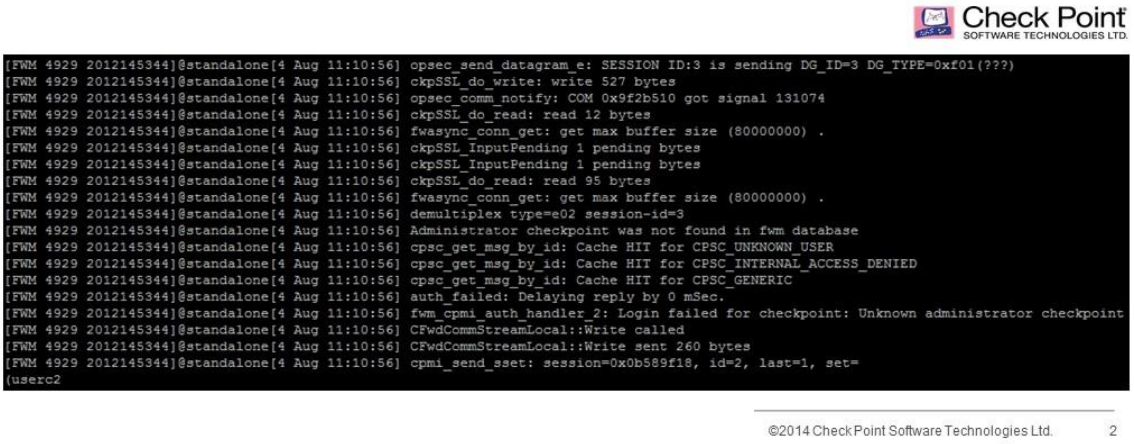
Vendor: Check Point

Exam Code: 156-115.77

Exam Name: Check Point Certified Security Maste

Version: DEMO

QUESTION 1
The user tried to connect in SmartDashboard and did not work.
You started a FWM debug and receive the logs below:



What is the error cause?

A. IP not defined in $FWDIR/conf/gui-clients
B. Wrong user and password
C. Wrong password
D. Wrong user

Answer: D

QUESTION 2
When troubleshooting and trying to understand which chain is causing a problem on the Security Gateway, you should use the command:

A. fw ctl zdebug drop
B. fw tab -t connections
C. fw monitor -e "accept;" -p all
D. fw ctl chain

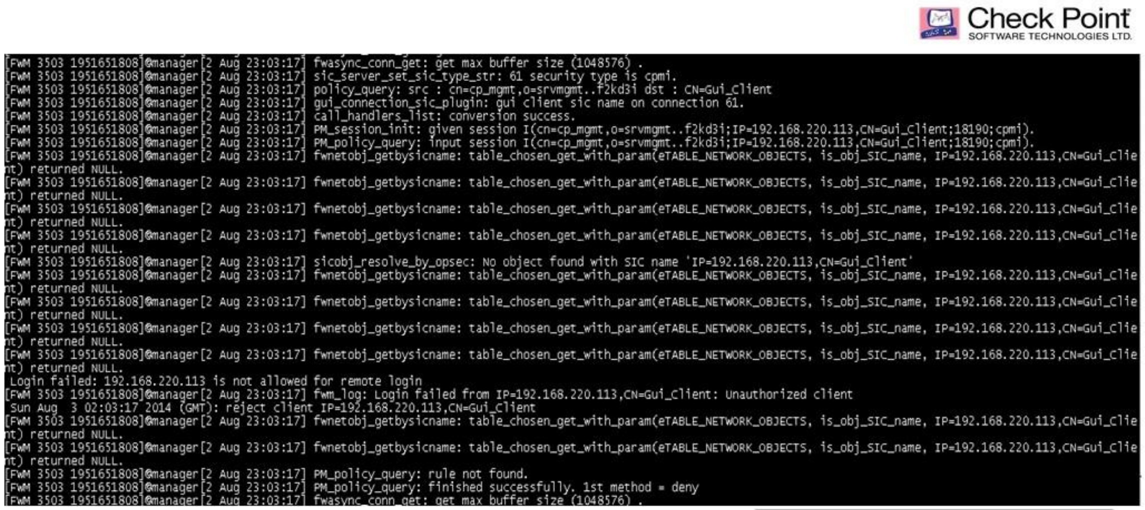
Answer: C

QUESTION 3
Which process should you debug when SmartDashboard authentication is rejected?

A. fwm
B. cpd
C. fwd
D. DAService

Answer: A

QUESTION 4
A fwm debug provides the following output. What prevents the customer from logging into SmartDashboard?



```
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwasync_conn_get: get max buffer size (1048576) .
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] sic_server_set_sic_type_str: 61 security type is cpmi.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] policy_query: src : cn=cp_mgmt,o=srvmgmt..f2kd3i dst : CN=Gui_Client
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] gui_connection_sic_plugin: gui client sic name on connection 61.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] call_handlers_list: conversion success.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] PM_session_init: given session I(cn=cp_mgmt,o=srvmgmt..f2kd3i;IP=192.168.220.113,CN=Gui_Client;18190;cpmi).
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] PM_policy_query: input session I(cn=cp_mgmt,o=srvmgmt..f2kd3i;IP=192.168.220.113,CN=Gui_Client;18190;cpmi).
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] sicobj_resolve_by_opsec: No object found with SIC name 'IP=192.168.220.113,CN=Gui_Client'
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
 Login failed: 192.168.220.113 is not allowed for remote login
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwm_log: Login failed from IP=192.168.220.113,CN=Gui_Client: Unauthorized client
 Sun Aug  3 02:03:17 2014 (GMT): reject client IP=192.168.220.113,CN=Gui_Client
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwnetobj_getbysicname: table_chosen_get_with_param(eTABLE_NETWORK_OBJECTS, is_obj_SIC_name, IP=192.168.220.113,CN=Gui_Clie
nt) returned NULL.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] PM_policy_query: rule not found.
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] PM_policy_query: finished successfully. 1st method = deny
[FWM 3503 1951651808]@manager[2 Aug 23:03:17] fwasync_conn_get: get max buffer size (1048576) .
```

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A. There are not any policy to login in SmartDashboard
B. FWM process is crashed and returned null to access
C. User and password are incorrect
D. IP not defined in $FWDIR/conf/gui-clients

Answer: D

QUESTION 5
When performing a fwm debug, to which directory are the logs written?

A. $FWDIR/log
B. $FWDIR/log/fwm.elg
C. $FWDIR/conf/fwm.elg
D. $CPDIR/log/fwm.elg

Answer: B

QUESTION 6
You are attempting to establish an FTP session between your computer and a remote server, but it is not being completed successfully. You think the issue may be due to IPS. Viewing SmartView Tracker shows no drops. How would you confirm if the traffic is actually being dropped by the gateway?

A. Search the connections table for that connection.
B. Run a fw monitor packet capture on the gateway.
C. Look in SmartView Monitor for that connection to see why it's being dropped.
D. Run fw ctl zdebug drop on the gateway.

Answer: D

QUESTION 7
The fw tab -t ___________ command displays the NAT table.

A. loglist
B. tablist
C. fwx_alloc
D. conns

Answer: C

QUESTION 8
While troubleshooting a DHCP relay issue, you run a fw ctl zdebug drop and see the following output:

```
;[cpu_1];[fw_0];fw_log_drop: Packet proto=17 10.216.14.108:67 >
172.31.2.1:67 dropped by fw_handle_first_packet Reason:
fwconn_init_links (INBOUND) failed;
```

Where 10.216.14.108 is the IP address of the DHCP server and 172.31.2.1 is the VIP of the Cluster. What is the most likely cause of this drop?

A. An inbound collision due to a connections table check on pre-existing connections.
B. An outbound collision due to a Rule Base check, and dropped by incorrectly configuring DHCP in the firewall policy.
C. A link collision due to more than one NAT symbolic link being created for outgoing connections to the DHCP server.
D. A link collision due to more than one NAT symbolic link being created for connections returning from the DHCP server back to the VIP of the Cluster.

Answer: D

QUESTION 9
You are trying to troubleshoot a NAT issue on your network, and you use a kernel debug to verify a connection is correctly translated to its NAT address. What flags should you use for the kernel debug?

A. fw ctl debug -m fw + conn drop nat vm xlate xltrc
B. fw ctl debug -m fw + conn drop ld
C. fw ctl debug -m nat + conn drop nat xlate xltrc
D. fw ctl debug -m nat + conn drop fw xlate xltrc

Answer: A

QUESTION 10
Since switching your network to ISP redundancy you find that your outgoing static NAT connections are failing. You use the command _____ to debug the issue.

A. fwaccel stats misp
B. fw ctl pstat
C. fw ctl debug -m fw + nat drop
D. fw tab -t fwx_alloc -x

Answer: C

QUESTION 11
Remote VPN clients can initiate connections with internal hosts, but internal hosts are unable to initiate connections with the remote VPN clients, even though the policy is configured to allow it. You think that this is caused by NAT. What command can you run to see if NAT is occurring on a packet?

A. fw tab -t fwx_alloc -x
B. fw ctl pstat
C. fwaccel stats misp
D. fw ctl debug -m fw + conn drop packet xlate xltrc nat

Answer: D

QUESTION 12
Where in a fw monitor output would you see source address translation occur in cases of automatic Hide NAT?

A. Between the "I" and "o"
B. Hide NAT does not adjust the source IP
C. Between the "o" and "O"
D. Between the "i" and "I"

Answer: C

QUESTION 13
Where in a fw monitor output would you see destination address translation occur in cases of inbound automatic static NAT?

A. Static NAT does not adjust the destination IP
B. Between the "i" and "I"
C. Between the "I" and "o"
D. Between the "o" and "O"

Answer: B

QUESTION 14
Which flag in the fw monitor command is used to print the position of the kernel chain?

A. -all
B. -k
C. -c
D. -p

Answer: D

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