

عافدب ةصاخلا TCP لاصتا تامالع ريسفت (هؤاهنإو لاصتال عيمجت) FirePOWER ديدت

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ةمدقمل

نع عافدلا" لالخ نم اهحالصإو TCP تالاصتا ءاطخأ فاشكتسأ ةيفيك دنتسمل اذه حضوي
ت (FTD) FirePOWER ديدت.

ةيساسألا تابلطتمل

تابلطتمل

ةيلال عيضاوملاب ةفرعم كيديل نوكت ناب Cisco ي صوت:

- TCP لاصتا لوكوتوربب ةيساسأ ةفرعم
- FTD ب ةصاخلا (CLI) رماوأل رطس ةهجاوب ةيساسأ ةفرعم

ةمدختسمل تانوكمل

ةنيعم ةيدام تانوكموجمارب تارادصإ يلع دنتسمل اذه رصتقي ال

ةصاخ ةيلمعم ةئييب يف ةدوجوملا ةزهجال نم دنتسمل اذه يف ةدراول تامولعمل اشنإ مت
تناك اذإ. (يضارتفا) حوسمم نيوكتب دنتسمل اذه يف ةمدختسمل ةزهجال عيمجت ادب
رما يال لمتمحمل ريثأتلل كمهف نم دكأتف، ليغشتلا ديقت كتكبش

اهحالصإو TCP تالاصتا ءاطخأ فاشكتسأ

ةضورعمل لاصتال تامالع رفوت، FTD لالخ نم اهحالصإو TCP تالاصتا ءاطخأ فاشكتسأ دنع
هذه مإدختسإ نكمي. FTD لالخ نم TCP تالاصتا ةلاح لوح تامولعمل نم ةورث لاصتا لكل
نكاما يف ةدوجوملا لكاشملا لىل ةفاضلاب، اهحالصإو FTD ءاطخأ فاشكتسال تامولعمل
ةكبشلا يف رخأ.

Disclaimer: The information in this document was created based on FTD devices on version 7.0 in
a specific lab environment. All of the devices used in this document started with a cleared
(default) configuration. If your network is live, ensure that you understand the potential

impact of any command.

جارخإلإ دم تعي show conn في ةهجاوإلأ رمأ نإف، 0 نامأ يوتسم يلع يوتحت FTD تاهجاو عي مچ نأ امب
يساسألأ ماظنلأ ةهجاو مقر تاذ ةهجاوإلأ ضرع متي، صوصخلأ هجوي لعو. ةهجاوإلأ مقر يلع
الوأ يلعألأ (VPIF) يره اظلال.

Disclaimer : The **show conn** output can be too long, hence it is recommended to use 'terminal
pager' or write into a file saved in disk0: such as 'show conn | redirect filename.txt'

```
firepower# show conn
```

```
3 in use, 22 most used
```

```
Inspect Snort:
```

```
preserve-connection: 3 enabled, 0 in effect, 22 most enabled, 0 most in effect
```

```
TCP ISP2 192.168.50.14:35518 Inside 192.168.45.130:22, idle 0:10:00, bytes 7164, flags UIO N1
```

```
TCP ISP2 192.168.50.14:80 Inside 192.168.45.130:54554, idle 0:00:13, bytes 0, flags U N1
```

```
TCP Inside 192.168.45.130:34070 ISP1 10.31.104.78:3128, idle 0:00:02, bytes 1187822, flags UIO  
N1
```

show interface detail erasecat4000_flash:. نم جاتنإلأ نم ةميقي VPIF نراقلأ تيأر عي طتسي تنأ

```
firepower# show interface detail | i Interface number is|Interface
```

```
Interface GigabitEthernet0/0 "ISP1", is up, line protocol is up
```

```
Control Point Interface States:
```

```
Interface number is 3
```

```
Interface config status is active
```

```
Interface state is active
```

```
Interface GigabitEthernet0/1 "Inside", is up, line protocol is up
```

```
Control Point Interface States:
```

```
Interface number is 4
```

```
Interface config status is active
```

```
Interface state is active
```

```
Interface GigabitEthernet0/2 "DMZ", is up, line protocol is up
```

```
Control Point Interface States:
```

```
Interface number is 5
```

```
Interface config status is active
```

```
Interface state is active
```

```
Interface GigabitEthernet0/3 "ISP2", is up, line protocol is up
```

```
Control Point Interface States:
```

```
Interface number is 6
```

```
Interface config status is active
```

```
Interface state is active
```

بيجتسم ل وئداب ل ل و ح لي صافات رم أوألأ رفوت detail show conn و long show conn رمألأ ضرعي
لأصتألأ.

```
firepower# show conn long
```

```
3 in use, 22 most used
```

```
Inspect Snort:
```

```
preserve-connection: 3 enabled, 0 in effect, 22 most enabled, 0 most in effect
```

```
Flags: A - awaiting responder ACK to SYN, a - awaiting initiator ACK to SYN,
```

```
B - TCP probe for server certificate,
```

```
b - TCP state-bypass or nailed,
```

```
C - CTIQBE media, c - cluster centralized,
```

```
D - DNS, d - dump, E - outside back connection, e - semi-distributed,
```

```
F - initiator FIN, f - responder FIN,
```

```
G - group, g - MGCP, H - H.323, h - H.225.0, I - initiator data,
```

```
i - incomplete, J - GTP, j - GTP data, K - GTP t3-response
```

k - Skinny media, L - decap tunnel, M - SMTP data, m - SIP media
N - inspected by Snort (1 - preserve-connection enabled, 2 - preserve-connection in effect)
n - GUP, O - responder data, o - offloaded,
P - inside back connection, p - passenger flow
q - SQL*Net data, R - initiator acknowledged FIN,
R - UDP SUNRPC, r - responder acknowledged FIN,
T - SIP, t - SIP transient, U - up,
V - VPN orphan, v - M3UA W - WAAS,
w - secondary domain backup,
X - inspected by service module,
x - per session, Y - director stub flow, y - backup stub flow,
Z - Scansafe redirection, z - forwarding stub flow

TCP ISP2: 192.168.50.14/35518 (192.168.50.14/35518) Inside: 192.168.45.130/22
(192.168.45.130/22), flags UIO N1, idle 9m13s, uptime 9m17s, timeout 1h0m, bytes 7164

Initiator: 192.168.50.14, Responder: 192.168.45.130

Connection lookup keyid: 168317598

TCP ISP2: 192.168.50.14/80 (192.168.50.14/80) Inside: 192.168.45.130/54554
(192.168.45.130/54554), flags U N1, idle 0s, uptime 10s, timeout 1h0m, bytes 0

Initiator: 192.168.45.130, Responder: 192.168.50.14

Connection lookup keyid: 168367034

TCP Inside: 192.168.45.130/34070 (192.168.45.130/34070) ISP1: 10.31.104.78/3128
(10.31.104.78/3128), flags UIO N1, idle 0s, uptime 46s, timeout 1h0m, bytes 617331

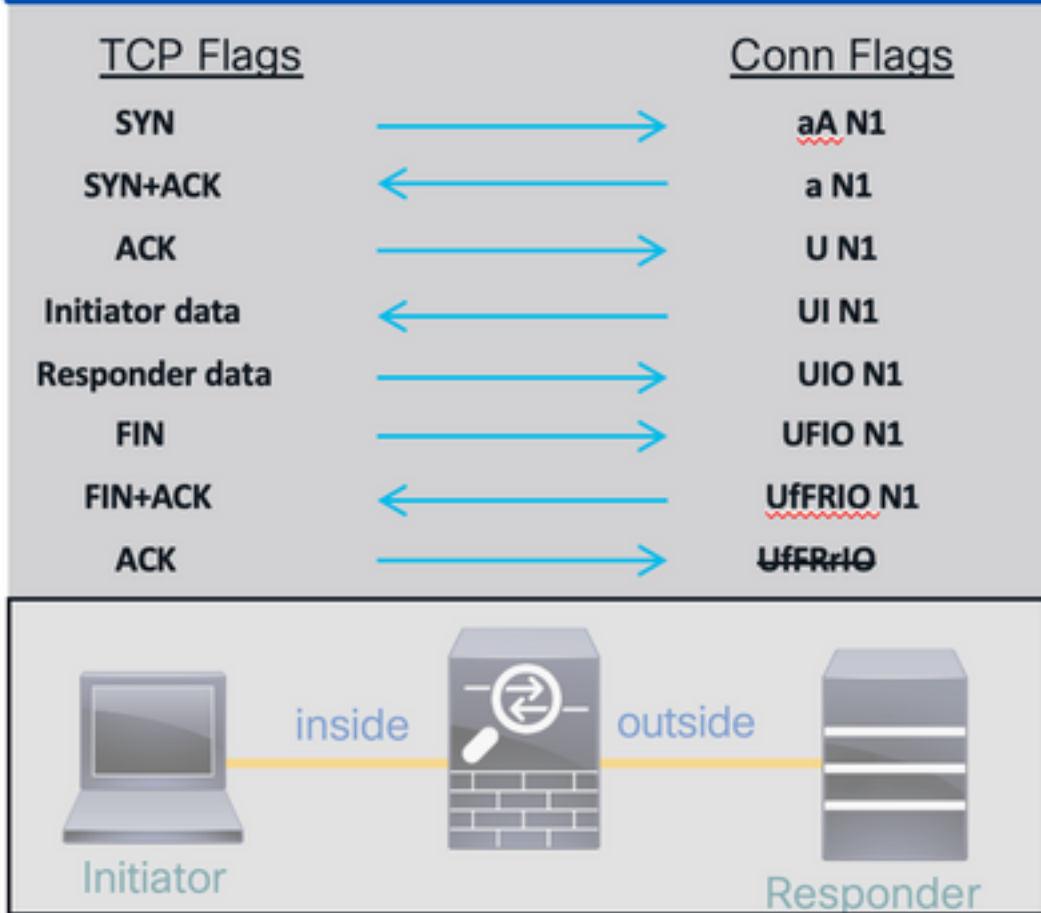
Initiator: 192.168.45.130, Responder: 10.31.104.78

Connection lookup keyid: 168227654

FTD TCP لاصتا تامالع

FTD، TCP لاه زاهج نم ةفلتخم لحارم ي ف FTD TCP لاصتا تامالع لودجلا اذه ضرعي
تايتوسم نأل ارظن ةرداصل او ةدراول تالاصتا اب ةصاخلا اهسفن يه لاصتا تامالع نوكت
FTD لىل **show conn** رمأل مادختساب تامالعلا هذه ةيؤر نكمي. '0' امئاد يه نامأل

TCP Connection



TCP لاصتا ةمالع مرق

ةمزع مالتسا دنع اهتفاضوا اهتلازا متي يتي ال TCP لاصتا تامالع لودجال اذه ضرعي

| Flags REMOVED upon Receipt of Packet | Flag | Description |
|--------------------------------------|------|---|
| [REMOVED] | a | Awaiting Initiator ACK to SYN |
| | A | Awaiting Responder ACK to SYN |
| [ADDED] | U | Up - 3-way Handshake Complete |
| | I | Received Initiator Data |
| | O | Received Responder Data |
| | F | Received Initiator FIN |
| | f | Received Responder FIN |
| | R | Received Initiator ACK to FIN |
| | N1 | Inspected by Snort with preserve-connection enabled |
| | N2 | Inspected by Snort with preserve-connection in effect |

show conn detail رمألا مدختسأ، ام لاصتا يف ةلمتحملا تامالع لافاك ضرعي

firepower# **show conn detail**

1 in use, 22 most used

Inspect Snort:

preserve-connection: 1 enabled, 0 in effect, 22 most enabled, 0 most in effect

Flags: A - awaiting responder ACK to SYN, a - awaiting initiator ACK to SYN,

B - TCP probe for server certificate,

b - TCP state-bypass or nailed,

C - CTIQBE media, c - cluster centralized,

D - DNS, d - dump, E - outside back connection, e - semi-distributed,

F - initiator FIN, f - responder FIN,

G - group, g - MGCP, H - H.323, h - H.225.0, I - initiator data,

i - incomplete, J - GTP, j - GTP data, K - GTP t3-response

k - Skinny media, L - decap tunnel, M - SMTP data, m - SIP media

N - inspected by Snort (1 - preserve-connection enabled, 2 - preserve-connection in effect)

n - GUP, O - responder data, o - offloaded,

P - inside back connection, p - passenger flow

q - SQL*Net data, R - initiator acknowledged FIN,

R - UDP SUNRPC, r - responder acknowledged FIN,

T - SIP, t - SIP transient, U - up,

V - VPN orphan, v - M3UA W - WAAS,

w - secondary domain backup,

X - inspected by service module,

x - per session, Y - director stub flow, y - backup stub flow,

Z - Scansafe redirection, z - forwarding stub flow

ةمچرتل هذه لوج

ةللأل تاي نقتلل نم ةومچم مادختساب دن تسملل اذه Cisco تچرت
ملاعلاء انء عيچ ي ف ني مدختسملل معد يوتحم مي دقتل ةيرشبل او
امك ةقيقد نوك ت نل ةللأل ةمچرت لصف أن ةظحال م يچري. ةصاخل مه تبل ب
Cisco ي لخت. فرتحم مچرت م اهم دقي ي تلل ةي فارتحال ةمچرتلل عم لالحل وه
ىل إأمئاد عوچرلاب ي صؤت و تامچرتلل هذه ةقد نع اهتيل وئسم Cisco
Systems (رفوتم طبارلل) ي لصلأل يزي لچن إلل دن تسملل