



642-618^{Q&As}

Deploying Cisco ASA Firewall Solutions (FIREWALL v2.0)

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QUESTION 1

With Cisco ASA active/active or active/standby stateful failover, which state information or table is not passed between the active and standby Cisco ASA by default?

- A. NAT translation table
- B. TCP connection states
- C. UDP connection states
- D. ARP table
- E. HTTP connection table

Correct Answer: E

http://www.cisco.com/en/US/docs/security/asa/asa82/configuration/guide/ha_overview.html#wp_1078922



Stateful Failover

When Stateful Failover is enabled, the active unit continually passes per-connection state information to the standby unit. After a failover occurs, the same connection information is available at the new active unit. Supported end-user applications are not required to reconnect to keep the same communication session.

Table 32-2 list the state information that is and is not passed to the standby unit when Stateful Failover is enabled.

Table 32-2 State Information

State Information Passed to Standby Unit	State Information Not Passed to Standby Unit
NAT translation table	The HTTP connection table (unless HTTP replication is enabled).
TCP connection states	The user authentication (uauth) table. Inspected protocols are subject to advanced TCP-state tracking, and the TCP state of these connections is not automatically replicated. While these connections are replicated to the standby unit, there is a best-effort attempt to re-establish a TCP state.
UDP connection states	The routing tables. After a failover occurs, some packets may be lost or routed out of the wrong interface (the default route) while the dynamic routing protocols rediscover routes.
The ARP table	State information for Security Service Modules.
The Layer 2 bridge table (when running in transparent firewall mode)	DHCP server address leases.
The HTTP connection states (if HTTP replication is enabled)	Stateful failover for phone proxy. When the active unit goes down, the call fails, media stops flowing, and the phone should unregister from the failed unit and reregister with the active unit. The call must be re-established.
The ISAKMP and IPsec SA table	—
GTP PDP connection database	—
SIP signalling sessions	—

The following WebVPN features are not supported with Stateful Failover:

- Smart Tunnels
- Port Forwarding
- Plugins
- Java Applets
- IPv6 clientless or Anyconnect sessions
- Citrix authentication (Citrix users must reauthenticate after failover)

QUESTION 2



Which two statements about Cisco ASA 8.2 NAT configurations are true? (Choose two.)

- A. NAT operations can be implemented using the NAT, global, and static commands.
- B. If nat-control is enabled and a connection does not need a translation, then an identity NAT configuration is required.
- C. NAT configurations can use the any keyword as the input or output interface definition.
- D. The NAT table is read and processed from the top down until a translation rule is matched.
- E. Auto NAT links the translation to a network object.

Correct Answer: AB

http://www.cisco.com/en/US/products/ps6120/products_configuration_example09186a008046f3_1a.shtml#IN1

QUESTION 3

In one custom dynamic application, the inside client connects to an outside server using TCP port 4444 and negotiates return client traffic in the port range of 5000 to 5500. The server then starts streaming UDP data to the client on the negotiated port in the specified range.

Which Cisco ASA feature or command supports this custom dynamic application?

- A. TCP normalizer
- B. TCP intercept
- C. ip verify command
- D. established command
- E. tcp-map and tcp-options commands
- F. set connection advanced-options command

Correct Answer: D

<http://www.cisco.com/en/US/docs/security/asa/asa72/configuration/guide/int5505.html>

Established command--This command allows return connections from a lower security host to a higher security host if there is already an established connection from the higher level host to the lower level host.

For some security interfaces, you can configure established commands for both directions.

QUESTION 4

Refer to the Exhibit.



The screenshot shows a configuration table for NAT/PAT rules. The table has columns for #, Type, Original Source, Destination, Service, Interface, Address, and Service. The rules are grouped into sections: dmz_email, dmz_web, guest, and inside. A large red watermark 'PASSAPPLY.COM' is overlaid on the table.

#	Type	Original Source	Destination	Service	Interface	Address	Service
dmz_email (1 Static rules, 1 Dynamic rules)							
1	Static	dmz_emailserver		smtp	outside	public_email_address	smtp
2	Dynamic	dmz_emailserver			outside	public_email_address	
dmz_web (1 Static rules, 1 Dynamic rules)							
1	Static	dmz_webserver		http	outside	public_web_address	http
2	Dynamic	dmz_webserver			outside	public_web_address	
guest (1 Dynamic rules)							
1	Dynamic	guest-network/24			outside	outside	
inside (1 Dynamic rules)							
1	Dynamic	inside-network/24			outside	outside	

Which statement about the NAT/PAT configuration is true?

- A. Dynamic PAT is used for any traffic that is sourced from the dmz_emailserver to the outside
- B. Dynamic PAT is used for any traffic that is sourced from any host on the inside network to the outside
- C. Static NAT is used for any traffic that is sourced from the dmz_emailserver to the outside
- D. Static PAT is used for any traffic that is sourced from the dmz_emailserver to the outside
- E. Dynamic NAT is used for any traffic that is sourced from the dmz_emailserver to the outside
- F. Dynamic NAT is used for any traffic that is sourced from and host on the guest-network to the outside

Correct Answer: B

QUESTION 5

Refer to the exhibit.



```
ASA# packet-tracer input inside tcp 10.0.0.1 1024 172.26.1.200 23
```

```
Phase: 1
```

```
Type: FLOW-LOOKUP
```

```
Subtype:
```

```
Result: ALLOW
```

```
Config:
```

```
Additional Information:
```

```
Found no matching flow, creating a new flow
```

```
Phase: 2
```

```
Type: ROUTE-LOOKUP
```

```
Subtype: input
```

```
Result: ALLOW
```

```
Config:
```

```
Additional Information:
```

```
in 0.0.0.0 0.0.0.0 outside
```

```
Phase: 3
```

```
Type: ACCESS-LIST
```

```
Subtype: log
```

```
Result: DROP
```

```
Config:
```

```
access-group DENY_OUT in interface inside
```

```
access-list DENY_OUT extended deny ip any any
```

```
Additional Information:
```

```
Result:
```

```
input-interface: inside
```

```
input-status: up
```

```
input-line-status: up
```

```
output-interface: outside
```

```
output-status: up
```

```
output-line-status: up
```

```
Action: drop
```

```
Drop-reason: (acl-drop) Flow is denied by configured rule
```

Which statement about the Telnet session from 10.0.0.1 to 172.26.1.200 is true?

- A. The Telnet session should be successful.
- B. The Telnet session should fail because the route lookup to the destination fails.
- C. The Telnet session should fail because the inside interface inbound access list will block it.
- D. The Telnet session should fail because no matching flow was found.
- E. The Telnet session should fail because inside NAT has not been configured.

Correct Answer: C



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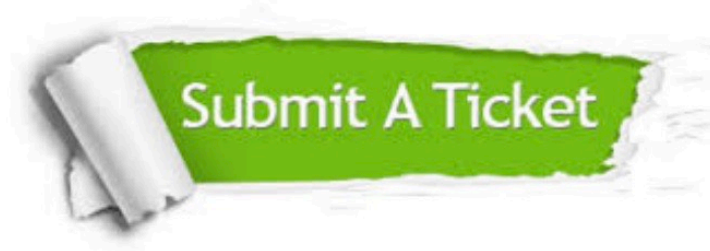
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