

# IP ةنوع عم Cisco Unity Express ةكبش ةرشابملا

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## ةمدقملا

ديرب تالكبشل Cisco Unity Express Voice Mail Profile نيوكتل اجذومن دننسملا اذه مدي  
Cisco CallManager Express عقاوم يه عقاوملا نم نانثا. عقاوم ةعبرأ نيب (VPIM) تنرتنالا  
ةيزكمرلا Cisco CallManager عقاوم دحأ يه مكحتلا تحت نيرخالا نينثالا نأ نيج يه (CME).  
اذه دعبك تكبش ميمصتل Cisco CallManager. وأ ايرصح Cisco CME ككبش نوكت نأ نكمي  
ويرانيس حيتي. كيديل بولطملا رشنلا قباطت يتلا تانيوكتلا لىل عجرا، نيوكتلا  
يوتحي. اهعجم ةعبرألا عقاوملا نيب يتوصلال ديربلل يكبشلا طبرلا ةيناملا نيوكتلا  
ةيلاللا صئاصللا لىل نيوكتلا:

- عجم نم اهيقلتو ةيتوصل لئاسر لاسرلا عقاوملا عجم نكمي - ةعطقتملا ةكبشلا  
ةكبش يه Cisco Unity Express عقوم 500 لىل لصي ام ةئجت نكمي. ىرخالا عقاوملا
- ةنوع مادملا لىل نكمي. ةرشابم IP ةنوع عقاوملا نيب VPIM تالكبش مدمختست  
نيوكتلا لىل نكمي. كلذ رهظي ال نكلو، تانيوكتلا هذه دادعلا (DNS) لاجملا مسامان  
اذه.

- يلعلف .عق اومل ا عي مج ربع تاناخ عبرا نم لوطلا ةتبات بلط ةطخ ةكبشلا مدختست فتاوه صصخت امنيب ، 2002 و 2001 يماعل 2 عقومل ا يف فتاوه صصخت ،لا ثمل ا ليبس يف (IP) تنرتنالا لوكوتورب فتاوه عي مجل نكمي . 3002 و 3001 يماعل 3 عقومل ا يف ماقرالا يذ قاحلالاب لاصتالا درجم قيرط نع ضعبل ا هضعبب لاصتالا ةكبشلا ةعبرالا .
- فرعم ،لا ثمل ا ليبس يلعل .عقومل ا مقرر اهسفن يه عقومل ل ةكبشلا عقومل ا تافرعم 3. وه 3 عقومل ا فرعمو 2 وه 2 عقومل ا
- نيوكتب هل ةلص ال اذه نأل ةعبرالا عقومل ا تانيوكت يف حضورم PSTN لاصتالا دجوي ال يلعل اعم اهطبر متي يتل ا ةيقي قحلال بتاكمل ا لمتشتو . Cisco Unity Express ةكبشلا يف افاضالا نوكمل ا اذه

## ةيساسالا تابلطتملا

لبق ماسقألا هذه أرقا . اذه نيوكتلا لاثم مهفل ةمهم تامولعم ةيلالاتلا ماسقألا رفوت نيوكتلا لاثم ةعباتم

### تابلطتملا

دنتسمل ا اذهل ةصاخ تابلطتم دجوت ال

### ةمدختسمل ا تانوكمل ا

ةيلالاتلا ةيدامل ا تانوكمل ا و اجماربل ا تارادصا ال دننتسمل ا اذه يف ةدراولا تامولعمل ا دننتست

- Cisco Unity Express و Cisco CME ل غشي Cisco 3725 هجوم ، 2 عقومل ا يف
- Cisco Unity Express و Cisco CME ل غشي Cisco 2691 هجوم ، 3 عقومل ا يف
- Cisco Secure Survivable Remote Site Telephony ل غشي Cisco 3725 هجوم ، 4 عقومل ا يف Cisco Unity Express و (SRST)
- Cisco Unity Express و Cisco Srst ل غشي Cisco 3725 هجوم ، 6 عقومل ا يف
- Cisco نم 12.3(11)T رادصالا IOS
- Cisco CME 3.2
- Cisco Unity Express 2.0
- IP Voice Cisco IOS تازيم ةعومجم

لوكوتورب فتاوه يلعل عقومل ا عي مج يوتحت . IP ةكبشبل ةلصتم تنرتني يه عقومل ا عي مج يف مكحتل ا متي ، (3 و 2 ني عقومل ا) Cisco CME عقومل ا ةبسنلاب . Cisco 7960 IP تنرتنالا متي ، (6 و 4 ني عقومل ا) ني رخالا ني عقومل ل ةبسنلاب . Cisco CME نم بلطلا ةطخو IP فتاوه نيوكت متي و يزك رمل ا Cisco CallManager جم انرب لال خ نم بلطلا ةطخو IP فتاوه يف مكحتل ا SRST ةيلعمل تاهجومل ا

ةصاخ ةيلعمل عم ةئي ب يف ةدوجومل ا ةزهجال نم دننتسمل ا اذه يف ةمدقملا تامولعمل ا عاشن ا مت تناك اذا . (يضا رتفا) حوسمم نيوكتب دننتسمل ا اذه يف ةمدختسمل ا ةزهجال عي مج تادب رما يال لمحتمل ا ري ثاتلل كمهف نم دكأتف ، ةرشابم كتكبش

### ةلصللا تاذا تاجت نمل ا

ةيلالاتلا جماربل ا و ةزهجال ا تارادصا عم نيوكتلا اذه مادختسا نكمي امك

- Cisco نم 2800 ةلسلسلا نم تاهجوملا
- Cisco نم 3800 ةلسلسلا نم تاهجوملا
- نم ثدحألا تارادصإلا وأ 12.3(8)T4 رادصإلا، Cisco نم 2800 ةلسلس تاهجومل ةبسنلاب Cisco IOS نم 12.3(11)T رادصإلا، Cisco نم 3800 ةلسلس تاهجومل ةبسنلاب Cisco IOS. ثدحألا تارادصإلاو

## تأحالطصإلا

1. لودجلا يف ةدراولا تأحالطصإلا، كلذ قبطنى امثىح، ةقوثولا هذه مدختست

Cisco Unity Express نىوكتلا لاثم تادنتسم تأحالطصا 1 لودجلا

فصولا	ةقافاتا
<p>لجأ نم قمألال نوللاب دوزملا صنلا مادختسا مئى</p> <ul style="list-style-type: none"> <li>• رقنا، لاثملا لىبس ىلع). رارزألاو حىتافملا عامسأ (قفاوم قوف</li> <li>• لخدأ: لاثم). اهلأخدإب موقت يتلا تامولعمل (مدختسملا مساعبرم يف لوىسملا</li> </ul>	طولغم صن
<p>موقت يتلا تامولعمل لوح ةيوازلا ساوقأ مادختسا مئى لخدأ، رمألا هجوم ةذفان يف: لاثم). اهل ةمىق رىفوتب (&lt;ip address&gt; لاصتالا رابتحإ</p>	(ةيوازلا ساوقأ) < >
<p>تقو يف اهطغض بىحى يتلا حىتافملا تالصالا لصفت (Ctrl-Alt-Delete ىلع طغضا: لاثم). دحاو</p>	(ةلصاوا) -
<p>تادىحتلا لصفلى نمىلا ةيوازلا سوق مادختسا مئى: اهب موقت يتلا</p> <ul style="list-style-type: none"> <li>• أدبا ةمئاق يف، لاثملا لىبس ىلع). مئاوللا ىلع &gt; مكحتلا ةحول &gt; تاداعإ قوف رقنا، Windows يف (مدوملاو فتاهلا تارايخ</li> <li>• Cisco Unity Administrator للقنتلا طيرش يف نىوكتلا &gt; ماظنلا ىللقنتنا: لاثملا لىبس ىلع) (تاداعإلا ةحفص &gt;</li> </ul>	(نمىلا ةيوازلا سوق) >
<p>A. ةماعلا ةئفلا نم ةكبش وأ تنرتنإ ناوئع لثمى عنم لجأ نم طقف ةيحيضوتلا ضارغلل مدختسى. ةماعلا ماقرألا مادختسا</p>	قائن يف مدختسملا a فرحلا ناوئعلا بىترتلا لىلاع ناوئعلا IP v4. ب قسنم

	23.10.224 .a :لاثم
ضارغألل مدختسي . فتاه مقررة ئدابو ةقطنملا زمر لثم ي ةماعلا ماقرألا مادختسا عنم لجأ نم طقف ةيحيضوتلا	نمض ةمدختسملا y و x فرحألا فتاوהל ماقراً 1234 . yy . xx :لاثم 2

ةيولاتلا ةماعلا تايقافاتالا اضيأ ةقيثولا مدختستو

داوملل عجارم وأ ةديفم تاجارتقا يلع تاظحالملا يوتحت . كلذ ظحالي ئراقلا نأ ينعت :ةظحالم  
دنتسملا اهيطغي ال يتلا

وأ تادعملال فلتا يلى يدؤي دق ام عيشب موقت دق ،ةلاحلا هذه يف . اردح نك ئراقلا ينعي :ريذحت  
تانايبلال دقف

تاجيملت تاجالطصا يلى عجارا ، تادنتسملا تاجالطصا لوح تامولعملال نم ديزم يلى لوصحلل  
[ةي.نقتلا Cisco](#)

## نيوكتلا

دنتسملا اذه يف ةحضورملا تازيملال نيوكت تامولعمل كل مدقت ،مسقلا اذه يف

[قادأ](#) مدختسا ، دنتسملا اذه يف ةمدختسملا رماوأللا لوح ةيفاضا تامولعمل يلى روثعلل :ةظحالم  
[\(طقف نيلاجسملال عالمعلل\) رماوأللا ثحب](#)

ةكبشلال يطيختلال مسرلا

. هاندأ يطيختلال مسرلا يف حضورملا ةكبشلال دادع دنتسملا اذه مدختسي

صئاصخلال هذه عم Cisco 3725 هجوم 2 عقوملا مدختسي

- IP a.3.235.1 ناونع ربع IP ةكبش يلى لوصولا
- 2001 و 2002 ني قحلملا ، IP فتاوهد مادختساب Cisco نم CME نيوكت
- PSTN 2xx ةقطنم زمر
- ويك-م نإ
- Cisco Unity Express ناونع A.3.235.128
- 2 ةكبشلال عقوم فرعم

صئاصخلال هذه ب Cisco 2691 هجوم Site 3 عقوم مدختسي

- IP a.3.229.1 ناونع ربع IP ةكبش يلى لوصولا
- 3001 و 3002 ني قحلملا ، IP فتاوهد مادختساب Cisco نم CME نيوكت
- PSTN 3xx ةقطنم زمر
- ويك-م نإ
- Cisco Unity Express ناونع A.3.229.128
- 3 ةكبشلال عقوم فرعم

صئاصخالا هذه عم Cisco 3725 هوم 4 عومال عوم مدختسي

- IP a.3.231.10 ناونع ربع ةكبش ىل لوصولا
- 4002 و 4001 ني قحلمال، IP فتاوه عم Cisco CallManager/SRST ني وكت
- PSTN 4xx ةقطنم زمر
- ويك-م| ن|
- Cisco Unity Express ناونع A.3.231.128
- 4 ةكبشال عوم فرع

صئاصخالا هذه عم Cisco 3745 هوم 6 عومال عوم مدختسي

- IP a.3.245.1 ناونع ربع ةكبش ىل لوصولا
- 6002 و 6001 ني قحلمال، IP فتاوه عم Cisco CallManager/SRST ني وكت
- PSTN 6xx ةقطنم زمر
- ويك-م| ن|
- Cisco Unity Express ناونع A.3.245.128
- 6 ةكبشال عوم فرع

## ني وكتال تاحيملت

- تامال كمال ارج| لبق عومال ني ب لاصلتال رابتخ| ةينام| نم دكات
- Cisco Unity تاكبش ارج| ةلواحم لبق عومال ني ب تامال كم ارج| كنكمي هنا نم دكات Express.
- عوم لك في Cisco Unity Express دقعال ني ب لاصلتال رابتخ| ةينام| نم دكات

## تانوي وكتال

هاندا ةحومال تانوي وكتال دنتمال اذه مدختسي

- ( 5 ةحفصل، Cisco 3725/Cisco CME هوم) 2 عومال ني وكت
- ( 11 ةحفصل، Cisco 2691/Cisco CME هوم) 3 عومال ني وكت
- ( 16 ةحفصل، Cisco 3725 SRST هوم) 4 عومال ني وكت
- ( 21 ةحفصل، Cisco 3745 SRST هوم) 6 عومال ني وكت

## Cisco 3725/Cisco CME هوم) 2 عومال ني وكت

ةومال ني وكت•

هاندا هومال ني وكت نم ةلصل تاذ تافطت قمل اضرع متي

```
cme-3725#  
show running-config  
Current configuration : 8184 bytes  
!  
! Last configuration change at 11:01:46 PST Fri Nov 5 2004  
! NVRAM config last updated at 08:29:05 PST Fri Nov 5 2004  
!  
version 12.3
```

```

service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname cme-3725
!
boot-start-marker
boot system flash:c3725-ipvoice-mz.123-10.3.PI5
boot-end-marker
!
! Allow intersite H.323 calls to reach Cisco Unity Express
!
voice service voip
allow-connections h323 to sip
!
!
! IP address of the router
!
interface FastEthernet0/0
ip address a.3.235.1 255.255.0.0
duplex auto
speed auto
no cdp enable
!
interface FastEthernet0/1
ip address a.1.1.100 255.255.0.0
speed auto
half-duplex
no cdp enable
!
! IP address of Cisco Unity Express
!
interface Service-Engine1/0
ip unnumbered FastEthernet0/0
service-module ip address a.3.235.128 255.255.0.0
service-module ip default-gateway a.3.235.1
hold-queue 60 out
!
ip classless
ip route a.3.235.128 255.255.255.255 Service-Engine1/0
!
! Dial-peer to allow calls to forward from Cisco CME to Cisco Unity Express
!
dial-peer voice 2100 voip
destination-pattern 21..
session protocol sipv2
session target ipv4:a.3.235.128
dtmf-relay sip-notify
codec g711ulaw
no vad
!
! Dial-peers to direct intersite calls
!
dial-peer voice 3000 voip
destination-pattern 3...
session target ipv4:a.3.229.1
dtmf-relay h245-alphanumeric
codec g711ulaw
no vad
!
dial-peer voice 4000 voip
destination-pattern 4...

```

```
session target ipv4:a.3.231.5
dtmf-relay h245-alphanumeric
codec g711ulaw
no vad
!
dial-peer voice 6000 voip
destination-pattern 6...
session target ipv4:a.3.231.5
dtmf-relay h245-alphanumeric
codec g711ulaw
no vad
!
!
telephony-service
load 7960-7940 P00303020214
max-ephones 50
max-dn 120
ip source-address a.1.1.100 port 2000
time-format 24
date-format dd-mm-yy
auto assign 1 to 5
timeouts interdigit 20
timeouts ringing 120
system message CME-3725
create cnf-files version-stamp 7960 Sep 27 2004 12:31:02
voicemail 2105
max-conferences 8
moh music-on-hold.au
web admin system name admin password cisco
web admin customer name custlogin password custpswd
dn-webedit
time-webedit
transfer-system full-consult
transfer-pattern 3...
transfer-pattern 2...
directory last-name-first
!
!
! Extension definitions
!
ephone-dn 1 dual-line
number 2001 secondary 2xyyy2001
label Alice
description Alice Davidson
name Alice Davidson
call-forward max-length 4
call-forward busy 2105
call-forward noan 2105 timeout 10
!
!
ephone-dn 2 dual-line
number 2002 secondary 2xyyy2002
label Aaron
description Aaron Wilkins
name Aaron Wilkins
call-forward max-length 8
call-forward busy 2105
call-forward noan 2105 timeout 10
!
!
! Dial-peers for MWI
!
```

```

        ephone-dn 51
        number 8000....
        mwi on
        !
        !
        ephone-dn 52
        number 8001....
        mwi off
        !
        !
        !
! IP phone definitions
!
        ephone 1
        ephone-template 1
        username "adavidson"
        mac-address 0003.6BAA.D1F8
        type 7960
        button 1:1
        !
        !
        !
        ephone 2
        ephone-template 1
        username "awilkins"
        mac-address 0003.6BAA.D362
        type 7960
        button 1:2

```

## • Cisco Unity Express نېوكت

اندا Cisco Unity Express نېوكت ضرع متې

```

cue-cme3725#
show running-config
Generating configuration:
clock timezone America/Los_Angeles
hostname cue-cme3725
ip domain-name localdomain
ntp server a.3.135.1
software download server url "ftp://127.0.0.1/ftp"
credentials hidden "6u/dKTN/hsEuSAEfw40XlF2eFHnZfyUTSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmPSd8ZZNgd+Y9J3x1k
groupname Administrators create
groupname Broadcasters create
groupname Sales create
username adavidson create
username awilkins create
username acoley create
username awayant create
username amcdougal create
username admin create
groupname Sales phonenumberE164 "2xxyy2050"
groupname Sales phonenumber "2050"
username adavidson phonenumberE164 "2xxyy2001"
username awilkins phonenumberE164 "2xxyy2002"
username acoley phonenumberE164 "2xxyy2003"
username awayant phonenumberE164 "2xxyy2004"
username amcdougal phonenumberE164 "2xxyy2005"

```



```

username adavidson phonenumber "2001"
username awilkins phonenumber "2002"
username acoley phonenumber "2003"
username awyant phonenumber "2004"
username amcdougal phonenumber "2005"
groupname Administrators member admin
groupname Sales member acoley
groupname Sales member awilkins
groupname Administrators privilege superuser
groupname Administrators privilege ManagePrompts
backup server url "ftp://a.3.231.201/cme3725/"
credentials hidden "1SDP4vScNKcZiym6dHQHfn14zvlbuAn9Sd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k
ccn application autoattendant
description "autoattendant"
enabled
maxsessions 8
script "aa.aef"
parameter "MaxRetry" "3"
parameter "operExtn" "0"
parameter "welcomePrompt" "AAWelcome.wav"
end application
ccn application ciscoMWIapplication
description "ciscoMWIapplication"
enabled
maxsessions 8
script "setmwi.aef"
parameter "strMWI_OFF_DN" "8001"
parameter "strMWI_ON_DN" "8000"
parameter "CallControlGroupID" "0"
end application
ccn application custom-aa
description "custom-aa"
enabled
maxsessions 8
script "s1_main-officehours.aef"
parameter "MainOperExt" "2001"
end application
ccn application promptmgmt
description "promptmgmt"
enabled
maxsessions 1
script "promptmgmt.aef"
end application
ccn application voicemail
description "voicemail"
enabled
maxsessions 8
script "voicebrowser.aef"
parameter "logoutUri" "http://localhost/voicemail/vxmlscripts/mbxLogout.jsp"
parameter "uri" "http://localhost/voicemail/vxmlscripts/login.vxml"
end application
ccn engine
end engine
ccn subsystem jtapi
ccm-manager address
end subsystem
ccn subsystem sip
gateway address "a.3.235.1"
end subsystem
ccn trigger sip phonenumber 2100
application "custom-aa"
enabled

```

```

        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger sip phonenumber 2102
    application "autoattendant"
        enabled
        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger sip phonenumber 2105
    application "voicemail"
        enabled
        idletimeout 5000
        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger sip phonenumber 2106
    application "promptmgmt"
        enabled
        idletimeout 5000
        locale "en_US"
        maxsessions 1
        end trigger
! Definitions of the four networking sites
    network location id 2
        abbreviation "S2"
        email domain a.3.235.128
        name "site2-cme-3725"
        end location
    network location id 3
        abbreviation "S3"
        email domain a.3.229.128
        name "site3-cme-2691"
        end location
    network location id 4
        abbreviation "S4"
        email domain a.3.231.128
        name "site4-ccm-3725"
        end location
    network location id 6
        abbreviation "S6"
        email domain a.3.245.128
        name "site6-ccm-3745"
        end location
! Definition of this site's location ID
    network local location id 2
    voicemail default expiration time 30
    voicemail default language en_US
    voicemail default mailboxsize 5520
    voicemail recording time 900
    voicemail default messagesize 60
    voicemail operator telephone 2001
    voicemail capacity time 6000
    voicemail mailbox owner "Sales" size 5520
        description "Sales mailbox"
        zerooutnumber "2100"
        end mailbox
    voicemail mailbox owner "acoley" size 5520
        description "acoley mailbox"
        zerooutnumber "2100"
        end mailbox
    voicemail mailbox owner "adavidson" size 5520

```

```
description "adavidson mailbox"
  zerooutnumber "2100"
end mailbox
voicemail mailbox owner "amcdougal" size 5520
description "amcdougal mailbox"
  zerooutnumber "2100"
end mailbox
voicemail mailbox owner "awilkins" size 5520
description "awilkins mailbox"
  zerooutnumber "2100"
end mailbox
voicemail mailbox owner "awyant" size 5520
description "awyant mailbox"
  zerooutnumber "2100"
end mailbox
end
```

---

## هجوم ال نيوكت ( Cisco 2691/Cisco CME )

---

هجوم ال نيوكت •

هنا دأ هجوم ال نيوكت نم ةلصل اذ اتا فطت قم ال ضرع متي

```
cme-2691#
show running-config
Building configuration...
Current configuration : 4868 bytes
!
! Last configuration change at 07:35:10 PST Fri Oct 22 2004
! NVRAM config last updated at 12:07:37 PST Fri Oct 22 2004
!
version 12.3
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname cme-2691
!
boot-start-marker
boot system flash:c2691-ipvoice-mz.123-10.3.PI5
boot-end-marker
!
! Allow intersite H.323 calls to reach Cisco Unity Express
!
voice service voip
allow-connections h323 to sip
!
! IP address of the router
!
interface FastEthernet0/0
ip address a.3.229.1 255.255.0.0
no ip mroute-cache
load-interval 30
duplex auto
speed auto
```

```

!
interface FastEthernet0/1
ip address a.10.1.100 255.255.0.0
no ip mroute-cache
duplex auto
speed auto
!
! IP address of Cisco Unity Express
!
interface Service-Engine1/0
ip unnumbered FastEthernet0/0
service-module ip address a.3.229.128 255.255.0.0
service-module ip default-gateway a.3.229.1
!
ip classless
ip route a.3.229.128 255.255.255.255 Service-Engine1/0
!
ip http server
ip http path flash:
!
! Dial-peer to allow calls to forward from Cisco CME to Cisco Unity Express
!
dial-peer voice 3100 voip
description VM-AA
destination-pattern 31..
session protocol sipv2
session target ipv4:a.3.229.128
dtmf-relay sip-notify
codec g711ulaw
no vad
!
! Dial-peers to direct intersite calls
!
dial-peer voice 2000 voip
destination-pattern 2...
session target ipv4:a.3.235.1
dtmf-relay h245-alphanumeric
codec g711ulaw
no vad
!
dial-peer voice 4000 voip
destination-pattern 4...
session target ipv4:a.3.231.5
dtmf-relay h245-alphanumeric
codec g711ulaw
no vad
!
dial-peer voice 6000 voip
destination-pattern 6...
session target ipv4:a.3.231.5
dtmf-relay h245-alphanumeric
codec g711ulaw
no vad
!
telephony-service
load 7960-7940 P00303020214
max-ephones 48
max-dn 192
ip source-address a.10.1.100 port 2000
system message CME-2691
create cnf-files version-stamp 7960 Jul 15 2003 13:48:12

```

```

        voicemail 3105
        max-conferences 8
web admin system name admin password cisco
        dn-webedit
        time-webedit
transfer-system full-consult
transfer-pattern 3...
transfer-pattern 2...
        !
! Extension definitions
        !
ephone-dn 1 dual-line
        number 3001
        description User1
        name User1
        call-forward busy 3105
call-forward noan 3105 timeout 10
        !
        !
ephone-dn 2 dual-line
        number 3002
        description User2
        name User2
        call-forward busy 3105
call-forward noan 3105 timeout 10
        !
        !
! Dial-peers for MWI
        !
        ephone-dn 51
        number 8000...
        mwi on
        !
        !
        ephone-dn 52
        number 8001...
        mwi off
        !
! IP phone definitions
        !
        ephone 1
username "User1" password null
        mac-address 0009.B7F7.5793
        button 1:1
        !
        !
        !
        ephone 2
username "User2" password null
        mac-address 0002.FD06.D959
        button 1:2

```

• نيوكت Cisco UNY Express

هاندأ Cisco Unity Express نيوكت ضرع متي

```

cue-nm-2691#
show running-config

```

```

Generating configuration:
clock timezone America/Los_Angeles
hostname cue-nm-2691
ip domain-name localdomain
ntp server a.3.229.1
software download server url "ftp://127.0.0.1/ftp"
credentials hidden "6u/dKTN/hsEuSAEfw40X1F2eFHnZfyUTSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmPSd8ZZNgd+Y9J3x1k
groupname Administrators create
groupname customer-service create
username admin create
username User1 create
username User2 create
username User3 create
username User4 create
username User5 create
username User6 create
groupname customer-service phonenumberE164 "4xyyy3050"
groupname customer-service phonenumber "3050"
username User1 phonenumber "3001"
username User2 phonenumber "3002"
username User3 phonenumber "3003"
username User4 phonenumber "3004"
username User5 phonenumber "3005"
username User6 phonenumber "3006"
groupname Administrators member admin
groupname customer-service member User2
groupname customer-service member User3
groupname Administrators privilege superuser
groupname Administrators privilege ManagePrompts
backup server url "ftp://a.3.231.201/cme2691_4nov04/"
credentials hidden "xx0aioWv/uC5WSZLs/L2XY/frZzvmJ2MSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmPSd8ZZNgd+Y9J3x1k
ccn application autoattendant
description "autoattendant"
enabled
maxsessions 8
script "aa.aef"
parameter "MaxRetry" "3"
parameter "operExtn" "0"
parameter "welcomePrompt" "AAgreeting.wav"
end application
ccn application ciscomwiapplication
description "ciscomwiapplication"
enabled
maxsessions 8
script "setmwi.aef"
parameter "strMWI_OFF_DN" "8001"
parameter "strMWI_ON_DN" "8000"
parameter "CallControlGroupID" "0"
end application
ccn application promptmgmt
description "promptmgmt"
enabled
maxsessions 1
script "promptmgmt.aef"
end application
ccn application voicemail
description "voicemail"
enabled
maxsessions 8
script "voicebrowser.aef"
parameter "logoutUri" "http://localhost/voicemail/vxmlscripts/mbxLogout.jsp"
parameter "uri" "http://localhost/voicemail/vxmlscripts/login.vxml"

```

```

        end application
        ccn engine
        end engine
    ccn subsystem jtapi
    ccm-manager address
    end subsystem
    ccn subsystem sip
    gateway address "a.3.229.1"
    end subsystem
ccn trigger sip phonenumber 3100
    application "autoattendant"
        enabled
        maxsessions 8
    end trigger
ccn trigger sip phonenumber 3105
    application "voicemail"
        enabled
        maxsessions 8
    end trigger
ccn trigger sip phonenumber 3106
    application "promptmgmt"
        enabled
        maxsessions 1
    end trigger
! Definitions of the four networking sites
    network location id 2
        abbreviation "S2"
        email domain a.3.235.128
        name "site2-cme-3725"
    end location
    network location id 3
        abbreviation "S3"
        email domain a.3.229.128
        name "site3-cme-2691"
    end location
    network location id 4
        abbreviation "S4"
        email domain a.3.231.128
        name "site4-ccm-3725"
    end location
    network location id 6
        abbreviation "S6"
        email domain a.3.245.128
        name "site6-ccm-3745"
    end location
! Definition of this site's location ID
    network local location id 3
    voicemail default expiration time 60
    voicemail default language en_US
    voicemail default mailboxsize 5520
    voicemail recording time 900
    voicemail default messagesize 60
    voicemail operator telephone 0
    voicemail capacity time 6000
    voicemail mailbox owner "User1" size 5520
        end mailbox
    voicemail mailbox owner "User2" size 5520
        end mailbox
    voicemail mailbox owner "User3" size 5520
        end mailbox
    voicemail mailbox owner "User4" size 5520
        end mailbox

```

```
voicemail mailbox owner "User5" size 5520
    end mailbox
voicemail mailbox owner "User6" size 5520
    end mailbox
voicemail mailbox owner "customer-service" size 5520
    description "customer-service mailbox"
    zerooutnumber "3101"
    end mailbox
end
```

---

## هجوم ال نيوكت (Cisco 3725 SRST) 4 عقوقم ال نيوكت

---

هجوم ال نيوكت •

هانداء هجوم ال نيوكت نم ةلصل اذ اذ فطت قمل اضرع م تي:

```
ccm_3725#
show running-config
Building configuration...
Current configuration : 2278 bytes
!
! Last configuration change at 07:11:44 PST Wed Nov 10 2004
! NVRAM config last updated at 07:11:52 PST Wed Nov 10 2004
!
version 12.3
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname ccm_3725
!
boot-start-marker
boot system flash:c3725-ipvoice-mz.123-10.3.PI5
boot-end-marker
!
! Allow intersite H.323 calls to reach Cisco Unity Express during SRST
!
voice service voip
allow-connections h323 to sip
!
! IP address of the router
!
interface FastEthernet0/0
ip address a.3.231.10 255.255.0.0
speed auto
half-duplex
!
interface FastEthernet0/1
no ip address
shutdown
duplex auto
speed auto
!
! IP address of Cisco Unity Express
!
```



```

        interface Service-Engine1/0
        ip unnumbered FastEthernet0/0
    service-module ip address a.3.231.128 255.255.0.0
        service-module ip default-gateway a.3.231.10
        !
        ip classless
    ip route a.3.231.128 255.255.255.255 Service-Engine1/0
        !
        ip http server
        ip http path flash:
        !
! Dial-peer to allow calls to forward from Cisco SRST to Cisco Unity Express
!
        dial-peer voice 4100 voip
        destination-pattern 41..
        session protocol sipv2
        session target ipv4:a.3.231.128
        dtmf-relay sip-notify
        codec g711ulaw
        no vad
        !
! SRST definition to ensure Cisco Unity Express and IP Phone operation during Cisco CallManager unavail
!
        call-manager-fallback
        max-conferences 8
    ip source-address a.3.231.5 port 2000
        max-ephones 24
        max-dn 48
        voicemail 4105
        call-forward busy 4105
        call-forward noan 4105 timeout 7

```

### • نيوكت Cisco UNY Express

ان دأ Cisco Unity Express نيوكت ضرع متي:

```

        cue-ccm3725#
        show running-config
    Generating configuration:
    clock timezone America/Adak
        hostname cue-ccm3725
        ip domain-name localdomain
        ntp server a.3.231.10
    software download server url "ftp://127.0.0.1/ftp"
credentials hidden "6u/dKTN/hsEuSAEfw40X1F2eFHnZfyUTSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmPSd8ZZNgd+Y9J3x1k
        groupname Administrators create
        username admin create
        username Bob create
        username anders create
        username zacks create
        username Bob phonenumber "4002"
        username anders phonenumber "4001"
        groupname Administrators member admin
        groupname Administrators member anders
        groupname Administrators privilege superuser
        groupname Administrators privilege ManagePrompts
        backup server url "ftp://a.3.231.244/ccm3725_8nov/"
credentials hidden "GixGRq8cUmFqrOHVxftjAknfGWYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmPSd8ZZNgd+Y9J3x1k

```

```

        ccn application abccorp
            description "abccorp"
            enabled
            maxsessions 8
            script "sample_aa.aef"
        parameter "prompt_ABCWelcome" "prompt_ABCWelcome.wav"
            parameter "extn_Operator" "4002"
                parameter "extn_Sales" "4002"
            parameter "prompt_Operator" "prompt_Operator.wav"
                parameter "extn_UserEntered" "2002"
            parameter "prompt_Support" "prompt_support.wav"
                parameter "prompt_Hours" "prompt_Hours.wav"
                    parameter "extn_Support" "918xyyy2121"
            parameter "prompt_Extension" "prompt_Extension.wav"
                parameter "prompt_Sales" "prompt_Sales.wav"
            end application
        ccn application autoattendant
            description "autoattendant"
            enabled
            maxsessions 8
            script "aa.aef"
            parameter "MaxRetry" "3"
            parameter "operExtn" "0"
            parameter "welcomePrompt" "AAWelcome.wav"
            end application
        ccn application ciscoMWIapplication
            description "ciscoMWIapplication"
            enabled
            maxsessions 8
            script "setmwi.aef"
            parameter "strMWI_OFF_DN" "8001"
            parameter "strMWI_ON_DN" "8000"
            parameter "CallControlGroupID" "0"
            end application
        ccn application promptmgmt
            description "promptmgmt"
            enabled
            maxsessions 1
            script "promptmgmt.aef"
            end application
        ccn application voicemail
            description "voicemail"
            enabled
            maxsessions 8
            script "voicebrowser.aef"
            parameter "logoutUri" "http://localhost/voicemail/vxmlscripts/mbxLogout.jsp"
            parameter "uri" "http://localhost/voicemail/vxmlscripts/login.vxml"
            end application
        ccn engine
            end engine
        ccn subsystem jtapi
            ctiport 4901 4902 4903 4904
            ccm-manager address a.3.231.5
            ccm-manager
            end subsystem
        ccn subsystem sip
            gateway address "a.3.231.10"
            end subsystem
        ccn trigger jtapi phonenumber 4100
            application "autoattendant"
            enabled

```

```

        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger jtapi phonenumber 4101
        application "abccorp"
        enabled
        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger jtapi phonenumber 4105
        application "voicemail"
        enabled
        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger jtapi phonenumber 4106
        application "promptmgmt"
        enabled
        locale "en_US"
        maxsessions 1
        end trigger
ccn trigger sip phonenumber 4100
        application "autoattendant"
        enabled
        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger sip phonenumber 4101
        application "abccorp"
        enabled
        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger sip phonenumber 4105
        application "voicemail"
        enabled
        locale "en_US"
        maxsessions 8
        end trigger
ccn trigger sip phonenumber 4106
        application "promptmgmt"
        enabled
        locale "en_US"
        maxsessions 1
        end trigger
! Definitions of the four networking sites
network location id 2
        abbreviation "S2"
        email domain a.3.235.128
        name "site2-cme-3725"
        end location
network location id 3
        abbreviation "S3"
        email domain a.3.229.128
        name "site3-cme-2691"
        end location
network location id 4
        abbreviation "S4"
        email domain a.3.231.128
        name "site4-ccm-3725"
        end location
network location id 6

```

```
        abbreviation "S6"
        email domain a.3.245.128
        name "site6-ccm-3745"
        end location
! Definition of this site's location ID
    network local location id 4
    voicemail default expiration time 30
    voicemail default language en_US
    voicemail default mailboxsize 3000
    voicemail recording time 900
    voicemail default messagesize 60
    voicemail operator telephone 0
    voicemail capacity time 6000
    voicemail mailbox owner "Bob" size 3000
        end mailbox
    voicemail mailbox owner "anders" size 3000
        end mailbox
    voicemail mailbox owner "zacks" size 3000
        end mailbox
end
```

---

## هجوم ال نيوكت ( Cisco 3745 SRST هجوم) 6 ع ق و م ل ا ني و ك ت

---

هجوم ال نيوكت •

هنا دأ هج و م ل ا ني و ك ت م ة ل ص ل ا ت ا ذ ت ا ف ط ت ق م ل ا ض ر ع م ت ي :

```
        ccm_3745#
        show running-config
        Building configuration...
        Current configuration : 3295 bytes
        !
! Last configuration change at 02:46:54 UTC Fri Apr 12 2002
! NVRAM config last updated at 17:20:53 UTC Thu Apr 11 2002
        !
        version 12.3
        service timestamps debug datetime msec
        service timestamps log datetime msec
        no service password-encryption
        !
        hostname ccm_3745
        !
        boot-start-marker
        boot system flash:c3745-ipvoice-mz.123-10.3.PI5
        boot-end-marker
        !
! Allow intersite H.323 calls to reach Cisco Unity Express during SRST
        !
        voice service voip
        allow-connections h323 to sip
        !
! IP address of the router
        !
        interface FastEthernet0/0
```

```

        ip address a.3.245.1 255.255.0.0
            speed auto
            half-duplex
            no mop enabled
            !
        interface FastEthernet0/1
        ip address 172.19.153.31 255.255.0.0
            duplex auto
            speed auto
            !
        ! IP address of Cisco Unity Express
        !
        interface Service-Engine1/0
        ip unnumbered FastEthernet0/0
        service-module ip address a.3.245.128 255.255.0.0
        service-module ip default-gateway a.3.245.1
            !
            !
            ip classless
        ip route a.3.245.128 255.255.255.255 Service-Engine1/0
            !
            ip http server
            ip http path flash:
            !
            !
        ! Dial-peer to allow calls to forward from Cisco SRST to Cisco Unity Express
        !
        dial-peer voice 6100 voip
        destination-pattern 61..
        session protocol sipv2
        session target ipv4:a.3.245.128
        dtmf-relay sip-notify
        codec g711ulaw
        no vad
        !
! SRST definition to ensure Cisco Unity Express and IP Phone operation during Cisco CallManager unavail
!
        call-manager-fallback
        max-conferences 8
        ip source-address a.3.231.5 port 2000
        max-ephones 24
        max-dn 48
        voicemail 6105
        call-forward busy 6105

```

## • نېوڪٽ Cisco Unity Express

ان ڏاڻو نېوڪٽ Cisco Unity Express ضرع مٽي

```

        cue-ccm3745#
        show running-config
        Generating configuration:
        clock timezone America/Los_Angeles
        hostname cue-ccm3745
        ip domain-name localdomain
        ntp server a.3.233.100
        software download server url "ftp://127.0.0.1/ftp"
credentials hidden "6u/dKTN/hsEuSAEfw40X1F2eFHnZfyUTSd8ZZNgd+Y9J3x1k2B35j0nfGWYHfmPSd8ZZNgd+Y9J3x1k

```

```
groupname Administrators create
groupname Broadcasters create
username admin create
username Yvon create
username Zack create
username Yvon phonenumber "6001"
username Zack phonenumber "6002"
groupname Administrators member admin
groupname Administrators member Yvon
groupname Administrators privilege superuser
groupname Administrators privilege ManagePrompts
backup server url "ftp://a.3.231.243/ccm3745_5nov/"
credentials hidden "GixGRq8cUmFqrOHVxftjAknfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1k
ccn application autoattendant
description "autoattendant"
enabled
maxsessions 8
script "aa.aef"
parameter "MaxRetry" "3"
parameter "operExtn" "0"
parameter "welcomePrompt" "AAWelcome.wav"
end application
ccn application ciscozwiapplication
description "ciscozwiapplication"
enabled
maxsessions 8
script "setmwi.aef"
parameter "strMWI_OFF_DN" "8001"
parameter "strMWI_ON_DN" "8000"
parameter "CallControlGroupID" "0"
end application
ccn application promptmgmt
description "promptmgmt"
enabled
maxsessions 1
script "promptmgmt.aef"
end application
ccn application voicemail
description "voicemail"
enabled
maxsessions 8
script "voicebrowser.aef"
parameter "logoutUri" "http://localhost/voicemail/vxmlscripts/mbxLogout.jsp"
parameter "uri" "http://localhost/voicemail/vxmlscripts/login.vxml"
end application
ccn engine
end engine
ccn subsystem jtapi
ctiport 6901 6902 6903 6904
ccm-manager address a.3.231.5
ccm-manager
credentials hidden "1anJW38IVSZ1d67dzhL9pEnfGWTYHfmPSd8ZZNgd+Y9J3x1k2B35j0nfGWTYHfmPSd8ZZNgd+Y9J3x1
end subsystem
ccn subsystem sip
gateway address "a.3.45.1"
end subsystem
ccn trigger jtapi phonenumber 6100
application "autoattendant"
enabled
locale "en_US"
maxsessions 8
end trigger
```

```

ccn trigger jtapi phonenumber 6105
    application "voicemail"
        enabled
        locale "en_US"
        maxsessions 8
    end trigger
ccn trigger jtapi phonenumber 6106
    application "promptmgmt"
        enabled
        locale "en_US"
        maxsessions 1
    end trigger
ccn trigger sip phonenumber 6100
    application "autoattendant"
        enabled
        locale "en_US"
        maxsessions 8
    end trigger
ccn trigger sip phonenumber 6105
    application "voicemail"
        enabled
        locale "en_US"
        maxsessions 8
    end trigger
ccn trigger sip phonenumber 6106
    application "promptmgmt"
        enabled
        locale "en_US"
        maxsessions 1
    end trigger
! Definitions of the four networking sites
network location id 2
    abbreviation "S2"
    email domain a.3.235.128
    name "site2-cme-3725"
end location
network location id 3
    abbreviation "S3"
    email domain a.3.229.128
    name "site3-cme-2691"
end location
network location id 4
    abbreviation "S4"
    email domain a.3.231.128
    name "site4-ccm-3725"
end location
network location id 6
    abbreviation "S6"
    email domain a.3.245.128
    name "site6-ccm-3745"
end location
! Definition of this site's location ID
network local location id 6
voicemail default expiration time 30
voicemail default language en_US
voicemail default mailboxsize 3000
voicemail recording time 900
voicemail default messagesize 60
voicemail operator telephone 0
voicemail capacity time 6000
voicemail mailbox owner "Yvon" size 3000
end mailbox

```

## تحصيل نم ققحتلا

جحص لكشب لمعي نيوكتل نأ نم دكأتلل اهمادختسا كنكمي تامولعم مسقلا اذه رفوي

[يتلاو، \(طقف نولجس ملءالمعلا\) جارخالا مجرتم ةادأ](#) ةطساوب ضرعلا رماو أضعب معد متي  
[ضرعلا رما جارخالا ليحت ضرع لك حيتت](#)

جحص لكشب لمعي كي دل نيوكتل نأ نم ققحتلل تاوطخلا هذه عبتا

ةوطخلا يف Cisco Unity Express عقاوم عي مج ني ب لاصتالا رابتخا ةينام نم ققحت  
1 ةفلتخملا عقاوملا

عقوم لىل عقوم نم لاصتالا نم ققحتلا

ةصاخلا (CLI) رماو ألا رطس ةهجاو لىل ع هذيفنت متي، ping رمالل جارخا لاثم يلي اميف  
Cisco Unity Express 3 عقوملا لىل Site 2 ماظنل Cisco Unity Express ب

```
cue-cme3725#  
ping a.3.229.128  
PING a.3.229.128 (a.3.229.128) 56(84) bytes of data.  
64 bytes from a.3.229.128: icmp_seq=1 ttl=62 time=1.22 ms  
64 bytes from a.3.229.128: icmp_seq=2 ttl=62 time=0.271 ms  
64 bytes from a.3.229.128: icmp_seq=3 ttl=62 time=0.263 ms  
64 bytes from a.3.229.128: icmp_seq=4 ttl=62 time=0.262 ms  
64 bytes from a.3.229.128: icmp_seq=5 ttl=62 time=0.263 ms  
--- a.3.229.128 ping statistics ---  
5 packets transmitted, 5 received, 0% packet loss, time 4ms  
rtt min/avg/max/mdev = 0.262/0.456/1.224/0.384 ms, ipg/ewma 1.094/0.827 ms
```

ةصاخلا (CLI) رماو ألا رطس ةهجاو لىل ع هذيفنت متي، ping رمالل جارخا لاثم يلي اميف  
Cisco Unity Express 4 عقوملا لىل Site 2 ماظنل Cisco Unity Express ب

```
cue-cme3725#  
ping a.3.231.128  
PING a.3.231.128 (a.3.231.128) 56(84) bytes of data.  
64 bytes from a.3.231.128: icmp_seq=1 ttl=62 time=1.03 ms  
64 bytes from a.3.231.128: icmp_seq=2 ttl=62 time=0.262 ms  
64 bytes from a.3.231.128: icmp_seq=3 ttl=62 time=0.257 ms  
64 bytes from a.3.231.128: icmp_seq=4 ttl=62 time=0.256 ms  
64 bytes from a.3.231.128: icmp_seq=5 ttl=62 time=0.257 ms  
--- a.3.231.128 ping statistics ---  
5 packets transmitted, 5 received, 0% packet loss, time 4ms
```



rtt min/avg/max/mdev = 0.256/0.412/1.032/0.310 ms, ipg/ewma 1.048/0.711 ms

(CLI) رم أوأال رطس ةهجاو ىلع هذيفنت متي ping، رم أوأال جارخا لىلع لاثم يلى اميف  
Cisco Unity Express 6 عقوم لىلى Site 2 ماظنل Cisco Unity Express نم

```
cue-cme3725#  
ping a.3.245.128  
PING a.3.245.128 (a.3.245.128) 56(84) bytes of data.  
64 bytes from a.3.245.128: icmp_seq=1 ttl=62 time=0.953 ms  
64 bytes from a.3.245.128: icmp_seq=2 ttl=62 time=0.251 ms  
64 bytes from a.3.245.128: icmp_seq=3 ttl=62 time=0.248 ms  
64 bytes from a.3.245.128: icmp_seq=4 ttl=62 time=0.246 ms  
64 bytes from a.3.245.128: icmp_seq=5 ttl=62 time=0.249 ms  
--- a.3.245.128 ping statistics ---  
5 packets transmitted, 5 received, 0% packet loss, time 4ms  
rtt min/avg/max/mdev = 0.246/0.389/0.953/0.282 ms, ipg/ewma 1.025/0.661 ms
```

ةوطخلا : ةكبشلا نيوكت نم ققحتلل رم أوأال هذه مدختسأ  
2

ةكبشلا نيوكت نم ققحتلا

- ةكبشلا عقاوم راهظا
- < location-id > ةكبشلا لىصافات عقوم فرعم راهظا
- ةكبشلا لىصافات راهظا

رطس ةهجاو ىلع هذيفنت متي يذلا ، show network sites ، رم أوأال جارخا لاثم يلى اميف  
Cisco Unity Express 2. ماظنل رم أوأال

```
cue-cme3725#  
show network locations  
ID NAME ABBREV DOMAIN  
2 'site2-cme-3725' S2 a.3.235.128  
3 'site3-cme-2691' S3 a.3.229.128  
6 'site6-ccm-3745' S6 a.3.245.128  
4 'site4-ccm-3725' S4 a.3.231.128  
Local location id: 2
```

ىلع هذيفنت متي ، show network detail location id 4 ، رم أوأال جارخا لاثم يلى اميف  
Cisco Unity Express 2. ماظنل رم أوأال رطس ةهجاو

```
cue-cme3725#  
show network detail location id 4  
Name: site4-ccm-3725  
Abbreviation: S4
```

```

Email domain: a.3.231.128
  Minimum extension length: 2
  Maximum extension length: 15
Phone prefix:
VPIM encoding: dynamic
Send spoken name: enabled
  Sent msg count: 0
  Received msg count: 0

```

يطلع هذيفنت متي يذلا، show network detail، رمألل جارخا لاثم يلي اميف  
 Site 3، ماطنل Cisco Unity Express ب ةصاخلا (CLI) رماوالا رطس ةهجاو

```

cue-cme3725#
show network detail local
Location Id: 3
Name: site3-cme-2691
Abbreviation: S3
Email domain: a.3.229.128
  Minimum extension length: 2
  Maximum extension length: 15
Phone prefix:
VPIM encoding: dynamic
Send spoken name: enabled

```

ةوطخلال 3 يف. يرخال عقاوملا نم رثكأ وأ دحاو ىل ةهجوم 2 عقوملا نم ةيتوص ةلاسرا لاسرا  
 3 show network queues رمألل لخدأ، ةلاسرا لاسرا # ىل اهي ف لصت يتلا ةطحلل  
 ىتح رمألل اذه ضرع راركت يف رمتسا. لاسرا لاسرا ماطنل Cisco Unity Express ماطن ىلع  
 ةهجولا فتاوهلاب ةصاخلا MWI ءاوضأ ةاضا ىتح وأ، VPIM، لئاسر ةفاك لاسرا متي

VPIM ةلاسرا لاسرا طاشن نم ققحتلا

Site ماطنلا ىلع هذيفنت متي يذلا، show network lists، رمألل جارخا لاثم يلي اميف  
 6001، قحللملا، 6 عقوملا ىل ةهجوم ةلاسرا لاسرا دع ب Cisco Unity Express 3

```

cue-cme3725#
show network queues
Running Job Queue
=====
ID      TYPE TIME      RETRY SENDER      RECIPIENT
4       VPIM 09:09:45    0      User1             6001@1.3.245.128
Urgent Job Queue
=====
ID      TYPE TIME      RETRY SENDER      RECIPIENT
No entries
Normal Job Queue
=====
ID      TYPE TIME      RETRY SENDER      RECIPIENT
No entries

```

## اهحال صإو ءاطخأل فاشككسا

اهحال صإو نيوكتل ءاطخأل فاشككسا ال اهم ادختسا كنكمي تامولعم مسقلا اذه رفوي

يتلاو، (طقف نولجس ملءالم علءا) [چارخالء مءرتم ءادأ](#) ءطساوب ضرعلء رماوأ ضرب معد مءي  
ضرعلء رماوأ [لءلءت ضرع كلءلءت](#)

[ءاطخألء ءلءصء رماوأ ءف ءمءمءلء تامولعمءلء](#) ءءار، ءاطخألء ءلءصء رماوأ راءصء لءق: ءظءالم

ءلءلءقءسا وء Cisco Unity Express مءظن لءسرا ءلء ءلءلءء ءبءءلء رماوأ راءصء نكمي  
ءمءنءب VPIM و SMTP طاشن ءبءقارمء

1 ءوطءلء smtp all ءكءبشءلء ءبءء

SMTP ءاءء ءبءقارم

2 ءوطءلء vpim all ءكءبشءلء ءبءء

VPIM ءاءء ءبءقارم

3 ءوطءلء ءبءءلءء ءقؤمءلء نءءمءلء لءء راءظء

ءشءشءلء ءلء ءبءءلءء ءقؤمءلء نءءمءلء ءءءءءم ضرع

## اهحال صإو ءاطخأل فاشككسا ءلءمء

قءلم نم ءلءسر لءسرا ءنء (2 ءقؤمءلء) لءسرا لء ءقؤمءلء ءبءءلء رماوأ ءارءلء ءلء لءءم ءلءء ءمءف  
3001 ءقؤمءلء قءلم ءلء 2001 ءقؤمءلء

```
cue-nm-2691#
trace networking smtp all
cue-nm-2691#
trace networking vpim all
cue-nm-2691#
show trace buffer tail
Press <CTRL-C> to exit...
2464 10/22 09:10:05.206 VMSS vmdb 0 Freed connection: 1, inUse: 0, active: 3
2805 10/22 09:25:07.844 netw smtp 2
2805 10/22 09:25:07.869 netw smtp 1
7177 10/22 09:25:07.913 netw smtp 3 a.3.235.128
7177 10/22 09:25:07.918 netw smtp 4
7177 10/22 09:25:17.966 netw smtp 6 220 a.3.235.128 Simple Mail Transfer Service Ready
7177 10/22 09:25:17.966 netw smtp 5 EHLO
```

```

7177 10/22 09:25:17.972 netw smtp 6 250-a.3.235.128 (Cisco Unity Express)
7177 10/22 09:25:17.973 netw smtp 6 250-X-VPIM-Wave
7177 10/22 09:25:17.975 netw smtp 6 250-X-Broadcast
7177 10/22 09:25:17.978 netw smtp 6 250-DSN NOTIFY
7177 10/22 09:25:17.981 netw smtp 6 250 SIZE
7177 10/22 09:25:18.478 netw smtp 5 MAIL FROM 3001@a.3.229.128
7177 10/22 09:25:18.488 netw smtp 6 250 ok
7177 10/22 09:25:18.490 netw smtp 5 RCPT TO 2001@a.3.235.128
7177 10/22 09:25:18.495 netw smtp 6 250 ok
7177 10/22 09:25:18.497 netw smtp 5 DATA
7177 10/22 09:25:18.501 netw smtp 6 354 Start mail input; end with <CRLF>.<CRLF>
7177 10/22 09:25:18.509 netw vpim 3 VPIM
7177 10/22 09:25:18.543 netw vpim 3 VPIM: To: <2001@a.3.235.128>
7177 10/22 09:25:18.544 netw vpim 3 VPIM: From: User<3001@a.3.229.128>
7177 10/22 09:25:18.546 netw vpim 3 VPIM: Date: Fri, 22 Oct 2004 09:25:07 -0700 (PDT)
7177 10/22 09:25:18.547 netw vpim 3 VPIM: MIME-Version: 1.0 (Voice 2.0)
7177 10/22 09:25:18.547 netw vpim 3 VPIM: Content-Type: Multipart/Voice-Message; Version=2.0;
7177 10/22 09:25:18.547 netw vpim 3 VPIM: Boundary=="=VpimMsg==1098462318504"
7177 10/22 09:25:18.547 netw vpim 3 VPIM: Content-Transfer-Encoding: 7bit
7177 10/22 09:25:18.547 netw vpim 3 VPIM: Message-ID: <1098462307586_0@a.3.229.128>
7177 10/22 09:25:18.548 netw vpim 3 VPIM:
7177 10/22 09:25:18.550 netw vpim 3 VPIM: ---=VpimMsg==1098462318504
7177 10/22 09:25:18.550 netw vpim 3 VPIM: Content-Type: text/directory; charset=us-ascii; profile=vCard
7177 10/22 09:25:18.551 netw vpim 3 VPIM: Content-Transfer-Encoding: 7bit
7177 10/22 09:25:18.551 netw vpim 3 VPIM: Content-Disposition: attachment; filename="User.vcf"
7177 10/22 09:25:18.551 netw vpim 3 VPIM:
7177 10/22 09:25:18.551 netw vpim 3 VPIM: BEGIN:vCard
7177 10/22 09:25:18.551 netw vpim 3 VPIM: FN:User
7177 10/22 09:25:18.552 netw vpim 3 VPIM: EMAIL;TYPE=INTERNET;TYPE=VPIM:3001@a.3.229.128
7177 10/22 09:25:18.552 netw vpim 3 VPIM: TEL:3001
7177 10/22 09:25:18.552 netw vpim 3 VPIM: VERSION: 3.0
7177 10/22 09:25:18.552 netw vpim 3 VPIM: END:vCard
7177 10/22 09:25:18.553 netw vpim 3 VPIM:
7177 10/22 09:25:18.597 netw vpim 3 VPIM: ---=VpimMsg==1098462318504
7177 10/22 09:25:18.597 netw vpim 3 VPIM: Content-Type: Audio/x-wav
7177 10/22 09:25:18.597 netw vpim 3 VPIM: Content-Transfer-Encoding: Base64
7177 10/22 09:25:18.597 netw vpim 3 VPIM: Content-Disposition: inline; voice=Originator-Spoken-Name
7177 10/22 09:25:18.598 netw vpim 3 VPIM:
7177 10/22 09:25:18.646 netw vpim 3 VPIM: Uk1GRjI3AABXQVZFZm10IBIAAAAHAAEAQB8AAEAfAAABAAgAAABmYWN0BAAA
APT6/fr6+/19eXZ4e3l4eXt9/fv9fX37/f/9/f/7/X17eXt5eH37/f34+vv7+Pv/+/v7/339//99
eHh7e3l4fX3//Xt9/33///3///v6+Pb7/fv9//99/317e3t9/319/3l0eHn//3t9ff/9+Pj///r0

```

نم ةلاسر لاسرا دنع (3 عقوملا) يق لتم ل ع قوم ل ع بت ل رما و ا ج ا ر خ ا ل ع ل ا ث م ي ل ي ا م ي ف  
3001. 3 عقوملا ق ح لم ي ل ا 2002 2 عقوملا ق ح لم

```

cue-cme3725#
trace networking smtp all
cue-cme3725#
trace networking vpim all
cue-cme3725#
show trace buffer tail
Press <CTRL-C> to exit...
3220 11/08 08:58:43.359 ACCN HTTS 0 -> LtdSemaph [1297198140] permits: 1 limit: 1
3082 11/08 09:03:23.851 netw smtp 2
3082 11/08 09:03:33.871 netw smtp 3 socket hostName: a.3.229.128, hostAddress: a.3.229.128
3082 11/08 09:03:33.872 netw smtp 3 hostname: a.3.229.128 found in good address cache
3082 11/08 09:03:33.882 netw smtp 1

```

8850 11/08 09:03:33.888 netw smtp 5 Initial connection message  
8850 11/08 09:03:33.893 netw smtp 6 UNKNOWN: EHLO a.3.229.128  
8850 11/08 09:03:33.894 netw smtp 5 250-a.3.235.128  
8850 11/08 09:03:34.400 netw smtp 6 EHLO : MAIL FROM: <3001@a.3.229.128>  
8850 11/08 09:03:34.406 netw smtp 5 250 ok  
8850 11/08 09:03:34.411 netw smtp 6 MAIL FROM:: RCPT TO: <2002@a.3.235.128>  
8850 11/08 09:03:34.412 netw smtp 5 250 ok  
8850 11/08 09:03:34.417 netw smtp 6 RCPT TO:: DATA  
8850 11/08 09:03:34.417 netw smtp 5 354 Start data  
8850 11/08 09:03:34.483 netw vvim 4 VPIM: To: <2002@a.3.235.128>  
8850 11/08 09:03:34.486 netw vvim 4 VPIM: From: User<3001@a.3.229.128>  
8850 11/08 09:03:34.489 netw vvim 4 VPIM: Date: Fri, 22 Oct 2004 09:30:06 -0700 (PDT)  
8850 11/08 09:03:34.494 netw vvim 4 VPIM: MIME-Version: 1.0 (Voice 2.0)  
8850 11/08 09:03:34.497 netw vvim 4 VPIM: Content-Type: Multipart/Voice-Message; Version=2.0;Boundary=""  
8850 11/08 09:03:34.501 netw vvim 4 VPIM: Content-Transfer-Encoding: 7bit  
8850 11/08 09:03:34.504 netw vvim 4 VPIM: Message-ID: <1098462606180\_0@a.3.229.128>  
8850 11/08 09:03:34.507 netw vvim 4 VPIM:  
8850 11/08 09:03:34.510 netw vvim 4 VPIM: ---=VvimMsg==1098462616955  
8850 11/08 09:03:34.523 netw vvim 1 Message  
8850 11/08 09:03:34.528 netw vvim 4 VPIM: Content-Type: text/directory; charset=us-ascii; profile=vCard  
8850 11/08 09:03:34.532 netw vvim 4 vCard: Content-Transfer-Encoding: 7bit  
8850 11/08 09:03:34.535 netw vvim 4 vCard: Content-Disposition: attachment; filename="User.vcf"  
8850 11/08 09:03:34.538 netw vvim 4 vCard:  
8850 11/08 09:03:34.541 netw vvim 4 vCard: BEGIN:vCard  
8850 11/08 09:03:34.544 netw vvim 4 vCard: FN:User  
8850 11/08 09:03:34.547 netw vvim 4 vCard: EMAIL;TYPE=INTERNET;TYPE=VPIM:3001@a.3.229.128  
8850 11/08 09:03:34.550 netw vvim 4 vCard: TEL:3001  
8850 11/08 09:03:34.553 netw vvim 4 vCard: VERSION: 3.0  
8850 11/08 09:03:34.556 netw vvim 4 vCard: END:vCard  
8850 11/08 09:03:34.559 netw vvim 4 vCard:  
8850 11/08 09:03:34.564 netw vvim 4 vCard: ---=VvimMsg==1098462616955  
8850 11/08 09:03:34.570 netw vvim 4 VPIM: Content-Type: Audio/x-av  
8850 11/08 09:03:34.573 netw vvim 4 VPIM: Content-Transfer-Encoding: Base64  
8850 11/08 09:03:34.577 netw vvim 4 VPIM: Content-Disposition: inline; voice=Originator-Spoken-Name  
8850 11/08 09:03:34.585 netw vvim 5 17477  
8850 11/08 09:03:34.588 netw vvim 4 VPIM audio: Uk1GRjI3AABXQVZFZm10IBIAAAAHAAEAQB8AAEAfAAABAAgAAABmYWNW  
8850 11/08 09:03:34.589 netw vvim 4 VPIM audio: APT6/fr6+/19eXZ4e3l4eXt9/fv9fX37/f/9/f/7/X17eXt5eH37/f3  
8850 11/08 09:03:34.591 netw vvim 4 VPIM audio: eHh7e3l4fX3//Xt9/33///3///v6+Pb7/fv9//99/317e3t9/319/31  
8850 11/08 09:03:34.593 netw vvim 4 VPIM audio: 9vb2+/99/319/X12/319///9//99e//9fX19ffv/ffv//fv69vj6+vv  
8850 11/08 09:03:34.594 netw vvim 4 VPIM audio: +33//f//eXh7+/39+v/9+vr6+/v9ff99//r///v9/fr7+/v/e3h5e3h  
8850 11/08 09:03:34.596 netw vvim 4 VPIM audio:

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ةمچرتل هذه لوج

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