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Exam : 642-647

**Title : Deploying Cisco ASA VPN
Solutions (VPN v1.0)**

Version : DEMO

1.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 connected 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 can you suggest?

- 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

Answer: A

2.Refer to the exhibit.

A screenshot of a Cisco IOS WebVPN login page. The page has a title bar that says "Login". Below the title bar, it says "Please enter your username and password." There are three input fields: "GROUP:" with a drop-down menu showing "contractor", "USERNAME:" with a text box, and "PASSWORD:" with a text box. Below these fields is a "Login" button.

For the ABC Corporation, members of the NOC need the ability to select tunnel groups from a drop-down menu on the Cisco IOS WebVPN login page.As the Cisco ASA administrator, how would you accomplish this task?

- A.Define a special identity certificate with multiple groups that are defined in the certificate OU field that will grant the certificate holder access to the named groups on the login page.
- B.Under Group Policies, define a default group that encompasses the required individual groups that would appear on the login page.
- C.Under Connection Profiles, define a NOC profile that encompasses the required individual profiles that would appear on the login page.
- D.Under Connection Profiles, enable group selection from the login page.

Answer: D

3.Which four parameters must be defined in an ISAKMP policy when creating an IPsec site-to-site VPN using the Cisco ASDM? (Choose four.)

Instruction

This item contains a simulation task. Refer to the scenario and topology before starting. Open the Topology window and click the required device to open the GUI window on a virtual terminal. Check your configuration from the client system in the topology. Only after you complete all the required configurations successfully can you access the contractor PC to test the VPN access. To perform the test, enter the <https://192.168.4.2/contractor> URL in the browser, click GO, and log in as contractor1. Then, from the SSL VPN port, choose **Network Access** then **Start AnyConnect**. Use scrolls to view all parts of the Cisco ASDM screens.


Note: In this simulation, not all Cisco ASDM screens are fully functional

Scenario

You are the firewall administrator for a small company. The company currently supports SSL VPN for "employees" only. Your job is to add support for a new group of Cisco AnyConnect SSL VPN users, "contractors", on the Cisco ASA using Cisco ASDM. For this exercise, the SSL VPN wizard has been deactivated. You will be asked to add a new connection profile, a new Group Policy, and a new user account. Use this information to complete the configurations:

- **New Connection Profile**
 - Name: contractor
 - AAA server group: LOCAL
 - Default Group Policy: contractor
 - Connection Alias: contractor
 - Group URL: <https://192.168.4.2/contractor>
- **New IP address pool**
 - Name: contractor
 - IP address range: 10.0.4.50/24 - 10.0.4.70/24
- **New internal group policy**
 - Name: contractor
 - Only permitted these two tunneling protocols: client and clientless SSL VPN
 - Add a new banner: "Welcome Contractors"
- **Local User**
 - Name: contractor1
 - Password: cisco
 - "contractor1" access restrictions: no ASDM, SSH, Telnet, or console access
 - Lock "contractor1" user to the "contractor" Connection Profile

TOPOLOGY



The topology diagram shows a laptop labeled "Contractor" PC connected to a cloud, which is then connected to a Cisco ASA 5505 router. The router is labeled with the number '1'.

- A. encryption algorithm
- B. hash algorithm
- C. authentication method
- D. IP address of remote IPsec peer
- E. D-H group
- F. perfect forward secrecy

Answer: A,B,C,E

4. An administrator has preconfigured the Cisco ASA 5505 user settings with a username and a password. When the telecommuter first turns on the Cisco ASA 5505 and attempts to establish a VPN tunnel, the user is prompted for a username and password. Which two Cisco ASA 5505 Group Policy features require this extra level of authentication? (Choose two.)

- A. New Unit Authentication
- B. Extended Group Authentication
- C. Secure Unit Authentication
- D. Role-Based Access Control Authentication
- E. Compartmented Mode Authentication
- F. Individual User Authentication

Answer: C,F

5. Refer to the exhibit.

http://server/homepage/CSCO_WEBVPN_USERNAME.html
ssh://sshserver/?cisco_sso=1

Which two statements are correct regarding these two Cisco ASA clientless SSL VPN bookmarks? (Choose two.)

- A. CSCO_WEBVPN_USERNAME is a user attribute.

B.CSCO_WEBVPN_USERNAME is a Cisco predefined variable that is used for macro substitution.

C.The CSCO_WEBVPN_USERNAME variable is enabled by using the Post SSO plug-in.

D.CSCO_SSO is a Cisco predefined variable that is used for macro substitution.

E.The CSCO_SSO=1 parameter enables SSO for the SSH plug-in.

F.The CSCO_SSO variable is enabled by using the Post SSO plug-in.

Answer: B,E

6.Which Cisco ASA SSL VPN feature provides support for PCI compliance by allowing for the validation of two sets of username and password credentials on the SSL VPN login page?

A.Single Sign-On

B.Certificate to Profile Mapping

C.Double Authentication

D.RSA OTP

Answer: D

7.Which two types of digital certificate enrollment processes are available for the Cisco ASA security appliance? (Choose two.)

A.LDAP

B.FTP

C.TFTP

D.HTTP

E.SCEP

F.Manual

Answer: E,F

8.Your corporate finance department purchased a new non-web-based TCP application tool to run on one of its servers.The finance employees need remote access to the software during nonbusiness hours.The employees do not have "admin" privileges to their PCs.How would you configure the SSL VPN tunnel to allow this application to run?

A.Configure a smart tunnel for the application.

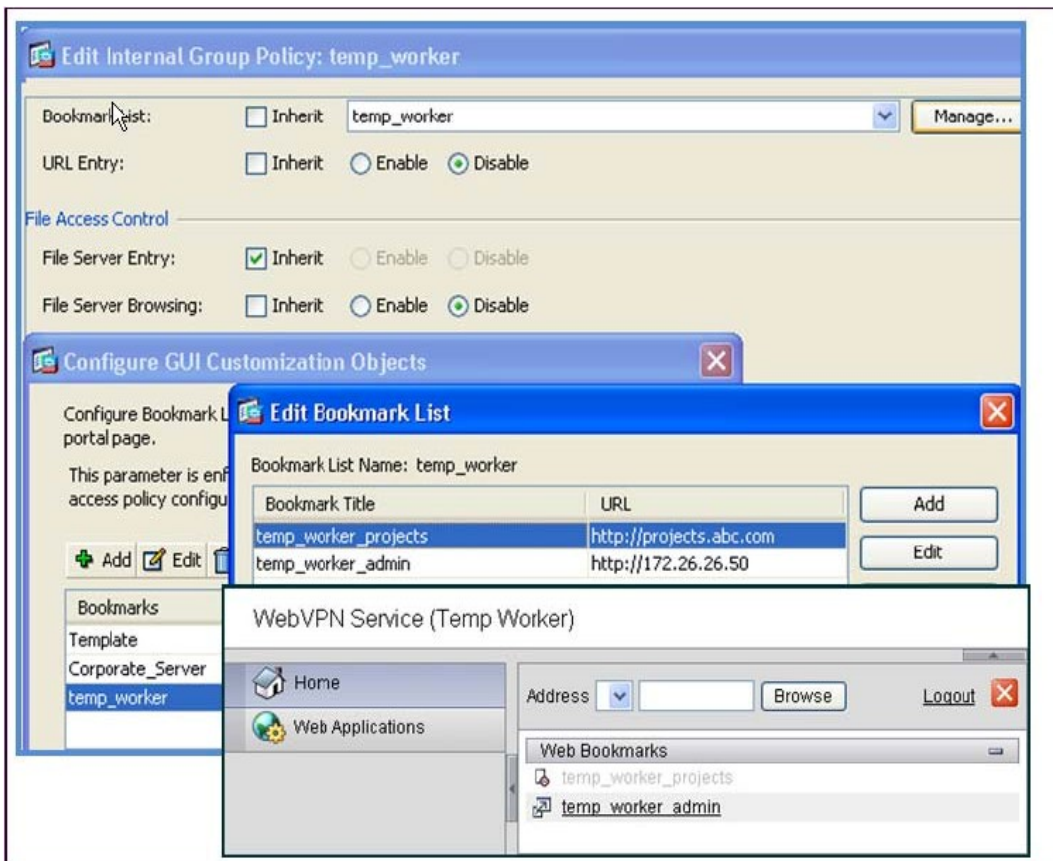
B.Configure a "finance tool" VNC bookmark on the employee clientless SSL VPN portal.

C.Configure the plug-in that best fits the application.

D.Configure the Cisco ASA appliance to download the Cisco AnyConnect SSL VPN client to the finance employee each time an SSL VPN tunnel is established.

Answer: A

9.Refer to the exhibit.



A new network engineer configured the ABC adaptive security appliance with two bookmarks for a new temporary employee. 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 (greyed-out) bookmark. 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

Answer: C

10. Refer to the exhibit.

Configuration > Remote Access VPN > Clientless SSL VPN Access > Group Policies

Name	Type	Tunneling Protocol	AAA Server Group
new_hire	Internal	webvpn	-- N/A --
contractor	Internal	webvpn,svc	-- N/A --
employee	Internal	webvpn,svc	-- N/A --
management	Internal	IPsec,svc	-- N/A --
engineering	Internal	IPsec,svc	-- N/A --
UfltGrpPolicy (System Default)	Internal	IPsec,webvpn,svc	-- N/A --

Edit User Account--Contractor1

Identity

VPN Policy

Check an Inherit checkbox to let the corresponding setting take its value from the group policy.

Group Policy: ☐ Inherit new_hire

Tunneling Protocols: ☒ Inherit ☐ Clientless SSL VPN ☐ SSL VPN Client ☐ IPsec

IPv4 Filter: ☒ Inherit

IPv6 Filter: ☒ Inherit

Connection Profile (Tunnel Group) Lock: ☐ Inherit contractor

Store Password on Client System: ☒ Inherit ☐ Yes ☐ No

Connection Settings

Access Hours: ☒ Inherit

Simultaneous Logins: ☒ Inherit

Maximum Connect Time: ☒ Inherit

Idle Timeout: ☒ Inherit

Dedicated IP Address (Optional)

IP Address: 10.0.4.120 Subnet Mask: 255.

Login

Please enter your username and password.

GROUP: new_hire

USERNAME: contractor1

PASSWORD: •••••

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. Along with 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.

Answer: D