

عيجم ؛ " اهال صإو SMF ءاطخأ فاشك تسأ ؛" بوطعم ءارظنلا

تايوت حمل ا

[عم دق مل ا](#)

[قلك ش مل ا](#)

[ل لحت](#)

[ءارظنلا ءفاك ءافو ل لحت](#)

[SMF تاصو ف](#)

[تاكيش ان افارغ](#)

[Nexus تاكيش](#)

[ل حل ا](#)

عم دق مل ا

All اهال صإو (SMF) ءسل ل حل ا ءراد ا ءفيظو ل لحت ءاطخأ فاشك تسأ ءي فيك دن ت س مل ا اذ ه ح ض و ي
Peers are Dead, Setting status code to 0.

قلك ش مل ا

SMF ل لعت ءسل ل حل ا ريثأت نع غالب ال ا م ت

ل لحت

ءارظنلا ءفاك ءافو ل لحت

اوتام دق SelectedProfileName:CHF-Off ل خاد ءارظنلا ءفاك ن ا ل ل حل ا ر ل ش ي

نارقال لك ه ي ف رت تقو ي ا ي فو ، SMF ل لعت ءنو ك مل ا ءي ا ه ن لا طاقن عيجم ل ل حل ا ي ط غ ي
ءسل ل حل ا ريثأت ل ا م ئاد اذ ه ءو ي في رعت ل ا ف لم ل خاد بوطعم

<#root>

```
master-1 b26897bce81a[2516]:  
master-1 c77834f772f7[2516]: ***** TRANSACTION: 2475167152 *****  
master-1 c77834f772f7[2516]: ***** TRANSACTION: 2475167152 *****  
master-1 c77834f772f7[2516]: TRANSACTION SUCCESS:  
master-1 c77834f772f7[2516]: TRANSACTION SUCCESS:  
master-1 c77834f772f7[2516]: GR Instance ID : 1  
master-1 c77834f772f7[2516]: GR Instance ID : 1  
master-1 c77834f772f7[2516]: Txn Type : N40ChargingDataReq(3585)  
master-1 c77834f772f7[2516]: Txn Type : N40ChargingDataReq(3585)  
master-1 c77834f772f7[2516]: Priority : 1
```

```
master-1 c77834f772f7[2516]: Priority : 1
master-1 c77834f772f7[2516]: Session Namespace : smf(1)
master-1 c77834f772f7[2516]: Session Namespace : smf(1)
master-1 c77834f772f7[2516]: CDL Slice Name : smf
master-1 c77834f772f7[2516]: CDL Slice Name : smf
master-1 c77834f772f7[2516]: LOG MESSAGES:
master-1 c77834f772f7[2516]: LOG MESSAGES:
master-1 c77834f772f7[2516]: 2023/09/10 15:00:00.007 [ERROR] [nrfClient.Discovery.nrf]
```

All Peers are Dead, Setting status code to 0

(timeout)

```
master-1 c77834f772f7[2516]: 2023/09/10 15:00:00.007 [ERROR] [nrfClient.Discovery.nrf]
```

All Peers are Dead, Setting status code to 0

(timeout)

```
master-1 c77834f772f7[2516]: 2023/09/10 15:00:00.007 [ERROR] [nrfClient.Discovery.nrf] Message send fai
master-1 c77834f772f7[2516]: 2023/09/10 15:00:00.007 [ERROR] [nrfClient.Discovery.nrf] Message send fai
master-1 c77834f772f7[2516]: *****
master-1 c77834f772f7[2516]: *****
```

دوجو ةلاح يف ىلع ةيولوأب ىساسألا مداخل ال لوصول SMF لواحى، نيوكتلا ال لادانتسا
كلكل شفى نإ. يوناتل مداخل ال لوصول SMF لواحى م، (ةلهملا) HTTP code 504 ماظن
بولسأ رارمتس ةلاح يف ةسلج تبتى اضيا ماظن ةلاح لكلت يف اضيا

504 أطخال SMF ىقلت 10.10.10.2 يه Offline ل (CHF) ةيوناتل نحشلا ةفيظو، لاثملا يف
FailureContinueAction وه ءارجلاو

<#root>

```
master-2 42013075464a[2621]: 2023/09/10 15:00:00.063 rest-ep [ERROR] [RestClient.go:175] [infra.rest_c
master-2 42013075464a[2621]: 2023/09/10 15:00:00.063 rest-ep [ERROR] [Config.go:1721] [nrfClient.Discov
master-2 42013075464a[2621]: ***** TRANSACTION: 2252879781 *****
master-2 42013075464a[2621]: TRANSACTION SUCCESS:
master-2 42013075464a[2621]: GR Instance ID : 1
master-2 42013075464a[2621]: Txn Type : N40ChargingDataReq(3521)
master-2 42013075464a[2621]: Priority : 1
master-2 42013075464a[2621]: Session Namespace : smf(1)
master-2 42013075464a[2621]: CDL Slice Name : smf
master-2 42013075464a[2621]: LOG MESSAGES:
master-2 42013075464a[2621]: 2023/09/10 15:00:00.063 [ERROR] [rest_ep.app.ChargingIntf] {imsi-123456789
master-2 42013075464a[2621]: 2023/09/10 15:00:00.063 [ERROR] [nrfClient.SendMesg.NRF] FHI status
```

504

```
timediff 1000332537, Uri: http://10.10.10.2:1090/OFFLINE/nchf-convergedcharging/v2, retryCount = 0 loo
master-2 42013075464a[2621]: 2023/09/10 15:00:00.063 [ERROR] [nrfClient.Discovery.nrf] Message send fai
master-2 42013075464a[2621]: *****
```

SMF تاصوحف

تغلبأ يتلا ةياهنلا ةطقن بقلعتي امي ف مهب لصتملا تقولاو نارقألا نم ققحت، SMF يف
ةلكشمل نع

```
smf# show peers
```

```
GR
INSTANCE  ENDPOINT      LOCAL ADDRESS      PEER ADDRESS      DIRECTION  POD
          ENDPOINT  INSTANCE          TYPE              TIME
-----
1         <none>        192.168.1.1       10.10.10.2:1090   Outbound   rest-ep-0  Rest  4 hour
1         <none>        192.168.1.2       10.10.10.2:1090   Outbound   rest-ep-1  Rest  4 hour
1         <none>        192.168.1.3       10.10.10.1:1090   Outbound   rest-ep-2  Rest  4 hours
1         <none>        192.168.1.3       10.10.10.2:1090   Outbound   rest-ep-2  Rest  4 hour
1         <none>        192.168.1.4       10.10.10.1:1090   Outbound   rest-ep-3  Rest  4 hours
1         <none>        192.168.1.2       10.10.10.1:1090   Outbound   rest-ep-1  Rest  4 hours
1         <none>        192.168.1.4       10.10.10.2:1090   Outbound   rest-ep-3  Rest  2 hour
1         <none>        192.168.1.1       10.10.10.1:1090   Outbound   rest-ep-0  Rest  4 hours
```

```
// CHF related profiles
```

```
profile network-element chf CHF-OFFLINE
  nf-client-profile      CHF-OFF
  failure-handling-profile Fail-H-CHF-OFF
  discovery local
exit
```

```
// Here is configuration for CHF profile where all peers are dead
```

```
profile nf-client nf-type chf
  chf-profile CHF-OFF
  locality LOC1
  priority 1
  service name type nchf-convergedcharging
  responsetimeout 1000
  endpoint-profile epprof
  capacity 10
  api-root OFFLINE
  uri-scheme http
  version
  uri-version v2
  exit
  exit
  endpoint-name ep1
  priority 1
  capacity 10
  primary ip-address ipv4 10.10.10.1
  primary ip-address port 1090
  exit
  endpoint-name ep2
  priority 2
  capacity 10
  primary ip-address ipv4 10.10.10.2
  primary ip-address port 1090
  exit
  exit
  exit
  exit
```

```
// Failure handling that in case of timeout (HTTP code 504) then try secondary server one time and then
```

```
profile nf-client-failure nf-type chf
  profile failure-handling Fail-H-CHF-OFF
```

```

service name type nchf-convergedcharging
  responsetimeout 1000
  message type ChfConvergedchargingCreate
    status-code httpv2 504
    retry 1
    action continue
  exit
exit
message type ChfConvergedchargingUpdate
  status-code httpv2 504
  retry 1
  action continue
  exit
exit
message type ChfConvergedchargingDelete
  status-code httpv2 504
  retry 1
  action continue
  exit
exit
exit

```

انفارغ تاكيش

رادصلإا تقوو 504 HTTP ةلهم ني ب رشابملا طابترالا ةطحال م تمت

query: sum(increase(smf_restep_http_msg_total{nf_type="chf", namespace=~"\$namespace"}[15m])) by (api_name)



Nexus تاكيش

تازفق يأ دوجو نم ققحت

Nexus# show logging last 500 | include BFD

لحل

مداخله و CHF و ليمعلا و SMF نأل ةلأله هذه في ةلكشملا هذه لفلتخي

SMF ببسب لاصتالا نادقف نكي مل

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن مة و مچم مادختساب دن تسمل اذ ه Cisco ت مچرت
ملاعلاء ان ا عي مچ ي ف ن ي م دخت سمل ل م عد ي و ت ح م م ي د ق ت ل ي ر ش ب ل و
امك ة ق ي ق د ن و ك ت ن ل ي ل أ ة مچرت ل ض ف أ ن أ ة ظ ح ال م ي ج ر ي . ة ص ا خ ل م ه ت غ ل ب
Cisco ي ل خ ت . ف ر ت ح م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ال ا ة مچرت ل ا ع م ل ا ح ل و ه
ي ل ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا ه ذ ه ق د ن ع ا ه ت ي ل و ئ س م Cisco
Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص أ ل ا ي ز ي ل ج ن ا ل ا دن تسمل ا