherit new_bire		~	
Tunneling Protoco	ıls:		1 SR 11	SSL VPN Client 🔲 IPsec	
IPv4 Filter:		Inherit		1	
IPv6 Filter:		Inhere.		*	
Connection Profile	e (Tunnel Group) Lo	ck: Dhbert contractor		~	
Store Password o	n Client System:	Intert O Yes (	No		
Connection Settings				Login	
Access Hours:		Inherit			
Simultaneous Log	and the second se	Inherit Pla	ease enter you	r username and passw	ord.
Maximum Congect	Time:		GROUP:	new_hire	
Ide Theour		Inherit	USERNAME:	Annual and a second sec	]
Dedicated IP Addres	ss (Optional)	and the second	PASSWORD:		1
IP Address: 10.0	0.4.120 Subn	et Mask: 255.	and the second		
				Login	

When an SSL VPN user, contractor1, enters https://192.168.4.2 (the outside address of the Cisco ASA appliance) into the browser, an SSL VPN Login screen appears.



In addition to the information that is contained in the Cisco ASDM configuration screens, what can an administrator determine about the state of the connection after the user clicks the Login button?

- A. The user login will succeed, and an IP address of 10.0.4.120 will be assigned.
- B. The user will be presented with a clientless VPN portal page.
- C. The user login will succeed, but the user will be connected to the "contractor" tunnel group.

D. The login will fail.

Correct Answer: D

#### **QUESTION 9**

You are configuring bookmarks for the clientless SSL VPN portal without the use of plug-ins.

Which three bookmark types are supported? (Choose three.)

A. RDP

- B. HTTP
- C. FTP
- D. CIFS
- E. SSH
- F. Telnet

Correct Answer: BCD

http://www.cisco.com/en/US/docs/security/asa/asa80/asdm60/ssl\_vpn\_deployment\_guide/deploy.html#w p1227212

#### **QUESTION 10**

An XYZ Corporation systems engineer, while making a sales call on the ABC Corporation headquarters, tried to access the XYZ sales demonstration folder to transfer a demonstration via FTP from an ABC conference room behind the firewall. The engineer could not reach XYZ through the remote-access VPN tunnel. From home the previous day, however, the engineer did connect to the XYZ sales demonstration folder and transferred the demonstration via IPsec over DSL.

To get the connection to work and transfer the demonstration, what should the engineer do?

- A. Change the MTU size on the IPsec client to account for the change from DSL to cable transmission.
- B. Enable the local LAN access option on the IPsec client.
- C. Enable the IPsec over TCP option on the IPsec client.
- D. Enable the clientless SSL VPN option on the PC.



#### Correct Answer: C

IP Security (IPSec) over Transmission Control Protocol (TCP) enables a VPN Client to operate in an environment in which standard Encapsulating Security Protocol (ESP, Protocol 50) or Internet Key Exchange (IKE, User Datagram Protocol (UDP) 500) cannot function, or can function only with modification to existing firewall rules. IPSec over TCP encapsulates both the IKE and IPSec protocols within a TCP packet, and it enables secure tunneling through both Network Address Translation (NAT) and Port Address Translation (PAT) devices and firewalls

#### **QUESTION 11**

The LAN-to-LAN tunnel is not established, but an administrator can ping the remote Cisco ASA.

Which three IPsec LAN-to-LAN configuration parameters should the administrator verify at both ends of the tunnel? (Choose three.)

- A. pre-shared key
- B. extended authentication password
- C. extended authentication username
- D. crypto ACL source IP address
- E. crypto ACL destination IP address
- F. tunnel connection-typE. originate or answer

Correct Answer: ADE

### **QUESTION 12**

Refer to the exhibit.

分 Home	Address http://	Loqout
🚯 Web Applications	Mich Deslimerice	
Browse Networks	Web Bookmarks	-
Replication Access	temp worker admin	
VNC Connections	Telnet and SSH bookmarks	
elnet/SSH Servers	E ssh	
	00	



Today was the first day on a new project for an offsite temporary worker at the XYZ Corporation. The worker was told to launch the SSL VPN session and then use the smart tunnel application to start a remote desktop application on the project server, projects\_server.xyz.com. The worker looked at the portal screen that was provided, but she did not know how to access the smart tunnel application.

As the help desk person, what should you instruct the temporary worker to do?

- A. Click the Web Applications button.
- B. Click the Applications Access button.
- C. Click the Browse Networks button.

D. On the Home page, click the Address drop-down menu, choose RDP://, and fill in the destination host name, which is projects\_server.abc.com.

Correct Answer: B

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