

اهحال صا و ديصال تا و م جم عا ط خ أ فاش ك ت س أ CUCME ى ل ع

تا ي و ت ح م ل ا

[ق م د ق م ل ا](#)

[ق ي س ا س ا ت ا م و ل ع م](#)

[ه ت ل ل ا ز ا و ا ت ا م ل ل ا ك م ه ي ج و ت ق ع و م ج م ن م ق ح ل م ق ح ل م ع ف ا ض ا](#)

[ث ح ب ل ا ت ا ي ل م ع ق ع و م ج م ن م ج و ر خ ل ا ل ي ج س ت ق ح ل م ل ا ي ل ع ر ذ ع ت ي](#)

[ث ح ب ل ا ق ع و م ج م ن م ق ح ل م ل ا ج و ر خ ل ي ج س ت م ت](#)

[ف ت ا و ه ل S C C P](#)

[ف ت ا و ه ل S I P](#)

ق م د ق م ل ا

Cisco Unified Communications Manager Express (CUCME) ي ف ا ه ح ا ل ص ا و د ي ص ل ا ت ا و م ج م ع ا ط خ أ ف ا ش ك ت س أ ق ي ف ي ك د ن ت س م ل ا ا ذ ه ح ض و ي (CUCME).

ق ي س ا س ا ت ا م و ل ع م

ق ع و م ج م ي ل ا (ي ب ي ر ج ت م ق ر) د د ح م م ق ر ي ل ا ة د ر ا و ل ا ت ا م ل ل ا ك م ل ا ه ي ج و ت ب د ي ص ل ا ت ا و م ج م ح م س ت د ا د ت م ا ل ا م ا ق ر ا ن م ة د د ح م .

د د ح م و ه ا م ك ل و ا ل ق ح ل م ل ا م ق ر ي ل ا ي ب ي ر ج ت ل ا م ق ر ل ا ن م ة د ر ا و ل ا ت ا م ل ل ا ك م ل ا ه ي ج و ت ة د ا ع ا م ت ي ل ا ة م ل ل ا ك م ل ا ه ي ج و ت ة د ا ع ا م ت ت ، ب ي ج ي ا ل و ا ل و غ ش م ل و ا ل م ق ر ل ا ن ا ك ا ذ ا . ن ي و ك ت ل ا ة ط س ا و ب د و ج و م د ع و ا ل ا غ ش ن ا ل ا ة ل ا ح ي ف ة م ل ل ا ك م ل ا ه ي ج و ت ة د ا ع ا ر م ت س ي . ة م ئ ا ق ل ا ي ف ي ل ا ت ل ا ف ت ا ه ل ا م ق ر ل ا ي ل ا ة م ل ل ا ك م ل ا ل ص ت ي ت ح و ا ه ي ل ع د ر ل ا م ت ي ي ت ح ة م ئ ا ق ل ا ي ف م ق ر ي ل ا م ق ر ن م ة ب ا ج ا ي ئ ا ه ن ل ا م ق ر ل ا ه ن ا ي ل ع ه ف ي ر ع ت م ت ي ذ ل ا .

ه ت ل ل ا ز ا و ا ت ا م ل ل ا ك م ه ي ج و ت ق ع و م ج م ن م ق ح ل م ق ح ل م ع ف ا ض ا

ق ي ل ا ت ل ا ن ي و ك ت ل ا ة و م ج م م د خ ت س أ ، ث ح ب ل ا ق ع و م ج م ن م ه ت ل ل ا ز ا و ا ق ح ل م ق ح ل م ع ف ا ض ا ل :

```
Router#voice hunt-group 35 parallel
```

```
Router#final 097
```

```
Router#list 885,886, <add new DN/ remove DN >
```

```
Router#timeout 30
```

```
Router#statistics collect
```

```
Router#pilot 035
```

```
Router#preference 2 secondary 2
```

ثحب ل تاي لمع ة وومجم نم جورخ ل ليجست قحل ل م ال يل ع رذعتي

نيوكت ة داع و ة عبات م ل ك يل ع ف ، تاءاع دت س ال ة وومجم نم جورخ ل ليجست قحل ل م ال يل ع رذعت اذا
ءاش ن ة داع ن م دك ات . فتاه ال ط ب ص ة داع و يت وصل ل ليجست ال عمجت و ا ي ن ورت ك ل ال فتاه ال
اضي ا نيوكت ال تافل م .

ثحب ل ة وومجم نم قحل ل م ال جورخ ل ليجست م

1. يئاه ن ال مدخت س م ال نم دي صل ال ة وومجم تام ول عم و رث ات م ال قحل ل م ال مقرر عمج .
2. ة ي ل ال تاجر م ال يل ع ل صل و Call Manager Express هجم ال ل لوخل ل ليجست ب م ق .

SCCP فتاوهل

و ا `show ephone-hunt` و `show ephone-hunt summary` ة ي ل ال ضرع ال تاجر م عمج ب م ق . 1 ة و ط خ ل
هذه دي صل ال ة وومجم نم اعزج دعت ي ال ال `ephone-dn's` دي دحت ل `show ephone-hunt <hunt group tag>`

```
Router#show ephone-hunt

Group 1

type: peer

pilot number: 450, peer-tag 20123

list of numbers:

451, aux-number A450A0900, # peers 5, logout 0, down 1

peer-tag dn-tag rna login/logout up/down

[20122 42 0 login up ]

[20121 41 0 login up ]

[20120 40 0 login up ]

[20119 30 0 login up ]

[20118 29 0 login down]

452, aux-number A450A0901, # peers 4, logout 0, down 0

peer-tag dn-tag rna login/logout up/down

[20127 45 0 login up ]

[20126 44 0 login up ]

[20125 43 0 login up ]

[20124 31 0 login up ]

453, aux-number A450A0902, # peers 4, logout 0, down 0

peer-tag dn-tag rna login/logout up/down
```

[20131 48 0 login up]

[20130 47 0 login up]

[20129 46 0 login up]

[20128 32 0 login up]

477, aux-number A450A0903, # peers 1, logout 0, down 0

peer-tag dn-tag rna login/logout up/down

[20132 499 0 login up]

preference: 0

members initial state: logout

preference (sec): 7

timeout: 3, 3, 3, 3

max timeout : 10

hops: 4

next-to-pick: 1

E.164 register: yes

auto logout: no

stat collect: no

Router# show ephone-hunt summary

Group 1

type: peer

pilot number: 5000

list of numbers:

5001

5002

5003

5004

5005

final number: 5006

preference: 0

members initial state: logout

timeout: 180

hops: 2

E.164 register: yes

: نوفي ألات اوه لي صافات عمجا

Router#show ephone | b <Directory Number/ Extension Number>

```
ephone-461[460] Mac:203A.0722.54F3 TCP socket:[67] activeLine:1 whisperLine:0 REGISTERED in SCCP
ver 22/17 max_streams=5
mediaActive:1 whisper_mediaActive:0 startMedia:1 offhook:1 ringing:0 reset:0 reset_sent:0 paging
0 debug:0 caps:9
IP:10.128.182.90 * 51189 7965 keepalive 106099 max_line 6 available_line 3 HuntGroupLogout
button 1: cw:1 ccw:(0 0)
dn 203 number 461 CH1 CONNECTED CH2 IDLE huntGroupLogout
button 2: cw:1 ccw:(0 0)
dn 204 number 461 CH1 IDLE CH2 IDLE
button 3: cw:1 ccw:(0 0)
dn 205 number 461 CH1 IDLE CH2 IDLE
speed dial 1:2548876
speed dial 2:6567710
speed dial 3:6528989
Preferred Codec: g711ulaw
Lpcor Type: none Active Call on DN 203 chan 1 :461 10.128.182.90 22082
to 10.121.128.90 2000 via 10.128.182.90
G729 30 bytes no vad
Tx Pkts 10663 bytes 447846 Rx Pkts 10663 bytes 447846 Lost 0
Jitter 0 Latency 0 callingDn -1 calledDn -1 (media path callID 2799007 srcCallID 2799009)
```

: ديصل الة وعمجم لي صافات عي عمجت

Router#sh ephone-hunt 1

```
Group 1
type: longest-idle
pilot number: 001, peer-tag 20682
list of numbers:
A482, aux-number A001A0000, # peers 1, logout 0, down 0
on-hook time stamp 3334171983, off-hook agents=1
peer-tag dn-tag rna login/logout up/down
[20681 252 0 login up ]
A454, aux-number A001A0001, # peers 1, logout 1, down 1
on-hook time stamp 3334166112, off-hook agents=0
peer-tag dn-tag rna login/logout up/down
[20683 223 0 logout down]
*, aux-number A001A0002, # peers 1, logout 0, down 1
on-hook time stamp 3327356688, off-hook agents=0
peer-tag dn-tag rna login/logout up/down
[20684 0 0 - down]
only one agent available!
preference: 8
preference (sec): 7
members initial state: logout
timeout: 300, 300, 300
max timeout : 10000
description: (Phone Center)
display-logout: Night Service Active
present-call: onhook-phone
hops: 1
E.164 register: yes
auto logout: no
stat collect: no
number of calls in queue: 0
```

```
callqueue display: continuously
debug: no
```

جورخ ليجستب ديفت يوكش كانه تناك اذا وأ، بقعت التا ةعومجم نيوكت ةداعإب مق 2. ةوطخال
فتاهال طبض ةداعإ لواحو (DN) ليلدلا مقر نيوكت دعأف، ةدراطملا ةعومجم نم طقف دحاو فتاه

```
Router#config)#no ephone-dn XYZ //Remove the ephone-dn configuration//
Router#config)#ephone-dn XYZ//Add the ephone-dn back again// Router#(config)#no ephone ABC
//Remove the ephone configuration//
```

```
Router#(config)#ephone ABC //Add the ephone back again, one command at a time//
Router#(config-ephone)# device-security-mode none
Router#(config-ephone)# mac-address AAAA.BBBB.CCCC
Router#(config-ephone)# ephone-template 1
Cannot update the CNF file for phone-ABC with type (0)
```

The ephone template tag has been changed under this ephone,
please execute create cnf-files under telephony-services
and restart or reset ephone to take effect.

```
Router#(config-ephone)# speed-dial 1 YYYYYYYY
Router#(config-ephone)# speed-dial 2 XXXXXXXX
Router#(config-ephone)# speed-dial 3 NNNNNNNN
Router#(config-ephone)# no auto-hold newline
Router#(config-ephone)# type 7965
Router#(config-ephone)# button 1:203 2:204 3:205
Router#(config-ephone)#telephony-service
Router#(config-telephony)#create cnf-files
Creating CNF files
Router#(config-telephony)#end
Router##wr
```

```
Router##show ephone | b -461 //Verify the ephone configuration with the pre-check//
ephone-461[460] Mac:203A.0722.54F3 TCP socket:[67] activeLine:0 whisperLine:0 REGISTERED in SCCP
ver 22/17 max_streams=5
mediaActive:0 whisper_mediaActive:0 startMedia:0 offhook:0 ringing:0 reset:0 reset_sent:0 paging
0 debug:0 caps:9
IP:10.128.182.90 * 50357 7965 keepalive 0 max_line 6 available_line 3
button 1: cw:1 ccw:(0 0)
dn 203 number 461 CH1 IDLE CH2 IDLE
button 2: cw:1 ccw:(0 0)
dn 204 number 461 CH1 IDLE CH2 IDLE
button 3: cw:1 ccw:(0 0)
dn 205 number 461 CH1 IDLE CH2 IDLE
speed dial 1:2548876
speed dial 2:6567710
speed dial 3:6528989
Preferred Codec: g711ulaw
Lpcor Type: none
```

فتاوهل SIP

1. **show voice hunt-group** وأ **show voice hunt-group brief** ةعومجم نم اعزج دعې يذلا ephone-dn دي دحتل **show voice hunt-group <hunt group tag>** وأ ديصلال ديصلال.

```
Router# show voice hunt-groupGroup 1 type: longest-idle preference: 0 preference (sec):
0 timeout: 0 final_number: 1Group 34 type: parallel pilot number: 3, peer-tag
2147483647 secondary number: 4, peer-tag 2147483646 preference: 0 preference (sec): 0
```

timeout: 0 final_number:

```
Router##show voice hunt-group 42
Group 42
type: parallel
pilot number: 042, peer-tag 2147483618
secondary number: 642, peer-tag 2147483617
list of numbers:
Member Used-by State Login/Logout=====
462 462 up login
386 386 up login
885 885 up login
886 886 up login
preference: 2
preference (sec): 2
timeout: 30
final_number: 097
stat collect: yes
phone-display: no
```

2. بقعت الة ومجم نيوك ت اداعا:

```
Router#(config)#no voice hunt-group 42 parallel //Remove the hunt-group config//
```

```
Router#(config)#voice hunt-group 42 parallel //Redo the hunt-group config//
Router#(config-voice-hunt-group)# final 097
Router#(config-voice-hunt-group)# list 461,462,386,885,886
Router#(config-voice-hunt-group)# timeout 30
Router#(config-voice-hunt-group)# statistics collect
Router#(config-voice-hunt-group)# pilot 042 secondary 642
Router#(config-voice-hunt-group)# preference 2 secondary 2
Router#(config-voice-hunt-group)#end
Router##wr
Building configuration...
```

```
Router#show voice hunt-group 42 //Verify the hunt-group config//
Group 42
type: parallel
pilot number: 042, peer-tag 2147483618
secondary number: 642, peer-tag 2147483617
list of numbers:
Member Used-by State Login/Logout
=====
461 461 up login
462 462 up login
386 386 up login
885 885 up login
886 886 up login
preference: 2
preference (sec): 2
timeout: 30
final_number: 097
stat collect: yes
phone-display: no
```

3. حوض ولا ة قد نم ققحت و رابت خال ا تام ل كم ضعب ارجاب مق.

show ePhone #هجوم ال ن نر

وأ

Router#show توصال ل ل س ت ع م ح ت ن نر

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 ةلخت. فرتمة مچرت مء مء دقء ةل ةل ةفارتحال ةمچرتل عم لاعل او
ىل إأمءءاد ءوچرلاب ةصوء و تامةرتل هذه ةقء نء اهءل وئس م Cisco
Systems (رفوتم طبارل) ةلصلأل ةزءل ءنل دن تسمل