

مادختساب FTD لىل DHCP IPv4 زج نىوكت FlexConfig

تايوتحمل

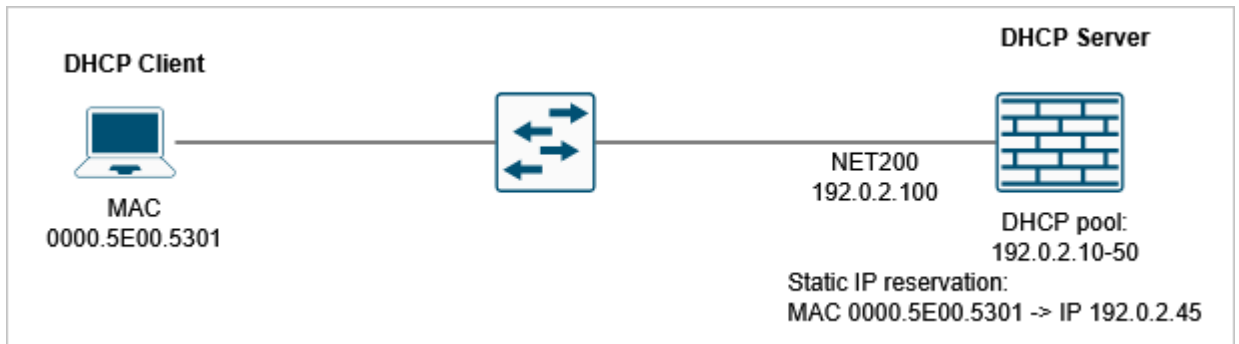
ةلأسم

- لمع ةطحمل DHCP مداخك (FTD) ةيامحل رادج ديدت نع عافدل زاهج نىوكت لوؤسملا ديري ةياهن ةطقن زاهج DHCP ناوع زج دادعإو.
- ةيامحل رادج ةرادإ زكرم يي عيبط لكشب FTD ل DHCP مداخ نىوكت نىوكتلا نمضتي DHCP لوكتوربل IP زج ةفاضل FlexConfig مادختساو (FMC).

ةئيبلا

- ىرخألا جماربلا تارادصإ رثأت امك 10.x رادصلال، ةيامحل رادج ديدت دض عافدلا
- ىرخألا جماربلا تارادصإ رثأت امك 10.x (FMC) ةيامحل نارج ةرادإ زكرم

ططحمل



يلي ام ةدحمل DHCP ةئيب نمضتت

- NET200 يه DHCP مداخ ةهجاو

• 50 - 192.0.2.10 وه DHCP مداخل عمجت

• هذهل IP 192.0.2.45 ناونع زجح وه فدهل. MAC 0000.5E00.5301 ناونع ب ةياهنللا ةطقن زاهج ةيفرطللا ةطقنللا.

رارق

DHCP مداخل نيوكت

FTD Interface NET200: ىلع 50 - 192.0.2.10 عمجتلا نيوكت مت

The screenshot displays the Cisco Firewall Management Center (FMC) interface for device FTD220-HA. The 'DHCP' configuration page is active, showing settings for a DHCP Server. The 'Interface' is set to NET200. The 'Address Pool' is configured as 192.0.2.10-192.0.2.50. The 'Enable DHCP Server' checkbox is checked. An 'Edit Server' dialog box is open, showing the same configuration details.

FlexConfig نيوكت

FlexConfig مداخلتسأ، DHCP ب صاخلا IP ناونع زجح ةبس نلاب

• "ONCE". ىل ع نڤي عت :رشن لال عون

• "Prepend". مادختسا اضا نكمي و. (ريصقت لال وه اذه) "قاحل" لى لتت بث :نڤوكت لال عون

Edit FlexConfig Object

Name: DHCP_IP_Reservation

Description: DHCP IPv4 Reservations

⚠ Copy-pasting any rich text might introduce line breaks while generating CLI. Please verify the CLI before deployment.

Insert | Deployment: Once | Type: Append

```
dhcpd reserve-address 192.0.2.45 0000.5E00.5301 NET200
```

نڤوكت لال ةحص نم ققحت لال

:هرشن مت يذال نڤوكت لال

<#root>

device#

show run dhcpd

```
dhcpd address 192.0.2.10-192.0.2.50 NET200
dhcpd enable NET200
dhcpd reserve-address 192.0.2.45 0000.5E00.5301 NET200
```

ةي فلخال ةيلمع

:ةي لال رماوالا مدختست DHCP مزح طاققت لال

<#root>

device#

```
capture CAPI interface NET200 match udp any any eq bootpc
```

```
device#
```

```
capture CAPI interface NET200 match udp any any eq bootps
```

- 68. UDP ذفنم ىلع DHCP ليمع عم تسي
- 67. UDP ذفنم ىلع DHCP م داخ عم تسي

DHCP: ءاطخأ حي حصت

<#root>

```
device#
```

```
debug dhcpd event 255
```

```
debug dhcpd event enabled at level 255  
device#
```

```
debug dhcpd packet 255
```

```
debug dhcpd packet enabled at level 255
```

! رذب ءاطخأال حي حصت مدختسأ: ةظحالم

IP: ناونع نييعت ءانثأ ءاطخأال حي حصت جارخا

<#root>

```
DHCPD/RA: Server msg received, fip=ANY, fport=0 on NET200 interface  
DHCPD:
```

```
DHCPDISCOVER received from client 0100.5056.885f.d1 on interface NET200.
```

```
DHCPD:IP 248.57.222.26 ARP entry removed from the cache  
DHCPD: send ping pkt to 192.0.2.45  
DHCPD: ping got no response for ip: 192.0.2.45  
DHCPD:
```

```
MAC 0000.5E00.5301 is reserved for IP 192.0.2.45, allocating it
```

DHCPD: Add binding 192.0.2.45 to radix tree
DHCPD/RA: Binding successfully added to hash table
dhcpd_create_automatic_binding() adding NP rule for client 192.0.2.45
DHCPD:

assigned IP address 192.0.2.45 to client 0100.5056.885f.d1.

DHCPD:

Sending DHCPPOFFER to client 0100.5056.885f.d1 (192.0.2.45).

DHCPD: Total # of raw options copied to outgoing DHCP message is 0.
DHCPD/RA: creating ARP entry (192.0.2.45, 0000.5E00.5301).
DHCPD: unicasting BOOTREPLY to client 0000.5E00.5301(192.0.2.45).
DHCPD/RA: Server msg received, fip=ANY, fport=0 on NET200 interface
DHCPD: DHCPDISCOVER received from client 0100.5056.885f.d1 on interface NET200.
DHCPD: Sending DHCPPOFFER to client 0100.5056.885f.d1 (192.0.2.45).
DHCPD: Total # of raw options copied to outgoing DHCP message is 0.
DHCPD/RA: creating ARP entry (192.0.2.45, 0000.5E00.5301).
DHCPD: unicasting BOOTREPLY to client 0000.5E00.5301(192.0.2.45).
DHCPD/RA: Server msg received, fip=ANY, fport=0 on NET200 interface
DHCPD: DHCPDISCOVER received from client 0100.5056.885f.d1 on interface NET200.
DHCPD: Sending DHCPPOFFER to client 0100.5056.885f.d1 (192.0.2.45).
DHCPD: Total # of raw options copied to outgoing DHCP message is 0.
DHCPD/RA: creating ARP entry (192.0.2.45, 0000.5E00.5301).
DHCPD: unicasting BOOTREPLY to client 0000.5E00.5301(192.0.2.45).
DHCPD/RA: Server msg received, fip=ANY, fport=0 on NET200 interface
DHCPD: DHCPREQUEST received from client 0100.5056.885f.d1.
DHCPD: Extracting client address from the message
DHCPD: State = DHCP_REBOOTING
DHCPD: State = DHCP_REQUESTING
DHCPD: Client 0100.5056.885f.d1 specified it's address 192.0.2.45
DHCPD: Client is on the correct network
DHCPD:

Client accepted our offer

DHCPD:

Client and server agree on address 192.0.2.45

DHCPD: Renewing client 0100.5056.885f.d1 lease
DHCPD: Client lease can be renewed
DHCPD: Sending DHCPACK to client 0100.5056.885f.d1 (192.0.2.45).
DHCPD: Including FQDN option name 'DESKTOP-VQ7968K' rcode1=0, rcode2=0 flags=0x0
DHCPD: Total # of raw options copied to outgoing DHCP message is 0.
DHCPD/RA: creating ARP entry (192.0.2.45, 0000.5E00.5301).
DHCPD: unicasting BOOTREPLY to client 0000.5E00.5301(192.0.2.45).

DHCP: طبر نم ققحتلا

ةمچرتل هذه لوج

ةللأل تاي نقتل نمة ومة مادختساب دن تسمل اذة Cisco تمةرت
ملاعلاء انء مء مء نمة دختسمل معد و تمة مء دقتل ةر شبل او
امك ةق قء نوك ت نل ةللأل ةمچرت لصف أن ةظحال مء ءرء. ةصاأل مء تءل ب
Cisco ةللخت. فرتمة مچرت مء دقء ةللأل ةل فارتحال ةمچرتل عم لاعل او
ىل إأمءءاد ءوچرلاب ةصوء و تامةرتل هذه ةقء نء اهءل وئس م Cisco
Systems (رفوتم طبارل) ةل صأل ةل ءل ءن إل دن تسمل