

في IP فتاه ليجست ءاغلإ ءاطخأ فاشكتسأ اهالصلإو CUCM

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قم دقملإ

عم لچسم ريغ وأ لچسم ريغ IP فتاه ءاطخأ فاشكتسأ ءدب ءيفيك دنتسملإ اذه حضوي
اهالصلإو CUCM

تابل طتملإ

ءيلالتلإ عيضاوملاب ءفرعم كيدل نوكت نأب Cisco ي صوت

• Cisco IP فتاه ليجست ءيلمع

- Cisco Unified Communications Manager (CUCM)
- (DNS) لاجملا مسا مازن
- (CDP هراصتخا) Cisco فاشكتسا لوكوتورب
- (DHCP) ةيكيما نيدلا ةفاضتسال نيوكت لوكوتورب
- (TFTP) طسبملا تافلما لقن لوكوتورب
- (VLAN ةكبش) ةيتوصلال ةيرهاظلا LAN ةكبش
- (PoE) تنرثي ةكبش ربع ةقاطلاب ديوزتلا

ةمدختسملا تانوكملا

ةيلاتلا ةيداملا تانوكملا وجماربلا تارادصا ىلا دنتسملا اذه في ةدراولا تامولعمل دنتست

- CUCM 11.5(1)SU9
- SIP IP Phone 8811 SIP88xx.14-2-1-0001-14 فاته

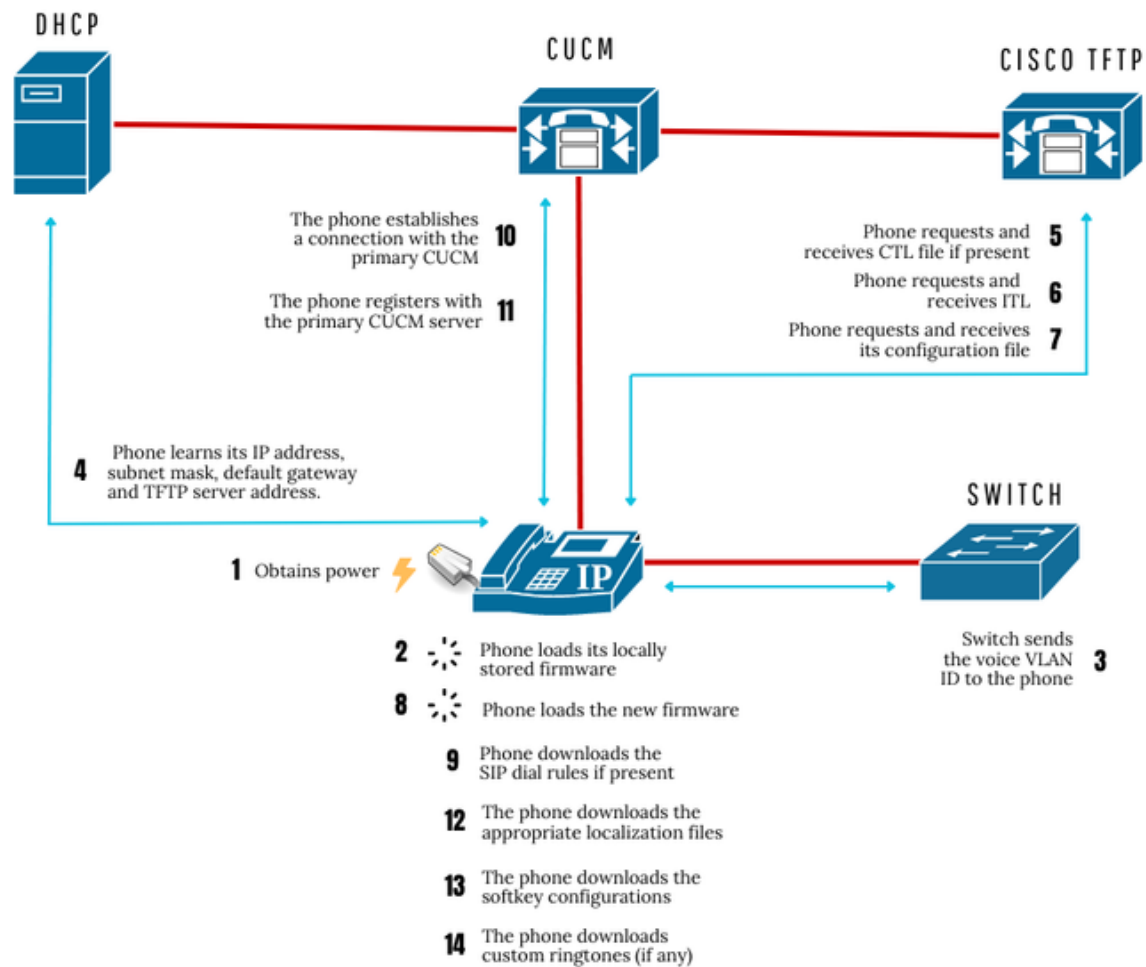
ةصاخ ةيلمعم ةئيبي في ةدوجوملا ةزهجال نم دنتسملا اذه في ةدراولا تامولعمل عاشنإ مت
تناك اذا. (يضا رتفا) حوسمم نيوكتب دنتسملا اذه في ةمدختسملا ةزهجال عيجم تادب
رمأ يال لمحتملا ريثأتلل كمهف نم دكأتف، ليغشتلا ديقتك تكبش

ةيساسا تامولعم

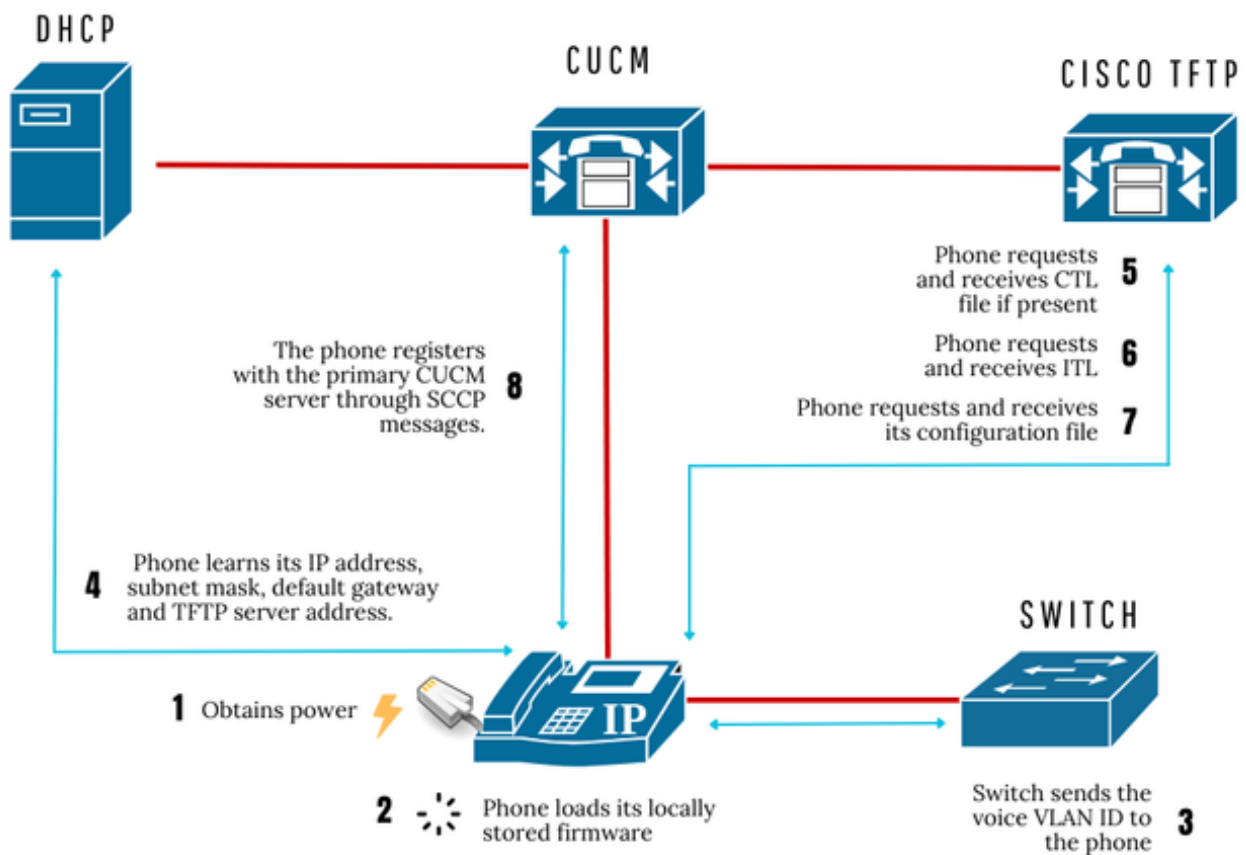
وأ (Skinny (SCCP لوكوتورب مدختسي ازاهج ناك اذا ام ىلع CUCM في زاهج ليچست دمتعي
فاشكتسا نإف كلذ عمو، امهنيب تاوطخلا ضعب ريغتتو، (SIP) لمعلا ةسلج ادب لوكوتورب
اهب ليچستلاب فتهال موقي يتلا تاوطخلا ىلع زكريو هسفن وه اهحالصا واطخال

اهب رمي يتلا ةيلمعل مهف لالخنم اهحالصا وةزهجال ليچست ءاطخا فاشكتسا يرورضلا نم
حيحص لكشب ليچستلل زاهجال

SIP ليچست ةيلمع



SCCP ليچست ةيلمع



ةلكشملا

جماربلا وأ ةزهجالا يف ببيعو يئابرهكلا رايتلا عاطقنا لثم ثادحالا ضعب ببستت دق فتاه ليحست مدع يف اهريغو ةكبشلا يف ةمدخلا ةدوج صقنو ةرقئتسملا ريغتالاصتالاو نمف ،اعطقتما ئيش وأ ادحاو ائدح كلذ ناك ءاوسو . "تاملكملا ةرادا" نم فتاوهالا نم رثكا وأ دحاو .اهقاطن قييضت لجأ نم ةلكشملا حيضوت مهملا

اهحيضوت بولطم تامولعم

- CUCM نم لماكلا رادصلا
- ؟نعم جذومن عم طقف كلذ ثدحي له
- ؟دحاو عقوم وأ دحاو عقوم يف كلذ ثدحي له
- ؟ترثأت يتلا فتاوهالا ددع مك
- ؟تباثلا جماربلا رادصا سفن يف فتاوهالا عيمج كترشت له
- ؟اهضفخ وأ ةتباثلا جماربلا ةيقرتب ارخؤم تمق له
- ؟ارخؤم تاداهشلا ءاشنإ ةداعإب تمق له
- ؟عنصملا طبض ةداعإب تمق له

- عاشت امك خي بوت لل ةلباق ةي ضقلا له
- ةلكشملا ثودح ءدب دنع ينمزللا عباطلاو ةرثأتملا فتاوهلل MAC نيوانع ضعب ظحال

اهعمج بولطملا تالچسلا

روثعلل فتاهلا ليچست ةيلمع يف كراشم نوكم لكل تالچس كانه نوكي نأ يرورضلا نم
ةلكشملا ناكم ىلع

فتاهلا نم

IP فتاهل بيو ةحفص ىلع

- مكحتلا ءدحو تالچس وأ (PRT) فتاهلا ةلكشم ريرقت

(امئاد بولطم ريغ) Wireshark عقوم ىلع

- فتاهلا نم PCAP

CUCM نم

(يلعفل تقولا ةبقارم ءادأ) RTMT نم

- Cisco CallManager تاراسم
- ثادحلأا ضراع قيبطت لچس
- ثادحلأا ضراع ماظن لچس
- Cisco TFTP

(امئاد ءجاح دجوت ال) CUCM ل (CLI) رماوأل رطس ةهجاو ةسلج نم

- (فتاهلا ليچست متي ثيخ) يساسأ CUCM نم PCAP

لوحمل نم

- (فتاهلل PCAP عيجمت رذعت ءلاح يف يرايتخا) نيتماعد ني ب ءحسف



فتاهال لي صافات و مهم ةلك شمل ا ثودح دن ع ينم زلا ع باطل ا ىل ع لوصحال :ةظحال م
(فتاوهال).

تالچسالا ةلدأ عي مچت ةي فيك

- [RTMT نم CUCM تالچس عي مچت ةي فيك](#)
- [IP Phone PCAP عي مچت ةي فيك](#)
- [CUCM PCAP عي مچت ةي فيك](#)
- [تنرتنالا لوكوتورب فتاه لاصتا ميظنت ةداعا قي رف عي مچت ةي فيك](#)
- [فتاهال مكحت ةدحو تالچس عي مچت ةي فيك](#)
- [حاتفم ىل ع نيتماعد ني ب ةحس ف عمچي نأ فيك](#)

مكحتال ةدحو/رامعالا ةداعا قي رف تالچس مهف

ىرخالا تانوكملا نم (اهريغو دربم ليكشت ip) صاخ ةمس بلطي نأ ذخأي فتاهال نأ ةيلمعال
قي رف نمضتي .لچس مكحتلل ةيفرط ةدحو لا في وأ port لا في تيأر عي طتسي ةينعمال
مكحتال ةدحو تالچس يمي لقالا رامعالا ةداعا

نم ،ءانبالا ةداعا قي رف نمض مكحتال ةدحو تالچس ةعارق ىل ع ارداق نوكتل :ةظحال م
تانايبالا > Date-time-MACAddress راسملا في ةدوچوملا تادلچملا طغض كف يرورضلا
ةيسيئرلا > لوخدلا ليچست >

چمانربال ةروصل فتاهال لي مچت ةي فيك مكحتال تادحو/لمعالا قرف تالچس رهظت *****
تباثلا *****

1429 NOT Jul 21 18:05:16.217247 (620-869) JAVA-SIPCC-PLAT_API: extract_release_num_from_phone_load_name

***** فلم (CTL) اه ب قوٹوملا تاداهشلا ةمئاق بلطي فتاهال *****

2056 NOT Jul 21 18:05:24.839195 (351-928) downd-GETXXTP [GT351][src=CTLSEPD0EC35C1D98E.tlv][dest=/tmp/C
2057 NOT Jul 21 18:05:24.839912 (351-928) downd-handle_get_file:SEP file is:SEPD0EC35C1D98E.cnf.xml
2058 NOT Jul 21 18:05:24.840023 (351-928) downd-handle_get_file:dst:/tmp/CTLFile.tlv
2059 NOT Jul 21 18:05:24.891683 (351-928) downd-In normal mode, call - > makeXXTPrequest (V6...)
2060 NOT Jul 21 18:05:24.892095 (351-928) downd-EMCC mode is false
2061 NOT Jul 21 18:05:24.893087 (351-928) downd-parseDhcpInfoIntoTftpList(): no valid load server
2062 NOT Jul 21 18:05:24.893555 (351-928) downd-AUTH.SRVR [GT351] look up server - 0 - 198.51.100.30
2063 NOT Jul 21 18:05:24.944833 (351-928) downd-AUTH.SRVR [GT351] authentication retval = 9
2064 NOT Jul 21 18:05:24.944987 (351-928) downd-XXTP Non secure file requested
2065 NOT Jul 21 18:05:24.945138 (351-928) downd-tftp.avail file does not exist, so creating it

ناك اذًا) بلطلال إلى دوجوم ريغ 404 مقرر TFTP لسري، نم آريغ عضو يف ةعومجمل ماظن ناك اذًا
(200 OK لاسر TFTP إلى بجي يف، طلتخم عضو يف ةعومجمل ماظن

2078 NOT Jul 21 18:05:24.947516 (351-931) downd-XXX arg[4] CTLSEPD0EC35C1D98E.tlv
2079 NOT Jul 21 18:05:24.947550 (351-931) downd-XXX arg[5] /tmp/CTLFile.tlv
2080 NOT Jul 21 18:05:24.947584 (351-931) downd-XXX arg[6] (null)
2081 NOT Jul 21 18:05:24.976370 (931-931) GHTTP-LIMIT download will be limited to 8192 KB
2082 ERR Jul 21 18:05:24.994707 (931-931) GHTTP-http get [HTTP/1.1 404 Not Found^M

***** (ITL) ةيوهل ني مأت ةمئاق فلم فتاهل تابلط *****

2088 NOT Jul 21 18:05:25.049240 (351-935) downd-GETXXTP [GT351][src=ITLSEPD0EC35C1D98E.tlv][dest=/tmp/I
2089 NOT Jul 21 18:05:25.049419 (351-935) downd-handle_get_file:SEP file is:SEPD0EC35C1D98E.cnf.xml
2090 NOT Jul 21 18:05:25.049484 (351-935) downd-handle_get_file:dst:/tmp/ITLFile.tlv
2091 NOT Jul 21 18:05:25.049525 (351-935) downd-handle_get_file:downloading ITLFILE
2092 NOT Jul 21 18:05:25.100110 (351-935) downd-In normal mode, call - > makeXXTPrequest (V6...)

ITL فلم بلطل 200 OK TFTP لسري

2110 NOT Jul 21 18:05:25.153781 (351-938) downd-XXX arg[4] ITLSEPD0EC35C1D98E.tlv
2111 NOT Jul 21 18:05:25.153815 (351-938) downd-XXX arg[5] /tmp/ITLFile.tlv
2112 NOT Jul 21 18:05:25.153849 (351-938) downd-XXX arg[6] (null)
2113 NOT Jul 21 18:05:25.166084 (938-938) GHTTP-LIMIT download will be limited to 8192 KB
2114 NOT Jul 21 18:05:25.168904 (938-938) GHTTP-hdr->HTTP/1.1 200 OK
2115 NOT Jul 21 18:05:25.169081 (938-938) GHTTP-hdr->Content-length: 11698
2116 NOT Jul 21 18:05:25.169149 (938-938) GHTTP-hdr->Cache-Control: no-store
2117 NOT Jul 21 18:05:25.169211 (938-938) GHTTP-hdr->Content-type: /*

2118 NOT Jul 21 18:05:25.170338 (351-935) downd-PARENT, child process status: 25600
2119 NOT Jul 21 18:05:25.170472 (351-935) downd-NORMAL tftp-exit 100
2120 NOT Jul 21 18:05:25.170724 (351-935) downd-XXTP complete - status = 100
2121 NOT Jul 21 18:05:25.170755 (351-935) downd-cancel the monitor timer
2122 NOT Jul 21 18:05:25.175638 (355-939) SECUREAPP-validateSignedCTL: new TL matches old, not updating
2123 NOT Jul 21 18:05:25.186516 (351-935) downd-DDGETTFTP.RESULT [_100_ HTTP NO ERROR

***** نيوكتال فلم TFTP إلى فتاهل تابلط *****

2140 NOT Jul 21 18:05:26.436017 (351-965) downd-GETXXTP [GT351][src=SEPD0EC35C1D98E.cnf.xml][dest=/tmp/
2141 NOT Jul 21 18:05:26.436216 (351-965) downd-handle_get_file:SEP file is:SEPD0EC35C1D98E.cnf.xml
2142 NOT Jul 21 18:05:26.436285 (351-965) downd-handle_get_file:dst:/tmp/ram/SEPD0EC35C1D98E.cnf.xml.19
2143 NOT Jul 21 18:05:26.436346 (351-965) downd-handle_get_file:downloading CNF FILE
2144 NOT Jul 21 18:05:26.487402 (351-965) downd-In normal mode, call - > makeXXTPrequest (V6...)
2145 NOT Jul 21 18:05:26.487841 (351-965) downd-EMCC mode is false
2146 NOT Jul 21 18:05:26.488595 (351-965) downd-parseDhcpInfoIntoTftpList(): no valid load server
2147 NOT Jul 21 18:05:26.488787 (351-965) downd-AUTH.SRVR [GT351] look up server - 0 - 198.51.100.30
2148 NOT Jul 21 18:05:26.539279 (351-965) downd-AUTH.SRVR [GT351] authentication retval = 9
2149 NOT Jul 21 18:05:26.539419 (351-965) downd-XXTP Secure file requested
2150 NOT Jul 21 18:05:26.539536 (351-965) downd-XXTP authenticated file approved - add .sgn if necessary

***** نيوكتال فلم لي زنت فتاهل *****

137 NOT Jul 21 18:05:26.432207 (620-840) JAVA-configmgr MQThread|cip.cfg.Config: - Requesting CONFIG fi
2138 INF Jul 21 18:05:26.432653 (620-840) JAVA-[[MESSAGE_1.0]]: [CONFIG-MGR] --> tftpRequest(ram/SEPD0E
2139 NOT Jul 21 18:05:26.435882 (351-965) downd-start the monitor timer
2140 NOT Jul 21 18:05:26.436017 (351-965) downd-GETXXTP [GT351][src=SEPD0EC35C1D98E.cnf.xml][dest=/tmp/
2141 NOT Jul 21 18:05:26.436216 (351-965) downd-handle_get_file:SEP file is:SEPD0EC35C1D98E.cnf.xml
2142 NOT Jul 21 18:05:26.436285 (351-965) downd-handle_get_file:dst:/tmp/ram/SEPD0EC35C1D98E.cnf.xml.19
2143 NOT Jul 21 18:05:26.436346 (351-965) downd-handle_get_file:downloading CNF FILE
2144 NOT Jul 21 18:05:26.487402 (351-965) downd-In normal mode, call - > makeXXTPrequest (V6...)
2145 NOT Jul 21 18:05:26.487841 (351-965) downd-EMCC mode is false
2146 NOT Jul 21 18:05:26.488595 (351-965) downd-parseDhcpInfoIntoTftpList(): no valid load server
2147 NOT Jul 21 18:05:26.488787 (351-965) downd-AUTH.SRVR [GT351] look up server - 0 - 198.51.100.30
2148 NOT Jul 21 18:05:26.539279 (351-965) downd-AUTH.SRVR [GT351] authentication retval = 9
2149 NOT Jul 21 18:05:26.539419 (351-965) downd-XXTP Secure file requested
2150 NOT Jul 21 18:05:26.539536 (351-965) downd-XXTP authenticated file approved - add .sgn if necessary

نيوكتال فلم بلط إلى TFTP 200 OK لسري

2163 NOT Jul 21 18:05:26.541364 (351-968) downd-XXX arg[4] SEPDOEC35C1D98E.cnf.xml.sgn
2164 NOT Jul 21 18:05:26.541398 (351-968) downd-XXX arg[5] /tmp/ram/SEPDOEC35C1D98E.cnf.xml.19036
2165 NOT Jul 21 18:05:26.541432 (351-968) downd-XXX arg[6] (null)
2166 NOT Jul 21 18:05:26.552194 (968-968) GHTTP-LIMIT download will be limited to 8192 KB
2167 NOT Jul 21 18:05:26.603994 (968-968) GHTTP-hdr->HTTP/1.1 200 OK
2168 NOT Jul 21 18:05:26.604360 (968-968) GHTTP-hdr->Content-length: 14939
2169 NOT Jul 21 18:05:26.604470 (968-968) GHTTP-hdr->Cache-Control: no-store
2170 NOT Jul 21 18:05:26.604523 (968-968) GHTTP-hdr->Content-type: */*
2171 NOT Jul 21 18:05:26.607331 (351-965) downd-PARENT, child process status: 25600
2172 NOT Jul 21 18:05:26.607479 (351-965) downd-NORMAL tftp-exit 100
2173 NOT Jul 21 18:05:26.607504 (351-965) downd-XXTP complete - status = 100

***** دي دجال تباثال جمانربال لمحي فتاهال *****

2202 NOT Jul 21 18:05:27.530229 (620-981) JAVA-Seamless Upgrade Thread|UpgradeService: - Got request fo
2203 NOT Jul 21 18:05:27.530908 (620-981) JAVA-Seamless Upgrade Thread|UpgradeService: - and (sip88xx.1

***** نيوكتال فلم ىلع ةبوتكمال تاملعمل عي مج فتاهال نحشي *****

4479 NOT Jul 17 22:29:45.818159 (559-1232) JAVA-configmgr MQThread|cip.cfg.Config: - HEADSET_DISCOVERY_
4480 NOT Jul 17 22:29:45.819013 (559-1232) JAVA-configmgr MQThread|cip.cfg.SipConfig: - Entering setPro
4481 NOT Jul 17 22:29:45.998381 (559-1232) JAVA-configmgr MQThread|cip.cfg.SipConfig:? - embrace featur
4482 NOT Jul 17 22:29:46.037905 (559-1232) JAVA-configmgr MQThread|cip.cfg.SipConfig: - Exiting setProt
4483 NOT Jul 17 22:29:46.106088 (559-1232) JAVA-configmgr MQThread|cip.cfg.Config: - CUCM in config fil
4484 NOT Jul 17 22:29:46.107950 (559-1232) JAVA-configmgr MQThread|cip.cfg.Config: - CUCM in config fil
4485 NOT Jul 17 22:29:46.109415 (559-1232) JAVA-configmgr MQThread|cip.cfg.Config: - CUCM in config fil
4486 NOT Jul 17 22:29:46.111032 (559-1232) JAVA-configmgr MQThread|cip.cfg.Config: - CUCM in config fil
4487 NOT Jul 17 22:29:46.112528 (559-1232) JAVA-configmgr MQThread|cip.cfg.Config: - CUCM in config fil
4488 WRN Jul 17 22:29:46.291408 (345-2829) SECUREAPP-SEC_CAPF_N_IN_USE: CAPF not in use, user cancel ig
4489 NOT Jul 17 22:29:46.341949 (559-1232) JAVA-configmgr MQThread|cip.sec.CapfProperty:? - CapfProp 96

***** ةلاس رلا لي جس ت *****

```
6260 DEB Jul 17 22:29:50.880584 (610-796) JAVA-SIPCC-SIP_STATE: 201/1, sip_reg_sm_change_state: Registr
6261 DEB Jul 17 22:29:50.880638 (610-796) JAVA-SIPCC-SIP_MSG_SEND: ccsip_register_send_msg: cmd=85=SIP_
6262 DEB Jul 17 22:29:50.880750 (610-796) JAVA-SIPCC-SIP_STATE: 201/1, sip_reg_sm_change_state: Registr
```

***** CUCM إلى SIP لجس ,ة لاس ,ر فتاهل ل س ,ر *****

```

76 DEB Jul 17 22:29:50.882403 (610-796) JAVA-sipio-sent---> REGISTER sip:198.51.100.31 SIP/2.0^M
    Via: SIP/2.0/TCP 198.51.100.109:50020;branch=z9hG4bK775c97a8^M
    From: <sip:***@198.51.100.31>;tag=d0ec35c1d98e2e142ea51ccd-2fdbbe4d^M
    To: <sip:***@198.51.100.31>^M
    Call-ID: d0ec35c1-d98e0017-3593f645-7a3311ca@198.51.100.109^M
    Max-Forwards: 70^M
    Session-ID: 0ffda3aa00105000a000d0ec35c1d98e;remote=00000000000000000000000000000000^M
    Date: Mon, 17 Jul 2023 22:29:50 GMT^M
    CSeq: 11749 REGISTER^M
    User-Agent: Cisco-CP8811/14.2.1^M
    Contact: <sip:***@198.51.100.109:50020;transport=tcp>;+sip.instance="<urn:uuid:00000000-0000-0000-0000-000000000000>"^M
    Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-callinfo,X-cisco-cc^M
    Content-Length: 0^M
    Expires: 3600^M
    ^M

```

***** CUCM نم ةملتسم لجسلا يلا SIP بيرجت ةلاس *****

```
6284 DEB Jul 17 22:29:50.884485 (610-796) JAVA-sipio-recv<--- SIP/2.0 100 Trying^M
      Via: SIP/2.0/TCP 198.51.100.109:50020;branch=z9hG4bK775c97a8^M
      From: <sip:***@198.51.100.31>;tag=d0ec35c1d98e2e142ea51ccd-2fdbbe4d^M
      To: <sip:***@198.51.100.31>^M
      Date: Mon, 17 Jul 2023 22:29:52 GMT^M
      Call-ID: d0ec35c1-d98e0017-3593f645-7a3311ca@198.51.100.109^M
      CSeq: 11749 REGISTER^M
      Content-Length: 0^M
      ^M
```

***** CUCM نم ةدراول ل ل ج س ل ا ة ل ا س ر ل ة ب ا ج ت س ا ق ف ا و م 200 *****

6294 DEB Jul 17 22:29:50.885744 (610-796) JAVA-sipio-recv<--- SIP/2.0 200 OK^M

Via: SIP/2.0/TCP 198.51.100.109:50020;branch=z9hG4bK775c97a8^M
From: <sip:***@198.51.100.31>;tag=d0ec35c1d98e2e142ea51ccd-2fdbbe4d^M
To: <sip:***@198.51.100.31>;tag=696179034^M
Date: Mon, 17 Jul 2023 22:29:52 GMT^M
Call-ID: d0ec35c1-d98e0017-3593f645-7a3311ca@198.51.100.109^M
Server: Cisco-CUCM14.0^M
CSeq: 11749 REGISTER^M
Expires: 120^M
Contact: <sip:***@198.51.100.109:50020;transport=tcp>;+sip.instance="urn:uuid:00000000-0000-0000-0000-0000-0000-0000-0000-0000" ^M
Supported: X-cisco-srtp-fallback,X-cisco-sis-10.0.0^M
Content-Length: 0^M
^M

IP فاهل PCAP ليجست ةللمع

تانوكمال عم لاصتال اارجاب زاهال موقى فيك ىلع ةلماكل ةللمعلا ضرع متي PCAP في
تالجلال في ىري مل ام لىصفتلاب ىرت نا ديرت تنك اذا CUCM، TFTP، DHCP لثم ىرخال
ايرورض نويس PCAP نإف

فاهللاب صاخال IP ناوع XX.XX.XX.XX مقر لثمى شيح
SIP: ((tcp) || (http) || (sip) & (ip.addr == XX.XX.XX.XX) ةزهجأ ةلاح في هب ىصوم ةيفصت لماع

SCCP: (((tcp) || (http) || (ip.addr == XX.XX.XX.XX) & (كمسال لىلق) || (http) || (tcp) & (ip.addr == XX.XX.XX.XX) ةزهجأ ةلاح في هب ىصوم حشرم

فاهللاب صاخال IP ناوع XX.XX.XX.XX مقر لثمى شيح

رخآ راىخ وأ

SIP: ((tcp) || (http) || (sip) & (eth.addr == yyyyyyyyyy) ةزهجأ ةلاح في

SCCP: (((tcp) || (http) || (ip.addr == yyyyyyyyyy) & (فاحن) || (http) || (tcp) & (ip.addr == yyyyyyyyyy) ةزهجأ ةلاح في

فاهللاب Mac of yyyyyyyyyy ل شيح

MAC ناوع مادختسإ اضيأ كنكمى
yy:yy:yy:yy:yy:yy == addr. ث: نولوقال عم

No.	Time	Source	Destination	Protocol	Length	Info
TCP	66.49744 → 6970			[ACK] Seq=89 Ack=1534 Win=17496 Len=0 TSval=4294952671 TSecr=3456007361		
TCP	66.49744 → 6970			[ACK] Seq=89 Ack=2982 Win=20392 Len=0 TSval=4294952671 TSecr=3456007361		
TCP	66.49744 → 6970			[ACK] Seq=89 Ack=4207 Win=23288 Len=0 TSval=4294952671 TSecr=3456007361		
TCP	66.49744 → 6970			[FIN, ACK] Seq=89 Ack=4207 Win=23288 Len=0 TSval=4294952688 TSecr=3456007361		
TCP	66.6970 → 49744			[FIN, ACK] Seq=4207 Ack=90 Win=29056 Len=0 TSval=3456007531 TSecr=4294952688		
TCP	66.49744 → 6970			[ACK] Seq=90 Ack=4208 Win=23288 Len=0 TSval=4294952688 TSecr=3456007531		
TCP	74.49745 → 6970			[SYN] Seq=0 Win=14600 Len=0 MSS=1460 SACK_PERM TSval=4294955939 TSecr=0 WS=4		
TCP	74.6970 → 49745			[SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1460 SACK_PERM TSval=3456040050 TSecr=4294955939 WS=128		
TCP	66.49745 → 6970			[ACK] Seq=1 Ack=1 Win=14600 Len=0 TSval=4294955940 TSecr=3456040050		
HTTP	130 GET /CTLSEP38ED18AF7658.tlv HTTP/1.1					
TCP	66.6970 → 49745			[ACK] Seq=1 Ack=65 Win=29056 Len=0 TSval=3456040050 TSecr=4294955940		
HTTP	130 HTTP/1.1 404 Not Found					
TCP	66.49745 → 6970			[ACK] Seq=65 Ack=65 Win=14600 Len=0 TSval=4294955947 TSecr=3456040122		
TCP	66.49745 → 6970			[FIN, ACK] Seq=65 Ack=65 Win=14600 Len=0 TSval=4294955965 TSecr=3456040122		
TCP	66.6970 → 49745			[FIN, ACK] Seq=65 Ack=66 Win=29056 Len=0 TSval=3456040300 TSecr=4294955965		
TCP	66.49745 → 6970			[ACK] Seq=66 Ack=66 Win=14600 Len=0 TSval=4294955965 TSecr=3456040300		
TCP	74.49746 → 6970			[SYN] Seq=0 Win=14600 Len=0 MSS=1460 SACK_PERM TSval=4294955972 TSecr=0 WS=4		
TCP	74.6970 → 49746			[SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1460 SACK_PERM TSval=3456040372 TSecr=4294955972 WS=128		
TCP	66.49746 → 6970			[ACK] Seq=1 Ack=1 Win=14600 Len=0 TSval=4294955972 TSecr=3456040372		
HTTP	130 GET /ITLSEP38ED18AF7658.tlv HTTP/1.1					
TCP	66.6970 → 49746			[ACK] Seq=1 Ack=65 Win=29056 Len=0 TSval=3456040373 TSecr=4294955972		
TCP	152.6970 → 49746			[PSH, ACK] Seq=1 Ack=65 Win=29056 Len=86 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
TCP	66.49746 → 6970			[ACK] Seq=65 Ack=87 Win=14600 Len=0 TSval=4294955972 TSecr=3456040373		
TCP	1514.6970 → 49746			[ACK] Seq=87 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
TCP	1514.6970 → 49746			[ACK] Seq=1535 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
TCP	1514.6970 → 49746			[ACK] Seq=2983 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
TCP	1514.6970 → 49746			[ACK] Seq=4431 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
TCP	1514.6970 → 49746			[ACK] Seq=5879 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
TCP	1514.6970 → 49746			[ACK] Seq=7327 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
TCP	66.49746 → 6970			[ACK] Seq=65 Ack=1535 Win=17496 Len=0 TSval=4294955972 TSecr=3456040373		
TCP	1514.6970 → 49746			[ACK] Seq=8775 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
TCP	1514.6970 → 49746			[ACK] Seq=10223 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]		
HTTP	180 HTTP/1.1 200 OK (*)					
TCP	66.49746 → 6970			[ACK] Seq=65 Ack=2983 Win=20392 Len=0 TSval=4294955972 TSecr=3456040373		
TCP	66.49746 → 6970			[ACK] Seq=65 Ack=4431 Win=23288 Len=0 TSval=4294955972 TSecr=3456040373		

TFTP مداخلت ساب TCP ةسلج فتاهل ا حت في

Protocol	Length	Info
TCP	66.49744 → 6970	[ACK] Seq=89 Ack=1534 Win=17496 Len=0 TSval=4294952671 TSecr=3456007361
TCP	66.49744 → 6970	[ACK] Seq=89 Ack=2982 Win=20392 Len=0 TSval=4294952671 TSecr=3456007361
TCP	66.49744 → 6970	[ACK] Seq=89 Ack=4207 Win=23288 Len=0 TSval=4294952671 TSecr=3456007361
TCP	66.49744 → 6970	[FIN, ACK] Seq=89 Ack=4207 Win=23288 Len=0 TSval=4294952688 TSecr=3456007361
TCP	66.6970 → 49744	[FIN, ACK] Seq=4207 Ack=90 Win=29056 Len=0 TSval=3456007531 TSecr=4294952688
TCP	66.49744 → 6970	[ACK] Seq=90 Ack=4208 Win=23288 Len=0 TSval=4294952688 TSecr=3456007531
TCP	74.49745 → 6970	[SYN] Seq=0 Win=14600 Len=0 MSS=1460 SACK_PERM TSval=4294955939 TSecr=0 WS=4
TCP	74.6970 → 49745	[SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1460 SACK_PERM TSval=3456040050 TSecr=4294955939 WS=128
TCP	66.49745 → 6970	[ACK] Seq=1 Ack=1 Win=14600 Len=0 TSval=4294955940 TSecr=3456040050
HTTP	130 GET /CTLSEP38ED18AF7658.tlv HTTP/1.1	

TFTP نم 404 ىلع روثعلا متي ملو هلا بقتساو CTL فلم فتاهل ا بلط

TCP	66.49745 → 6970	[ACK] Seq=1 Ack=1 Win=14600 Len=0 TSval=4294955940 TSecr=3456040050
HTTP	130 GET /CTLSEP38ED18AF7658.tlv HTTP/1.1	
TCP	66.6970 → 49745	[ACK] Seq=1 Ack=65 Win=29056 Len=0 TSval=3456040050 TSecr=4294955940
HTTP	130 HTTP/1.1 404 Not Found	
TCP	66.49745 → 6970	[ACK] Seq=65 Ack=65 Win=14600 Len=0 TSval=4294955947 TSecr=3456040122
TCP	66.49745 → 6970	[FIN, ACK] Seq=65 Ack=65 Win=14600 Len=0 TSval=4294955965 TSecr=3456040122
TCP	66.6970 → 49745	[FIN, ACK] Seq=65 Ack=66 Win=29056 Len=0 TSval=3456040300 TSecr=4294955965
TCP	66.49745 → 6970	[ACK] Seq=66 Ack=66 Win=14600 Len=0 TSval=4294955965 TSecr=3456040300
TCP	74.49746 → 6970	[SYN] Seq=0 Win=14600 Len=0 MSS=1460 SACK_PERM TSval=4294955972 TSecr=0 WS=4
TCP	74.6970 → 49746	[SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1460 SACK_PERM TSval=3456040372 TSecr=4294955972 WS=128
TCP	66.49746 → 6970	[ACK] Seq=1 Ack=1 Win=14600 Len=0 TSval=4294955972 TSecr=3456040372
HTTP	130 GET /ITLSEP38ED18AF7658.tlv HTTP/1.1	

TFTP نم ملتساو ITL فلم فتاهل ا ربع بلطا

TCP	66 49746 → 6970	[ACK] Seq=1 Ack=1 Win=14600 Len=0 TSval=4294955972 TSecr=3456040372
HTTP	130 GET /ITLSEP38ED18AF7658.tlv HTTP/1.1	
TCP	66 6970 → 49746	[ACK] Seq=1 Ack=65 Win=29056 Len=0 TSval=3456040373 TSecr=4294955972
TCP	152 6970 → 49746	[PSH, ACK] Seq=1 Ack=65 Win=29056 Len=86 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=87 Win=14600 Len=0 TSval=4294955972 TSecr=3456040373
TCP	1514 6970 → 49746	[ACK] Seq=87 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49746	[ACK] Seq=1535 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49746	[ACK] Seq=2983 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49746	[ACK] Seq=4431 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49746	[ACK] Seq=5879 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49746	[ACK] Seq=7327 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=1535 Win=17496 Len=0 TSval=4294955972 TSecr=3456040373
TCP	1514 6970 → 49746	[ACK] Seq=8775 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49746	[ACK] Seq=10223 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
HTTP	180 HTTP/1.1 200 OK (*/*)	

قولغي واه اقلت يتل تانا يبل فاتاهل ربخي و، ITL فلم بلطل 200 OK لاس راب TFTP موقي
TCP ةسلج

TCP	1514 6970 → 49746	[ACK] Seq=10223 Ack=65 Win=29056 Len=1448 TSval=3456040373 TSecr=4294955972 [TCP segment of a reassembled PDU]
HTTP	180 HTTP/1.1 200 OK (*/*)	
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=2983 Win=20392 Len=0 TSval=4294955972 TSecr=3456040373
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=4431 Win=23288 Len=0 TSval=4294955972 TSecr=3456040373
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=5879 Win=26184 Len=0 TSval=4294955972 TSecr=3456040373
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=7327 Win=29080 Len=0 TSval=4294955972 TSecr=3456040373
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=8775 Win=31976 Len=0 TSval=4294955972 TSecr=3456040373
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=10223 Win=34872 Len=0 TSval=4294955972 TSecr=3456040373
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=11671 Win=37768 Len=0 TSval=4294955972 TSecr=3456040373
TCP	66 49746 → 6970	[ACK] Seq=65 Ack=11785 Win=37768 Len=0 TSval=4294955972 TSecr=3456040373
TCP	66 49746 → 6970	[FIN, ACK] Seq=65 Ack=11785 Win=37768 Len=0 TSval=4294955993 TSecr=3456040373
TCP	66 6970 → 49746	[FIN, ACK] Seq=11785 Ack=66 Win=29056 Len=0 TSval=3456040580 TSecr=4294955993
TCP	66 49746 → 6970	[ACK] Seq=66 Ack=11786 Win=37768 Len=0 TSval=4294955993 TSecr=3456040580

Phone closes TCP connection

ديج TCP لاصتا عاشن فاتاهل لواح، TFTP لى بلطل لكل ةبس نلاب :ةطحال

TCP مزج ربع فلم ال TFTP نم ملتسي و TFTP لى نيوكتال فلم فاتاهل بلطلي

TCP	66 49747 → 6970	[ACK] Seq=1 Ack=1 Win=14600 Len=0 TSval=4294956120 TSecr=3456041859
HTTP	135 GET /SEP38ED18AF7658.cnf.xml.sgn HTTP/1.1	
TCP	66 6970 → 49747	[ACK] Seq=1 Ack=70 Win=29056 Len=0 TSval=3456041859 TSecr=4294956120
TCP	152 6970 → 49747	[PSH, ACK] Seq=1 Ack=70 Win=29056 Len=86 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=87 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=1535 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=2983 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=4431 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=5879 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=7327 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=8775 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=10223 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	1514 6970 → 49747	[ACK] Seq=11671 Ack=70 Win=29056 Len=1448 TSval=3456042050 TSecr=4294956120 [TCP segment of a reassembled PDU]
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=87 Win=14600 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=1535 Win=17496 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=2983 Win=20392 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=4431 Win=23288 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=5879 Win=26184 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=7327 Win=29080 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=8775 Win=31976 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=10223 Win=34872 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=11671 Win=37768 Len=0 TSval=4294956140 TSecr=3456042050
TCP	66 49747 → 6970	[ACK] Seq=70 Ack=13119 Win=40664 Len=0 TSval=4294956140 TSecr=3456042050
TCP	1514 6970 → 49747	[ACK] Seq=13119 Ack=70 Win=29056 Len=1448 TSval=3456042051 TSecr=4294956140 [TCP segment of a reassembled PDU]

اه اقلت يتل تانا يبل فاتاهل نزخي، ITL فلم بلطل 200 OK لاس ري

HTTP	708	HTTP/1.1	200	OK	(*/*)
TCP	66	49747 → 6970	[ACK]	Seq=70	Ack=14567 Win=43560 Len=0 TSval=4294956140 TSecr=3456042051
TCP	66	49747 → 6970	[ACK]	Seq=70	Ack=15209 Win=43560 Len=0 TSval=4294956140 TSecr=3456042051
TCP	66	49747 → 6970	[FIN, ACK]	Seq=70	Ack=15209 Win=43560 Len=0 TSval=4294956154 TSecr=3456042051
TCP	66	6970 → 49747	[FIN, ACK]	Seq=15209	Ack=71 Win=29056 Len=0 TSval=3456042190 TSecr=4294956154
TCP	66	49747 → 6970	[ACK]	Seq=71	Ack=15210 Win=43560 Len=0 TSval=4294956154 TSecr=3456042190
TCP	74	49748 → 6970	[SYN]	Seq=0	Win=14600 Len=0 MSS=1460 SACK_PERM TSval=4294956540 TSecr=0 WS=4
TCP	74	6970 → 49748	[SYN, ACK]	Seq=0	Ack=1 Win=28960 Len=0 MSS=1460 SACK_PERM TSval=3456046055 TSecr=4294956540 WS=128
TCP	66	49748 → 6970	[ACK]	Seq=1	Ack=1 Win=14600 Len=0 TSval=4294956540 TSecr=3456046055
HTTP	149	GET /Desktops/800x480x24/WestRockv3-2.png.sgn	HTTP/1.1		

TCP. مزج ربع فلم لك ملتسيو TFTP نم تانيوكت الت فتاهل بلطي

HTTP	147	GET /English_United_States/sl-be-sip.jar.sgn	HTTP/1.1	
HTTP	739	HTTP/1.1	200	OK (*/*)
HTTP	138	GET /United_States/g3-tones.xml.sgn	HTTP/1.1	
HTTP	931	HTTP/1.1	200	OK (*/*)
HTTP	148	GET /Desktops/800x480x24/WestRockv3-2.png.sgn	HTTP/1.1	
HTTP	631	HTTP/1.1	200	OK (*/*)
HTTP	124	GET /AppDialRules.xml	HTTP/1.1	
HTTP	91	HTTP/1.1	200	OK (*/*)
HTTP	154	GET /SKb0ec918f-b9ee-994b-57ae-345883c1fde8.xml.sgn	HTTP/1.1	
HTTP	1291	HTTP/1.1	200	OK (*/*)
HTTP	130	GET /CTLSEP38ED18AF7658.tlv	HTTP/1.1	
HTTP	130	HTTP/1.1	404	Not Found
HTTP	130	GET /ITLSEP38ED18AF7658.tlv	HTTP/1.1	
HTTP	180	HTTP/1.1	200	OK (*/*)
HTTP	135	GET /SEP38ED18AF7658.cnf.xml.sgn	HTTP/1.1	
HTTP	708	HTTP/1.1	200	OK (*/*)
HTTP	148	GET /Desktops/800x480x24/WestRockv3-2.png.sgn	HTTP/1.1	
HTTP	124	GET /AppDialRules.xml	HTTP/1.1	
HTTP	91	HTTP/1.1	200	OK (*/*)
HTTP	154	GET /SKb0ec918f-b9ee-994b-57ae-345883c1fde8.xml.sgn	HTTP/1.1	
HTTP	1291	HTTP/1.1	200	OK (*/*)

CUCM. نم 200 OK و SIP لجس لئاسر

SIP	128	Request: REFER sip: [redacted]
SIP	449	Status: 202 Accepted
SIP	1140	Request: REGISTER sip: [redacted] (1 binding) (application/x-cisco-remotecr-request+xml) (application/x-cisco-remotecr-request+x...
SIP	383	Status: 100 Trying
SIP	1173	Status: 200 OK (REGISTER) (1 binding)

CUCM تاراسم

***** ةريخألا ليجستلا ةلاح نع CUCM مالعإ إلا عجرا *****

REFER sip:198.51.100.31 SIP/2.0
Via: SIP/2.0/TCP 198.51.100.109:50806;branch=z9hG4bK25771c8e
From: "2001" <sip:2001@198.51.100.109>;tag=d0ec35c1d98e00030abb40d-0dadaa5e
To: <sip:198.51.100.31>
Call-ID: d0ec35c1-d98e0003-657a07f3-6d626333@198.51.100.109
Session-ID: 92eb5cca00105000a000d0ec35c1d98e;remote=00000000000000000000000000000000
Date: Fri, 21 Jul 2023 18:05:31 GMT
CSeq: 1000 REFER
User-Agent: Cisco-CP8811/14.2.1
Expires: 10
Max-Forwards: 70
Contact: <sip:fa7155fd-ec0d-7b35-c49b-86e9f163bf11@198.51.100.109:50806;transport=tcp>;+u.sip!devicename
Require: norefersub
Referred-By: "2001" <sip:2001@198.51.100.109>
Refer-To: cid:28820b4e@198.51.100.109
Content-Id: <28820b4e@198.51.100.109>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE
Content-Length: 1693
Content-Type: application/x-cisco-alarm+xml
Content-Disposition: session;handling=required

```
<?xml version="1.0" encoding="UTF-8"?>
  <x-cisco-alarm>
    <Alarm Name="LastOutOfServiceInformation">
      <ParameterList>
        <String name="DeviceName">SEPD0EC35C1D98E</String>
        <String name="DeviceIPv4Address">198.51.100.109/24</String>
        <String name="IPv4DefaultGateway">198.51.100.1</String>
        <String name="DeviceIPv6Address"></String>
        <String name="IPv6DefaultGateway"></String>
        <String name="ModelNumber">CP-8811</String>
        <String name="NeighborIPv4Address">198.51.100.98</String>
        <String name="NeighborIPv6Address"></String>
        <String name="NeighborDeviceID">jpazjaim_SW</String>
        <String name="NeighborPortID">GigabitEthernet0/2</String>
        <Enum name="DHCPv4Status">1</Enum>
        <Enum name="DHCPv6Status">3</Enum>
        <Enum name="TFTPcfgStatus">1</Enum>
        <Enum name="DNSStatusUnifiedCM1">0</Enum>
        <Enum name="DNSStatusUnifiedCM2">0</Enum>
        <Enum name="DNSStatusUnifiedCM3">0</Enum>
        <Enum name="DNSv6StatusUnifiedCM1">0</Enum>
        <Enum name="DNSv6StatusUnifiedCM2">0</Enum>
        <Enum name="DNSv6StatusUnifiedCM3">0</Enum>
        <String name="VoiceVLAN">360</String>
        <String name="UnifiedCMIPAddress">198.51.100.31</String>
        <String name="LocalPort">50020</String>
        <String name="TimeStamp">1689962095016</String>
        <Enum name="ReasonForOutOfService">25</Enum>
        <String name="LastProtocolEventSent">Sent:REGISTER sip:198.51.100.31 SIP/2.0 Cseq:11810 REGISTER CallId
        <String name="LastProtocolEventReceived">Rcvd:SIP/2.0 202 Accepted Cseq:1000 REFER CallId:d0ec35c1-d98e
          <String name="ReasonForOutOfServiceText">LastTimeInitialized</String>
          <String name="ActiveInterface">Wired</String>
        </ParameterList>
      </Alarm>
    </x-cisco-alarm>
```

***** ةلاس رلا ىلإ ةراشإلل ةلوبقم ةلاس ر 202 *****

SIP/2.0 202 Accepted
Via: SIP/2.0/TCP 198.51.100.109:50806;branch=z9hG4bK25771c8e
From: "2001" <sip:2001@198.51.100.109>;tag=d0ec35c1d98e00030abbb40d-0dadaa5e
To: <sip:198.51.100.31>;tag=1984400291
Date: Fri, 21 Jul 2023 18:08:58 GMT
Call-ID: d0ec35c1-d98e0003-657a07f3-6d626333@198.51.100.109
CSeq: 1000 REFER
Contact: <sip:198.51.100.31:5060;transport=tcp>
Content-Length: 0

***** IP فتاه نم SIP لئاسر ليچست *****

REGISTER sip:198.51.100.31 SIP/2.0
Via: SIP/2.0/TCP 198.51.100.109:50806;branch=z9hG4bK0aeff5a4
From: <sip:2001@198.51.100.31>;tag=d0ec35c1d98e00044e764ab3-2227c9d6
To: <sip:2001@198.51.100.31>
Call-ID: d0ec35c1-d98e0002-71e1f429-052f5580@198.51.100.109
Max-Forwards: 70
Session-ID: 92eb5cca00105000a000d0ec35c1d98e;remote=00000000000000000000000000000000
Date: Fri, 21 Jul 2023 18:05:31 GMT
CSeq: 101 REGISTER
User-Agent: Cisco-CP8811/14.2.1
Contact: <sip:fa7155fd-ec0d-7b35-c49b-86e9f163bf11@198.51.100.109:50806;transport=tcp>;+sip.instance="<
Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-callinfo,X-cisco-
Reason: SIP;cause=200;text="cisco-alarm:25 Name=SEPD0EC35C1D98E ActiveLoad=sip88xx.14-2-1-0001-14.loads
Expires: 3600
Content-Type: multipart/mixed; boundary=uniqueBoundary
Mime-Version: 1.0
Content-Length: 1313

***** ةلاس ر لئاسر ليچست ىلإ 200 OK ل CUCM ل سري *****

SIP/2.0 200 OK
Via: SIP/2.0/TCP 198.51.100.109:50806;branch=z9hG4bK0aeff5a4
From: <sip:2001@198.51.100.31>;tag=d0ec35c1d98e00044e764ab3-2227c9d6
To: <sip:2001@198.51.100.31>;tag=757446526
Date: Fri, 21 Jul 2023 18:08:58 GMT

Call-ID: d0ec35c1-d98e0002-71e1f429-052f5580@198.51.100.109
Server: Cisco-CUCM14.0
CSeq: 101 REGISTER
Expires: 120
Contact: <sip:fa7155fd-ec0d-7b35-c49b-86e9f163bf11@198.51.100.109:50806;transport=tcp>;+sip.instance="<Supported: X-cisco-srtp-fallback,X-cisco-sis-10.0.0
Content-Type: application/x-cisco-remotecc-response+xml
Content-Length: 381

ةي اهنلا طاقن نم ديدعلا ليجست ءاغلإ ءاطخأ فاشكتسأ اهحالصإو

ةرثأتملا فتاوهلا ضعبل MAC ل ناناونع مزلي، ةلكشملا هذهل ةبسنبلا

تاهج يأ وأ Visual Studio وأ Notepad++ لثم صوصن ررحم دوجو يوررضلا نم، ةيلمعلا ليهستلو
يرخأ.

تالجس يف. ثادحأل ضراع تالجس نم ققحتلا نكمي، اھحالصإو ةلكشملا هذه فاشكتسال
، ةلجسمل ريغو ةلجسمل ةياهنلا ةطقن لثم ثادحأ يلعل انه روثعل نكمي، ثادحأل ضراع
، فتاهلا لوكوتوربو، ةطشنلا ةتباثلا جماربلاو، ةياهنلا ةطقن عونو، CTL و ITL تامولعمو
ريثكل كلذ ريغو ليجستلا مدع ببسو

ةلاسمل ليلقتل تاوطخ:

1. صوصنلا ررحم يف تالجسلا دلجم حتف

2. تادلجملا ةفاك يف ثحبلا

3. EndPointTunregistered نع ثحبلا

ةمكللا هذه يلعل يوتحي نأ تافللم SDL و دلجم syslog نم جئاتنلا لك انل ضرعي اذه

5440:

Jul 17 21:45:17

cucmsub local6 6 ccm: 19: xxxxxxxx.xxxxxx.xx Jul 18 2023 02:45:17 UTC : %UC_CALLMANAGER-6-EndPointUnreg

DeviceName=SEPXXXXXXXXXXXX

[IPAddress=198.51.100.117][Protocol=SIP][DeviceType=622][Description=SEPXXXXXXXXXXXX_CP_7841][

Reason=28

[IPAddrAttributes=0][AppID=Cisco CallManager][ClusterID=SSPSTSite]][NodeID=cucmsub]: An endpoint has un

EndPoint ل لجسم الريغ ماطنن أطخ ةلاسر حرش

ةرثأتم ال ةياهنن ةطقنل IP Address:

ةرثأتم ال ةياهنن ةطقنل MAC ناونع :زاهج المسا

هب ةياهنن ةطقنل لجسست مت يذل لوكوتورب ال :لوكوتورب ال
DeviceType: ةطقنل جذومن عون

sql select ليغشتب مق :رموالا رطس ةهجاو ليغشتب مق ،همساو زاهج ال عون زارط مقرة فرعمل
enum، نم مسالا typemodel
فتاهل لجسست دنع "تاملكم ال ةرادا" ي ف فصولا نييعت مت :فصولا

ماطنن أطخ ةلاسر ببس :ببس ال

[إنه](#) ماطنن أطخ لئاسر بابسا عي مج يلع روثع ال كنكمي
IPAddrAttributes: فصولا
دحومل مداخل عون :قيبطت ال فرعم
ةدق ال مسا :ةدق ال فرعم

هيبنت ال ةقباطم لينمزل متخلالو MAC ناونعو أطخل ال ةلاسرل ببس ال مقريل ع زكرت نا بجي
بابسا ال يلع اهيف روثع ال متي ي الت [قحفصل](#) ال ل لقتنا م ث كب صاخ ال راركت ال عم



RTMT، يلع ةرفوتم ال تاراذن ال ةفاك يلع ماطنن أطخ ةلاسر ةحفص يوتحت :ةظحال م

هېېننل لېغشت بابسأ فصوو حرش وهو.

ةحفصل حتف درج مېب

1. CTRL + F (لېع Windows) و Command + F (لېع MacOS)

2. EndPointUnregistered نغ ثحب لال

Error Message

%UC_CALLMANAGER-3-EndPointUnregistered: %[DeviceName=String][MACAddress=String][IPAddress=String][Protocol=String][DeviceType=Enum][Description=String][Reason=Enum][IPv6Address=String][IPAddrAttributes=Enum][IPv6AddrAttributes=Enum][LastSignalReceived=String][CallState=String][AppID=String][ClusterID=String][NodeID=String]: An endpoint has unregistered.

Explanation An endpoint that has previously registered with Cisco Unified Communications Manager has unregistered. In cases of normal unregistration with reason code 'CallManagerReset', 'CallManagerRestart', 'DeviceInitiatedReset', 'EMLoginLogout', or 'EMCCLoginLogout', the severity of this alarm is lowered to INFORMATIONAL. An endpoint can unregister for many reasons, both intentional such as manually resetting the device after a configuration change, or unintentional such as loss of network connectivity. Other causes for this alarm could include a phone being registered to a secondary node and then the primary node coming online, causing the phone to rehome to the primary Unified CM node. Or, lack of a KeepAlive message being returned from the Unified CM node to which this endpoint was registered. Unregistration also occurs if Unified CM receives a duplicate registration request for this same device.

Recommended Action Actions to take vary depending on the reason specified for the endpoint unregistration. If the reason is ConfigurationMismatch, go to the Device Configuration page in Cisco Unified CM Administration, make a change to the Description field for this device, click Save, then reset the device. In the case of a network connectivity problem or loss of KeepAlives, use network diagnostic tools and the Cisco Unified CM Reporting tool to fix any reported network or Unified CM system errors. In the case of an endpoint rehome to the primary Unified CM node, watch for a successful registration of the device on the primary node. In the case of a duplicate registration request, it may be a non-malicious occurrence due to timing of an endpoint registering and unregistering; if duplicate registration requests continue or if the same endpoint has different IP addresses, confirm the IP address on the physical device itself by checking the settings on the device (settings button). If unregistration of this device was expected, no action is required. Also, refer to the reason code descriptions in this alarm for additional recommended actions.

Reason Code - Enum Definitions

Enum Definitions - DeviceType

Value	Definition
1	CISCO_30SP+
2	CISCO_12SP+
3	CISCO_12SP

بېس لال - دادعت لال تافيرعت دجت یتح لفسأل ريرمت لالاب مق 3.

ماظن لال أطخ ةلاس رر ي ف بابسأل (ماقرأ) ددع ي ف ثحب لال 4.

28	FallbackInitiated - The device has initiated a fallback and will automatically re-register to a higher-priority Unified CM. No action is necessary.
----	---

لضف ألأ رايل الو فتاهل ال ع دوجوم ال PCAP نوكي ،تامولعمل نم ديزم ال ةجالح ال ةلاح ي ف ةوطخ ةوطخ فتاهل ال ليجست ةيلمع ضرعل

زاهال عون جذامن ةمئاق

كنكمي ،هينننل ي ف رهظت ي ال DeviceType لقح ب ةطبترم ال ةزهأل عاونأ ةفرعمل فتاهل ال ليجست متي ثيح CUCM ب صاخ ال CLI ي فالعتسا ليغشت

TypeModel نم مسالال SQL، ديدحت دادعت ليغشت :مالعتسالال

```

enum name
=====
1 Cisco 30 SP+
2 Cisco 12 SP+
3 Cisco 12 SP
4 Cisco 12 S
5 Cisco 30 VIP
6 Cisco 7910
7 Cisco 7960
8 Cisco 7940
9 Cisco 7935
10 Cisco VGC Phone
11 Cisco VGC Virtual Phone
12 Cisco ATA 186
15 EMCC Base Phone
20 SCCP Phone
30 Analog Access
40 Digital Access
42 Digital Access+
43 Digital Access WS-X6608
47 Analog Access WS-X6624
48 VGC Gateway
50 Conference Bridge
51 Conference Bridge WS-X6608
52 Cisco IOS Conference Bridge (HDV2)
53 Cisco Conference Bridge (WS-SVC-CMM)
61 H.323 Phone
62 H.323 Gateway
70 Music On Hold
71 Device Pilot
72 CTI Port
73 CTI Route Point
80 Voice Mail Port
83 Cisco IOS Software Media Termination Point (HDV2)
84 Cisco Media Server (WS-SVC-CMM-MS)

```

- 85 Cisco Video Conference Bridge (IPVC-35xx)
- 86 Cisco IOS Heterogeneous Video Conference Bridge
- 87 Cisco IOS Guaranteed Audio Video Conference Bridge
- 88 Cisco IOS Homogeneous Video Conference Bridge
- 90 Route List
- 100 Load Simulator
- 110 Media Termination Point
- 111 Media Termination Point Hardware
- 112 Cisco IOS Media Termination Point (HDV2)
- 113 Cisco Media Termination Point (WS-SVC-CMM)
- 115 Cisco 7941
- 119 Cisco 7971
- 120 MGCP Station
- 121 MGCP Trunk
- 122 GateKeeper
- 124 7914 14-Button Line Expansion Module
- 125 Trunk
- 126 Tone Announcement Player
- 131 SIP Trunk
- 132 SIP Gateway
- 133 WSM Trunk
- 134 Remote Destination Profile
- 227 7915 12-Button Line Expansion Module
- 228 7915 24-Button Line Expansion Module
- 229 7916 12-Button Line Expansion Module
- 230 7916 24-Button Line Expansion Module
- 232 CKEM 36-Button Line Expansion Module
- 253 SPA8800
- 254 Unknown MGCP Gateway
- 255 Unknown
- 302 Cisco 7985
- 307 Cisco 7911
- 308 Cisco 7961G-GE
- 309 Cisco 7941G-GE
- 335 Motorola CN622
- 336 Third-party SIP Device (Basic)
- 348 Cisco 7931
- 358 Cisco Unified Personal Communicator
- 365 Cisco 7921
- 369 Cisco 7906
- 374 Third-party SIP Device (Advanced)
- 375 Cisco TelePresence
- 376 Nokia S60
- 404 Cisco 7962
- 412 Cisco 3951
- 431 Cisco 7937
- 434 Cisco 7942
- 435 Cisco 7945
- 436 Cisco 7965
- 437 Cisco 7975
- 446 Cisco 3911
- 468 Cisco Unified Mobile Communicator
- 478 Cisco TelePresence 1000
- 479 Cisco TelePresence 3000
- 480 Cisco TelePresence 3200
- 481 Cisco TelePresence 500-37
- 484 Cisco 7925
- 493 Cisco 9971
- 495 Cisco 6921
- 496 Cisco 6941
- 497 Cisco 6961
- 503 Cisco Unified Client Services Framework

- 505 Cisco TelePresence 1300-65
 - 520 Cisco TelePresence 1100
 - 521 Transnova S3
 - 522 BlackBerry MVS VoWifi
 - 537 Cisco 9951
 - 540 Cisco 8961
 - 547 Cisco 6901
 - 548 Cisco 6911
 - 550 Cisco ATA 187
 - 557 Cisco TelePresence 200
 - 558 Cisco TelePresence 400
 - 562 Cisco Dual Mode for iPhone
 - 564 Cisco 6945
 - 575 Cisco Dual Mode for Android
 - 577 Cisco 7926
 - 580 Cisco E20
 - 582 Generic Single Screen Room System
 - 583 Generic Multiple Screen Room System
 - 584 Cisco TelePresence EX90
 - 585 Cisco 8945
 - 586 Cisco 8941
 - 588 Generic Desktop Video Endpoint
 - 590 Cisco TelePresence 500-32
 - 591 Cisco TelePresence 1300-47
 - 592 Cisco 3905
 - 593 Cisco Cius
 - 594 VKEM 36-Button Line Expansion Module
 - 596 Cisco TelePresence TX1310-65
 - 597 Cisco TelePresence MCU
 - 598 Ascom IP-DECT Device
 - 599 Cisco TelePresence Exchange System
 - 604 Cisco TelePresence EX60
 - 606 Cisco TelePresence Codec C90
 - 607 Cisco TelePresence Codec C60
 - 608 Cisco TelePresence Codec C40
 - 609 Cisco TelePresence Quick Set C20
 - 610 Cisco TelePresence Profile 42 (C20)
 - 611 Cisco TelePresence Profile 42 (C60)
 - 612 Cisco TelePresence Profile 52 (C40)
 - 613 Cisco TelePresence Profile 52 (C60)
 - 614 Cisco TelePresence Profile 52 Dual (C60)
 - 615 Cisco TelePresence Profile 65 (C60)
 - 616 Cisco TelePresence Profile 65 Dual (C90)
 - 617 Cisco TelePresence MX200
 - 619 Cisco TelePresence TX9000
 - 620 Cisco TelePresence TX9200
 - 621 Cisco 7821
 - 622 Cisco 7841
 - 623 Cisco 7861
 - 626 Cisco TelePresence SX20
 - 627 Cisco TelePresence MX300
 - 628 IMS-integrated Mobile (Basic)
 - 631 Third-party AS-SIP Endpoint
 - 632 Cisco Cius SP
 - 633 Cisco TelePresence Profile 42 (C40)
 - 634 Cisco VXC 6215
 - 635 CTI Remote Device
 - 640 Usage Profile
 - 642 Carrier-integrated Mobile
 - 645 Universal Device Template
 - 647 Cisco DX650
 - 648 Cisco Unified Communications for RTX

652 Cisco Jabber for Tablet
659 Cisco 8831
681 Cisco ATA 190
682 Cisco TelePresence SX10
683 Cisco 8841
684 Cisco 8851
685 Cisco 8861
688 Cisco TelePresence SX80
689 Cisco TelePresence MX200 G2
690 Cisco TelePresence MX300 G2
20000 Cisco 7905
30002 Cisco 7920
30006 Cisco 7970
30007 Cisco 7912
30008 Cisco 7902
30016 Cisco IP Communicator
30018 Cisco 7961
30019 Cisco 7936
30027 Analog Phone
30028 ISDN BRI Phone
30032 SCCP gateway virtual phone
30035 IP-STE
36041 Cisco TelePresence Conductor
36042 Cisco DX80
36043 Cisco DX70
36049 BEKEM 36-Button Line Expansion Module
36207 Cisco TelePresence MX700
36208 Cisco TelePresence MX800
36210 Cisco TelePresence IX5000
36213 Cisco 7811
36216 Cisco 8821
36217 Cisco 8811
36219 Interactive Voice Response
36224 Cisco 8845
36225 Cisco 8865
36227 Cisco TelePresence MX800 Dual
36232 Cisco 8851NR
36235 Cisco Spark Remote Device
36239 Cisco Webex DX80
36241 Cisco TelePresence DX70
36247 Cisco 7832
36248 Cisco 8865NR
36250 Cisco Meeting Server
36251 Cisco Webex Room Kit
36254 Cisco Webex Room 55
36255 Cisco Webex Room Kit Plus
36256 CP-8800-Video 28-Button Key Expansion Module
36257 CP-8800-Audio 28-Button Key Expansion Module
36258 Cisco 8832
36259 Cisco Webex Room 70 Single
36260 Cisco 8832NR
36262 Cisco ATA 191
36265 Cisco Webex Room 70 Dual
36292 Cisco Webex Room Kit Pro
36295 Cisco Webex Room 55 Dual
36296 Cisco Webex Room 70 Single G2
36297 Cisco Webex Room 70 Dual G2
36299 Cisco Webex Room Kit Mini
36304 Cisco Webex Board 55
36305 Cisco Webex Board 70
36306 Cisco Webex Board 85
36307 Cisco Webex Desk Pro

CUCM. رادصإى إىإ ادانتسا مالعئسالا ةجئتن رئئغت نكمئ: ةطءالم 

ةلص تاذ تامولعم

• [Cisco نم تالئزن تلالوئنفلا معدلا](#)

ةمچرتل هذه ل و ح

ةيلآل ا تاي ن ق ت ل ا ن م ة و م ج م ا د خ ت س ا ب د ن ت س م ل ا ا ذ ه Cisco ت م چ ر ت م ل ا ع ل ا ا ح ن ا ع م ج ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل ا و ا م ك ة ق ي ق د ن و ك ت ن ل ة ي ل آ ة م چ ر ت ل ض ف ا ن ا ة ط ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب Cisco ي ل خ ت . ف ر ت ح م م چ ر ت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة م چ ر ت ل ا ع م ل ا ح ل ا و ه ي ل ا ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا م چ ر ت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا د ن ت س م ل ا