Comment obtenir la capture de paquets à partir de la passerelle VXML pour l'analyse de signaux et de voix

Contenu

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Introduction

Ce document décrit comment obtenir une capture de paquets (pcap) à partir d'une passerelle VXML pour l'analyse du signal et de la voix.

Conditions préalables

Conditions requises

Cisco vous recommande de prendre connaissance des rubriques suivantes :

- Unified Customer Voice Portal (CVP)
- Passerelle VXML GW (Voice Extensible Markup Language Gateway)
- Outil Whireshark

Components Used

Ce document n'est pas limité à des versions de matériel et de logiciel spécifiques.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. Si votre réseau est en ligne, assurez-vous de bien comprendre l'incidence possible des commandes.

Capture de paquets sur la passerelle VXML

Vous pouvez obtenir un pcap pour vérifier la signalisation et le support à partir de Cisco VXML GW avec cette procédure pour l'interface **g0/0**. Vous devez remplacer le nom de l'interface dans la commande par le nom approprié.

conf t
ip traffic profile test mode capture
bidirectional
exit

int g0/0
ip traffic apply test size 20000000
end

traffic int g0/0 clear traffic int g0/0 start La passerelle VXML capture le trafic. Effectuez donc un appel de test et arrêtez rapidement la capture de paquets.

fin de copier le pcap sur un serveur TFTP, tapez cette commande.

traffic int g0/0 copy tftp://x.x.x.x/g00.pcap Afin de copier pcap sur un serveur FTP, tapez cette commande.

traffic int g0/0copy ftp://username:password@x.x.x.x/g00.pcap La capture d'écran montre le fichier pcap **port1.pcap** ouvert avec l'outil Wireshark.

| 📕 p | ort1.pcap | Wiresh | ark 1.10.3 (SVN Rev 53 | 022 from /trunk-1.10)] | | | 23 |
|--------|-----------|----------|------------------------|-------------------------------|-------------------|---|----|
| File | Edit V | iew Go | Capture Analyze | Statistics Telephony Tools | Internals Help | | |
| 0 | • 🖌 | . | | 0. + + 4 7 2 | | Q. Q. 🗹 🖉 🗏 🎭 🧝 | |
| Filter | : | | | | Expression | Clear Apply Save | |
| No. | Tim | e | Source | Destination | Protocol L | ength Info | |
| | 1 0. | 000000 | 10.251.93.10 | 10.251.62.208 | SSH | 92 Encrypted response packet len=52 | - |
| | 2 0. | 000183 | 10.251.93.10 | 10.251.100.50 | TACACS+ | 217 Q: Accounting | |
| | 3 0. | 003746 | 10.251.100.50 | 10.251.93.10 | TACACS+ | 57 R: Accounting | |
| | 4 0.1 | 107792 | 10.251.93.10 | 10.251.100.50 | TCP | 40 35576 > tacacs [ACK] seq=1 Ack=1 win=3984 Len=0 | |
| | 5 0. | 203785 | 10.251.93.10 | 10.251.100.50 | TCP | 40 63840 > tacacs [ACK] Seq=178 Ack=18 win=3785 Len=0 | |
| | 6 0. | 251243 | 10.251.62.208 | 10.251.93.10 | TCP | 40 58357 > ssh [ACK] seq=1 Ack=53 win=65288 Len=0 | |
| | 7 1. | 000105 | 10.251.93.10 | 10.251.100.21 | Syslog | 143 LOCAL7.NOTICE: 48: 058316: Apr 6 20:58:28.410: %RITE-5-CAPTURE_START: Started IP traffic capture for inte | rf |
| | 8 1. | 000125 | 10.251.93.10 | 10.251.132.13 | Syslog | 143 LOCAL7.NOTICE: 48: 058316: Apr 6 20:58:28.410: %RITE-5-CAPTURE_START: Started IP traffic capture for inte | rf |
| | 9 5. | 037823 | 10.251.93.33 | 10.251.93.10 | SIP | 508 Request: OPTIONS sip:10.251.93.10 | |
| | 10 5. | 038359 | 10.251.93.10 | 10.251.93.33 | SIP/SDF | 1007 Status: 200 OK | |
| | 11 5. | 703503 | 10.251.93.56 | 10.251.93.255 | BROWSEF | 229 Host Announcement USQLCAWS1, Workstation, Server, SQL Server, NT Workstation, NT Server | |
| | 12 7. | 201722 | 10.250.93.57 | 10.251.93.10 | SIP | 1358 Request: INVITE sip:55555222222221362@VXMLGw1A.omnicare.com;transport=udp | |
| | 13 7. | 203454 | 10.251.93.10 | 10.250.93.57 | SIP | 493 Status: 100 Trying | |
| | 14 7. | 203494 | 10.251.93.10 | 10.250.93.57 | SIP/SDF | 1100 Status: 200 OK | |
| | 15 7. | 236543 | 10.250.93.57 | 10.251.93.10 | SIP/SDF | 804 Request: ACK sip:555552222222221362@10.251.93.10:5060 | |
| | 16 7. | 264140 | 10.251.93.10 | 10.250.93.57 | TCP | 44 63536 > irdmi [SYN] Seq=0 win=4128 Len=0 MSS=536 | |
| | 17 7. | 265260 | 10.250.93.57 | 10.251.93.10 | TCP | 44 irdmi > 63536 [SYN, ACK] Seq=0 Ack=1 win=8192 Len=0 MSS=1460 | |
| | 18 7. | 265297 | 10.251.93.10 | 10.250.93.57 | TCP | 40 63536 > irdmi [ACK] Seq=1 ACk=1 win=4128 Len=0 | |
| | 19 7. | 265345 | 10.251.93.10 | 10.250.93.57 | TCP | 576 [TCP segment of a reassembled PDU] | - |
| 4 | ~~ ~ | | 10 300 03 03 | 10 361 03 10 | 775 | | |
| | | . 03 hu | tos on wine (73 | (hits) 02 hits can | tuned (776 k | ier) | |
| E FI | ame 1 | : 92 Dy | ces on wire (/s | o bits), 92 bytes cap | icured (750 c | 15) | |
| E Ke | w paci | Droto | a vorcion 4 | sec: 10 351 03 10 (10 | 251 02 10) | Det. 10 351 63 308 (10 351 63 308) | |
| C II | anemi | c Froco | control Protocol | Src Port: sch (22) | Det Port: 5 | DSC7 (SSC7) Cort 1 Arbt 1 Long 53 | |
| E 55 | H Prot | tocol | | , 510 Porter 5511 (22), | Dat Fort. | (Jossi), Sed. 1, Ack. 1, Len. 32 | |
| 0.00 | II FIO | LOCOT | | | | | |
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| - | | | | | | | |
| 0000 | 45 0 | 0 00 5 | c 39 58 00 00 | ff 06 cf b3 0a fb 5d | 0a E\9X. |]. | |
| 0010 | 0a 1 | b 3e d | 0 00 16 e3 f5 | a5 d1 b6 82 9T 4b be | dc> | · · · · · · · · · · · · · · · · · · · | |
| 0020 | 87 6 | 51 14 3 | f 83 53 05 66 | Pa 27 3c 64 5e 99 84 | 92 | | |
| 0040 | d0 8 | Se 26 7 | 5 a3 f0 e1 5e | 74 b9 9d 77 55 a8 cd | 91&u | ^ twu | |
| 0050 | 55 4 | 1b 36 7 | 1 3e Oc 6b 16 | 9c c6 40 0c | UK6q>.k | @. | |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| 0 🔰 | File: "C | :\custom | er\brad\port1.pcap" 39 | 0 kB Packets: 1727 · Displaye | ed: 1727 (100.0%) | Load time: Profile: Default | |
| - | | | | | | | |

Vérification

Afin de vérifier que la capture de paquets est valide, utilisez cette procédure.

Entrez le mot clé sip dans la zone de texte Filter.

| 🚄 port1.pcap [Wireshark 1.10.3 (SVN Rev 5302 | 22 from /trunk-1.10)] | | |
|--|---|--|---|
| <u>Eile Edit View Go Capture Analyze St</u> | tatistics Telephony <u>T</u> ools Internal | Help | |
| • • # # # 6 6 x 2 | °, * * * 7 2 EE |] 0, 0, 0, 17 ₩ 12 18, % 12 | |
| Filter: sip | 💌 Exp | ssion Clear Apply Save | |
| No. Time Source | Destination Pro | ocol Length Info | * |
| 9 5.037823 10.251.93.33 | 10.251.93.10 5 | 508 Request: OPTIONS sip:10.251.93.10 | |
| 10 5.038359 10.251.93.10 | 10.251.93.33 53 | /SDF 1007 Status: 200 OK | |
| 12 7.201722 10.250.93.57 | 10.251.93.10 5 | 1358 Request: INVITE sip:55555222222221362@VXMLGW1A.omnicare.com;transport=udp | |
| 13 7.203454 10.251.93.10 | 10.250.93.57 51 | 493 Status: 100 Trying | |
| 14 7.203494 10.251.93.10 | 10.250.93.57 5 | /SDF 1100 Status: 200 OK | |
| 15 7.236543 10.250.93.57 | 10.251.93.10 5 | /SDF 804 Request: ACK 51p:555522222221362@10.251.93.10:5060 | |
| 436 10.045310 10.251.93.33 | 10.251.93.10 5. | 508 Request: OPTIONS STD:10.251.93.10 | |
| 437 10.045830 10.251.93.10 | 10.251.93.33 5. | /50/ 100/ Status: 200 0K | |
| 711 11.8/0905 10.250.95.5/ | 10.251.93.10 5. | 498 Request: BYE 510:5555222222223562@10.251.95.10:5000 | |
| 714 11.8/20/8 10.251.95.10 | 10.250.93.37 5. | 501 Status: 200 UK 1 Status: 2 | |
| 732 15.053500 10.251.95.55 | 10 251 02 22 | Soo Request. OPTIONS STD.10.231.95.10 | |
| 734 20 122007 10 251 02 22 | 10 251 02 10 | So So Powert OFTANS cinto 251 02 10 1 | |
| 734 20.12309/ 10.231.93.33 | 10 251 02 22 | 2008 Cost 100 Cost 10 | |
| 735 20.123434 10.251.95.10 | 10 251 02 10 | 505 1000 Status, 200 00 1 0 1 0 251 02 10 1 | |
| 737 25 131482 10 251 93 10 | 10 251 03 23 | Son Equest. or Lons Sip. 10.231.33.10 | |
| 738 27 719707 10 251 93 57 | 10 251 93 10 51 | /SDE 100/ Deguest: NNVTE sin:555552222222222222222222222222222 | |
| 739 27 721307 10 251 93 10 | 10 251 93 57 51 | Al Status: 100 Trving | |
| 740 27, 721345 10, 251, 93, 10 | 10.251.93.57 51 | SDE 1022 Status: 200 OK | |
| 775 27.874125 10.251.93.57 | 10,251,93,10 51 | 488 Request: ACK sin:55555222222221363010.251.93.10:5060 | |
| 1010 30,200873 10,251,93,33 | 10,251,93,10 51 | 508 Request: OPTIONS sip:10.251.93.10 | |
| 1011 30,201266 10,251,93,10 | 10,251,93,33 51 | /SDF 1006 Status: 200 0K | |
| 1513 35.208687 10.251.93.33 | 10.251.93.10 53 | 508 Request: OPTIONS sip:10.251.93.10 | |
| 1514 35.209051 10.251.93.10 | 10.251.93.33 53 | /SDF 1008 Status: 200 OK | |
| 1690 26 079672 10 251 02 57 | 10 251 02 10 51 | 400 BOQUOCT: EVE CID: 5555522222222222222222222222222222222 | |
| 4 | | 11 | + |
| Frame 9: 508 bytes on wire (40 Raw packet data Internet Protocol Version 4, S User Datagram Protocol, Src Po Session Initiation Protocol (0) | 064 bits), 508 bytes captur src: 10.251.93.33 (10.251.9 nrt: 58800 (58800), Dst Por oPTIONS) | d (4064 bits) .33), Dst: 10.251.93.10 (10.251.93.10) : sip (5060) | |

| 000 001 002 003 | 0 45 00 01 fc 77 29 00 00 0 0a fb 5d 0a e5 b0 13 c4 0 4f 4e 53 20 73 69 70 3a 0 33 2e 31 30 20 53 49 50 | 7f 11 f2 a6 0a fb 5d 21 01 e8 d5 49 4f 50 54 49 31 30 2e 32 35 31 2e 39 2f 32 2e 30 0d 0a 56 69 | Ew)]!] IOPTI ONS sip: 10.251.9 3.10 SIP /2.0vi | | A THINK |
|--------------------------|--|--|--|------------------|---------|
| 004 | 0 61 3a 20 53 49 50 2f 32 | 2e 30 2f 55 44 50 20 31 | a: SIP/2 .0/UDP 1 | | |
| 005 |) 30 Ze 32 35 31 Ze 39 33 | 2e 33 33 3a 35 38 38 30 | 0.251.93 .33:5880 | | |
| 006 | 0 30 3b 62 72 61 6e 63 68 | 3d 7a 39 68 47 34 62 4b | 0; branch =z9hG4bK | | |
| 007 | 0 2d 64 38 37 35 34 7a 2d | 63 62 37 38 64 61 31 39 | -d8754z- cb78da19 | | |
| 008 | 35 63 36 31 62 39 30 66 | 2d 31 2d 2d 2d 64 38 37 | 5c61b90f -1d87 | | |
| 009 | 0 35 34 7a 2d 3b 72 70 6f | 72 74 0d 0a 4d 61 78 2d | 54z-:rpo rtMax- | | |
| 00a | 46 6f 72 77 61 72 64 73 | 3a 20 37 30 0d 0a 43 6f | Forwards : 70Co | | - |
| | File: "C:\customer\brad\port1.pcap" 3 | 90 kB Packets: 1727 · Displayed: 28 | (1.6%) · Load time: 0:00 | Profile: Default | |

Étape 2. Ouvrez les flux RTP avec Wireshark Player.

- Accédez à Téléphonie Appels IP
- Choisir l'appel en question
- Sélectionner un lecteur

| Édit Yiew Go Capture Analyze Statistics Telephony Iools Internals Help Image: Source Control Contrecto Contrelation Control Control Control C | port1.pcap [Wireshar | k 1.10.3 (SVN Re | v 53022 from /1 | trunk-1.10)] | | | | | | | |
|---|---|------------------|-----------------------|-------------------------------|------------------------------------|-----------------|--|---------------------------|------------|----------------------|---------|
| Image: Source of the source | le <u>E</u> dit <u>V</u> iew <u>G</u> o | Capture Analyz | ze <u>S</u> tatistics | Telephony Too | ols <u>I</u> nternals <u>H</u> elp | | | | | | |
| sip Expression Clear Apply/Save Time Source Destination Protocol Length. Info 9 5. 037823 10. 251. 93. 33 10. 251. 93. 33 10. 251. 93. 33 10. 251. 93. 33 10 5. 038359 10. 251. 93. 30 10. 251. 93. 33 51P/SDF 1007 Status: 200 0K 12 7. 201722 10. 250. 93. 57 10. 251. 93. 10 10. 250. 93. 57 SIP 493 Status: 100 Trying 14 7. 203444 10. 251. 93. 10 10. 250. 93. 57 SIP 493 Status: 100 Trying Into 10. 250. 93. 57 SIP 493 Status: 200 0K 15 7. 236543 10. 251. 93. 10 10. 250. 93. 57 SIP /SDF 1100 Status: 200 0K Into 10. 250. 93. 57 SIP 493 Status: 100 Trying 14 7. 203444 10. 621. 621. Into 10. 250. 93. 57 SIP /SDF 1100 Status: 200 0K Into 10. 250. 93. 57 SIP 493 Status: 100 Trying 14 7. 203444 10. 621. 621. Detected 2 VoIP Calls. Selected 1 Call. Into 11. 11. 11. 87096 Into 251. 93. 10 SIE 400. 251. 737. 737. 737. 737. 737. 737. 737. 73 | • • 🖌 🔳 🦽 | 🖻 🖥 🗶 (| ଅ । ବ୍ | ې 🖏 😂 🛸 | | ର୍ ପ୍ 🖭 | 🏽 🗹 🥵 % 😫 | | | | |
| Time Source Destination Protocol Length Info 9 5. 037823 10.251. 93.10 10.251. 93.10 10.251. 93.33 SIP/SDF 1007 Status: 200 0K 12 7. 201722 10.250. 93.57 10.251. 93.10 SIP 1358 Request: INVITE sip:5555222222221362@vxMLGwLA.omnicare.com; transport=udp 13 7. 203454 10.251. 93.10 SIP 105 status: 100 Trying 14 7. 203494 10.251. 93.10 10.250. 93.57 SIP/SDF 1100 status: 200 0K 14 7. 203494 10.251. 93.10 10.250. 93.57 SIP/SDF 1100 status: 200 0K 711 11.870965 10.251. 91.10 10.250. 93.57 SIP/SDF 1100 status: 200 0K 721 10.47086 10.251. 91.57 10.251.93.10 10.250.93.57 SIP/SDF 721 11.870978 10.251. 92.57 VISRU Main AA - Vande <ip:555552222222222136; sip<="" td=""> 6 COMPLETED 731 15.053737 10.251. 93.57 'USRU Main AA - Vande <ip:555552222222222136; sip<="" td=""> 6 COMPLETED 732 15.2138 10.251.93.1482 10.251.93.1482 10.251.93.57<td>lter: sip</td><td></td><td></td><td></td><td>Expression</td><td>Clear Apply</td><td>Save</td><td></td><td></td><td></td><td></td></ip:555552222222222136;></ip:555552222222222136;> | lter: sip | | | | Expression | Clear Apply | Save | | | | |
| 9 5.037823 10.251.93.13 10.251.93.10 SIP 505 1007 Status: 200 0K 12 7.201722 10.250.93.57 10.251.93.10 SIP 493 Status: 100 Trying 13 7.203454 10.251.93.10 10.250.93.57 SIP 493 Status: 200 0K 14 7.203454 10.251.93.10 10.250.93.57 SIP 493 Status: 200 OK 15 7.236543 10.250. 16 0.251.93.10 10.250.93.57 SIP 493 Status: 200 0K 17 7.236543 10.250. 17 porti.pcap-VoIP Calls | . Time | Source | D | estination | Protocol L | ength Info | | | | | |
| 10 5.038359 10.251.93.10 10.251.93.33 51P / 50P 1007 Status: 200 ok 13 7.20172 10.250.93.57 10.251.93.10 10.250.93.57 51P 493 Status: 100 Trying 14 7.203454 10.251.93.10 10.250.93.57 51P 493 Status: 100 Trying 15 7.236543 10.251. 15 7.236543 10.251. 16 7.236543 10.251. 17 71 11.870965 10.251. 17 71 11.870965 10.251. 17 72 15.053366 10.251. 18 54T Time $	above 1 mile 4 lnitial Speaker 	above 1 mole 4 row 1 row 4 row $ | 9 5.037823 | 10.251.93.3 | 33 1 | .0.251.93.10 | SIP | 508 Reques | t: OPTIONS sip:10 | .251.93.10 | | | |
| 12 7.201722 10.250.93.57 10.251.93.10 5TP 1358 Request: INVITE sip:5555522222222222222222222222222222222 | 10 5.038359 | 10.251.93.1 | LO 1 | .0.251.93.33 | SIP/SDF | 1007 Status | : 200 OK | | | | |
| 13 7.203454 10.251.93.10 10.250.93.57 SIP 493 Status: 100 Trying 14 7.203454 10.251.93.10 10.250.93.57 SIP 493 Status: 200 0K 15 7.236543 10.250. 15 7.236543 10.251. 71 11.870955 10.251. 71 11.870955 10.251. 73 20.53366 10.251. 73 20.513092 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 73 20.123454 10.251. 74 20.251.701 20.251. 75 27.874125 10.251. 76 27.721345 10.251. 77 20 7.0 251. 77 20 7.0 251. 77 20 7.0 251. 78 27.719707 10.251. 79 27.721345 10.251. 77 20 7.0 251. 77 20 7.0 251. 77 20 7.0 251. 75 20.123454 10.251. 75 20.123454 10.251. 75 27.874125 10.251. 76 20.721 40 201 75 27.874125 10.251. 76 20.721 40 201 75 27.874125 10.251. 76 20.721 40 201 75 27.874125 10.251. 77 27.874125 | 12 7.201722 | 10.250.93.5 | 57 1 | .0.251.93.10 | SIP | 1358 Reques | t: INVITE sip:555 | 5522222222221362 | @VXMLGW1A. | omnicare.com;transpo | ort=udp |
| 14 7.203494 10.251.93.10 10.250.93.57 SIP/SDF 1100 Status: 200 0K 15 7.23654 10.251. 17 7.20157 10.251. 73 10.04583 10.251. 74 11.872078 10.251. 73 10.05336 10.251. 73 20.12307 10.251. 73 20.12307 10.251. 73 27.71370 10.251. 73 27.71370 10.251. 73 27.71370 10.251. 73 27.71370 10.251. 73 27.71370 10.251. 73 27.71370 10.251. 74 20.12305 10.251. 75 20.123454 10.251. 77 25.131462 10.251. 77 27.87471607 10.251. 73 20.20051 10.251. 514 35.209051 10.251. 516 35.209051 10.251. 517 35.209051 10.251. 518 35.209051 1 | 13 7.203454 | 10.251.93.1 | LO 1 | 0.250.93.57 | SIP | 493 Status | : 100 Trying | | | | |
| 15 7.236543 10.250. 437 10.045836 10.251. 711 11.870965 10.250. 714 11.87078 10.251. 733 15.053737 10.251. 734 20.123097 10.251. 735 25.131482 10.251. 737 25.131482 10.251. 738 27.719707 10.251. 739 27.721307 10.251. 740 27.721345 10.251. 751 31.52.09051 10.251. 514 35.209051 10.251. | 14 7.203494 | 10.251.93.1 | 10 1 | 0.250.93.57 | SIP/SDF | 1100 Status | : 200 OK | | | | |
| 436 10. 04 310 10. 251. 437 10. 04 5386 10. 251. 437 10. 04 5386 10. 251. 714 11. 870955 10. 251. 714 11. 870765 10. 251. 713 15. 053737 10. 251. 733 15. 053737 10. 251. 734 20. 123097 10. 251. 735 20. 123057 10. 251. 736 25. 130902 10. 251. 737 25. 131482 10. 251. 738 27. 719707 10. 251. 739 27. 721307 10. 251. 730 20. 22307 10. 251. 737 25. 131482 10. 251. 739 27. 721307 10. 251. 730 20. 22307 10. 251. 737 25. 131482 10. 251. 737 25. 131482 10. 251. 737 25. 131482 10. 251. 737 25. 131482 10. 251. 737 25. 131482 10. 251. 737 25. 131482 10. 251. 710 251. 77.71345 710 251. 70. 251. 710 251. 71. 51. 513 52. 208687 10. 251. 513 52. 208687 10. 251. | 15 7.236543 | 10.250. | nort1 ncan • V | oID Calls | | | | | | | |
| 437 10. 045836 10. 251. 711 11. 870065 10. 250. 732 15. 053366 10. 251. 733 15. 053377 10. 251. 734 20. 123454 10. 251. 735 20. 123454 10. 251. 736 20. 123454 10. 251. 737 25. 130902 10. 251. 738 27. 719707 10. 251. 738 27. 719707 10. 251. 738 27. 719707 10. 251. 738 27. 719707 10. 251. 737 25. 130482 10. 251. 738 27. 719707 10. 251. 775 27. 874125 10. 251. 775 27. 874125 10. 251. 101 30. 200878 10. 251. 513 35. 208687 10. 251. 513 35. 208687 10. 251. 101 30. 200873 10. 251. 513 35. 208687 10. 251. 514 35. 208687 10. 251. 6 0. 251. 713 | 436 10.045310 | 10.251. | bour beach | on comp | | | | | | | |
| 711 11. 870965 10. 250. 714 11. 870965 10. 251. 732 15. 053365 10. 251. 733 15. 0533737 10. 251. 734 20.123097 10. 251. 735 20.123454 10. 251. 736 20.123454 10. 251. 737 25. 13142 10. 251. 738 27. 719707 10. 251. 738 27. 719707 10. 251. 739 27. 721307 10. 251. 740 27. 721345 10. 251. 740 27. 721345 10. 251. 740 27. 721345 10. 251. 740 27. 721345 10. 251. 741 35. 200867 10. 251. 742 50. 251. 70. 251. 743 20. 251. 70. 251. 744 27. 721345 10. 251. 745 27. 719707 10. 251. 740 27. 721345 10. 251. 713 35. 208687 10. 251. 714 35. 209051 10. 251. 714 35. 209051 10. 251. 714 35. 209051 10. 251. 714 35. 209051 10. 251. 714 35. 209051 10. 251. 715 27. 874125 10. 251. <td>437 10.045836</td> <td>10.251.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 437 10.045836 | 10.251. | | | | | | | | | |
| 714 11. 872078 10. 251. 732 15. 053366 10. 251. 733 15. 053737 10. 251. 734 20. 123097 10. 251. 735 20. 123097 10. 251. 736 25. 130902 10. 251. 737 27. 721307 10. 251. 738 27. 721307 10. 251. 738 27. 721307 10. 251. 738 27. 721307 10. 251. 738 27. 721307 10. 251. 738 27. 721307 10. 251. 738 27. 721307 10. 251. 739 27. 721307 10. 251. 730 20. 22307 10. 251. 730 27. 721307 10. 251. 730 27. 721307 10. 251. 740 27. 721345 10. 251. 731 5. 0. 251. 740 27. 721345 10. 251. 740 27. 721345 10. 251. 740 27. 721345 10. 251. 741 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. 744 35. 209051 10. 251. | 711 11.870965 | 10.250. | | | | | Detected 2 VoIP Calls. Sel | ected 1 Call. | | | |
| 732 15. 053366 10. 251. 733 15. 053366 10. 251. 734 20. 123454 10. 251. 735 20. 123454 10. 251. 736 25. 130902 10. 251. 737 25. 131482 10. 251. 738 27. 71307 10. 251. 738 27. 71307 10. 251. 739 27. 71307 10. 251. 739 27. 71307 10. 251. 739 27. 71307 10. 251. 737 25. 131482 10. 251. 738 27. 71307 10. 251. 739 27. 71307 10. 251. 713 25. 130482 10. 251. 713 25. 130482 10. 251. 713 26. 77.71977 10. 251. 713 25. 130482 10. 251. 713 25. 130482 10. 251. 713 26. 77.71977 10. 251. 713 25. 130482 10. 251. 713 25. 130482 10. 251. 513 35. 208687 10. 251. | 714 11.872078 | 10.251. 5 | art Time | Stop Time | Initial Speaker | 4 From | 4 To | Protocol | Packets | State Comme | nts (|
| 733 15. 053737 10. 251. 7.0072 110/2018 1022035.37 03KCL Walk AR - Valida (Stip):5333222222222136: SIP 6 COMPLETED 734 20. 123097 10. 251. 7.719707 36.979711 10.251.93.57 +18595471607 <sip:+1859! <="" sip.55555222222222136:="" sip<="" td=""> 6 COMPLETED 738 27.719707 10. 251. 7.719707 10. 251. 7.719707 10. 251. 738 27.719707 10. 251. 7.719707 10. 251. 7.719707 10. 251. 740 27.721307 10. 251. 7.719707 10. 251. 7.719707 10. 251. 775 27. 874125 10. 251. 51. 51. 51. 51. 713 30. 2008673 10. 251. 51. 51. 51. 51. 513 35. 209051 10. 251. 51. 51. 51. 51. 51. 513 35. 208687 10. 251. 51. 51. 51. 51. 51. 513 35. 209051 10. 251. 51. 51. 51. 51. 51. 513 35. 209687 <t< td=""><td>732 15.053366</td><td>10.251.</td><td>7 201723</td><td>11 07207</td><td>10.250.02.57</td><td>"LICOVI Mail</td><td>AA Vanda Leaim SSSSS</td><td>2222222222126' CID</td><td>, others</td><td>6 COMPLETED</td><td></td></t<></sip:+1859!> | 732 15.053366 | 10.251. | 7 201723 | 11 07207 | 10.250.02.57 | "LICOVI Mail | AA Vanda Leaim SSSSS | 2222222222126' CID | , others | 6 COMPLETED | |
| 734 20.123097 10.251. 735 20.123057 10.251. 736 25.130902 10.251. 737 25.131482 10.251. 738 27.721307 10.251. 739 27.721307 10.251. 740 27.721345 10.251. 710 30.200873 10.251. 710 30.200873 10.251. 710 30.200873 10.251. 710 30.200873 10.251. 710 30.200873 10.251. 710 30.200871 10.251. | 733 15.053737 | 10.251. | 7.201722 | 11.0/20/ | 0 10.230.95.37 | USRAL IVIAI | TAA - Vanua T< sip:00002 | 222222222221502 SIP | | 8 COMPLETED | |
| 735 20.123454 10.251. 736 25.130902 10.251. 737 25.131482 10.251. 738 27.719707 10.251. 739 27.721307 10.251. 740 27.721345 10.251. 775 27.874125 10.251. 713 35.208687 10.251. 513 35.208687 10.251. 513 35.208687 10.251. 514 35.209051 10.251. 514 35.209051 10.251. 514 35.209051 10.251. Total: Calls: 2 Start packets: 0 Completed calls: 0 Trame 9: 508 bytes on v aw packet data nternet Protocol Vers | 734 20.123097 | 10.251. | 27.719707 | 7 36.97971 | 1 10.251.93.57 | +1859547160 | 07 <sip:+1859! <sip:555552<="" td=""><td>222222222136: SIP</td><td></td><td>6 COMPLETED</td><td></td></sip:+1859!> | 222222222136: SIP | | 6 COMPLETED | |
| 736 25.130902 10.251. 737 25.131482 10.251. 738 27.719707 10.251. 739 27.721307 10.251. 740 27.721345 10.251. 010 30.200873 10.251. 011 30.201266 10.251. 513 35.208687 10.251. 514 35.209051 10.251. 514 35.209051 10.251. 514 35.209051 10.251. Total: Calls: 2 Start packets: 0 Completed calls: 2 Rejected calls: 0 Prepare Filter Flow Player Select <u>A</u> ll <u>Close</u> | 735 20.123454 | 10.251. | | | | | | | | | |
| 737 25.131482 10.251. 738 27.721307 10.251. 739 27.721307 10.251. 740 27.721345 10.251. 010 30.200873 10.251. 013 0.200873 10.251. 514 35.209051 10.251. 514 35.209051 10.251. rame 9: 508 bytes on vaw packet data nternet Protocol Vers Prepare Filter Flow Player Select <u>A</u> ll Close | 736 25.130902 | 10.251. | | | | | | | | | |
| 738 27.719707 10.251. 739 27.721307 10.251. 740 27.721345 10.251. 775 27.874125 10.251. 011 30.201266 10.251. 513 35.208687 10.251. 514 35.209051 10.251. 514 35.209051 10.251. 514 35.209051 10.251. Total: Calls: 2 Start packets: 0 Completed calls: 2 Rejected calls: 0 rame 9: 508 bytes on v aw packet data nternet Protocol Vers | 737 25.131482 | 10.251. | | | | | | | | | |
| 739 27.721307 10.251. 740 27.721345 10.251. 010 30.200873 10.251. 011 30.201266 10.251. 513 35.208687 10.251. 514 35.209051 10.251. 514 35.209051 10.251. rame 9: 508 bytes on v aw packet data nternet Protocol Vers | 738 27.719707 | 10.251. | | | | | | | | | |
| 740 27.721345 10.251. 775 27.874125 10.251. 011 30.201266 10.251. 513 35.208687 10.251. 514 35.209051 10.251. 6 Total: Calls: 2 Start packets: 0 Completed calls: 2 Rejected calls: 0 rame 9: 508 bytes on v aw packet data nternet Protocol Vers | 739 27.721307 | 10.251. | | | | | | | | | |
| 775 27. 874125 10. 251. 010 30. 200873 10. 251. 513 35. 208687 10. 251. 513 35. 208687 10. 251. 514 35. 209051 10. 251. 600 26 072672 10. 251 Total: Calls: 2 Start packets: 0 Completed calls: 2 Rejected calls: 0 Trame 9: 508 bytes on v aw packet data nternet Protocol Vers | 740 27.721345 | 10.251. | | | | | | | | | |
| 010 30. 200873 10. 251. 011 30. 201266 10. 251. 513 35. 209051 10. 251. 514 35. 209051 10. 251. 514 35. 209051 10. 251. 514 35. 209051 10. 251. Total: Calls: 2 Start packets: 0 Completed calls: 2 Rejected calls: 0 Trame 9: 508 bytes on v aw packet data thermet Protocol Vers | 775 27.874125 | 10.251. | | | | | | | | | |
| 011 30. 2012 66 10. 251. 513 35. 2086 87 10. 251. 514 35. 2090 51 10. 251. 500 26 076672 10 251 rame 9: 508 bytes on v aw packet data thernet Protocol Vers | 1010 30.200873 | 10.251. | | | | | | | | | |
| 513 35. 208687 10. 251. 514 35. 209051 10. 251. 600 26 07 26 72 10. 251 rame 9: 508 bytes on v aw packet data nternet Protocol Vers | 1011 30.201266 | 10.251. | | | | | | | | | |
| 514 35.209051 10.251. III 690 26 079672 10.251 Total: Calls: 2 Start packets: 0 Completed calls: 2 Rejected calls: 0 rame 9: 508 bytes on vaw packet data nternet Protocol Vers | 1513 35.208687 | 10.251. | | | | | | | | | |
| See 0.26 0.26 0.72672 10 251 Total: Calls: 2 Start packets: 0 Completed calls: 2 Rejected calls: 0 rame 9: 508 bytes on v aw packet data Prepare Filter Flow Player Select <u>All</u> | 1514 35.209051 | 10.251. | | | | | III | | | | |
| rame 9: 508 bytes on v aw packet data nternet Protocol Vers | 1600 26 070672 | 10 251 | | | | Tatal Calls 2 | | | 0 | | |
| rame 9: 508 bytes on a Aw packet data Select <u>All</u> <u>Close</u> | | | | | | Total: Calls: 2 | start packets: 0 Complet | ed calls: 2 Rejected call | E 0 | | |
| aw packet data | Frame 9: 508 by | tes on v | | Prepare Filter | | Flow | Player | Se | lect All | Close | |
| nternet Protocol Vers | Raw packet data | | | report inter | | | ridyer | | | Close | |
| | Internet Protoco | ol vers | | | | | | | | | |
| ser Datagram Protocol, Src Port: 58800 (58800), Dst Port: sip (5060) | User Datagram P | rotocol, Sr | c Port: 58 | 3800 (58800), | Dst Port: si | (5060) | | | | | |
| ession Initiation Protocol (OPTIONS) | Session Initiat | ion Protoco | 1 (OPTIONS | 5) | | | | | | | |

| d port1. | port1.pcap [Wireshark 1.10.3 (SVN Rev 53022 from /trunk-1.10)] | | | | | | | | | | | | | |
|---|--|---|--|---------------------|------------------------|-----------------|---|----------------------|-----------------------------|--------------------|-----------------|-------|--|--|
| <u>Eile E</u> dit | <u>V</u> iew <u>G</u> o | <u>Capture</u> | <u>A</u> nalyze <u>S</u> tatistics Tel | phony <u>T</u> ools | Internals <u>H</u> elp | | | | | | | | | |
| 0 0 | 📕 port1.pca | p - VoIP - RTI | P Player | | alin ali e selec | | 0 | | | | | | | |
| Filter: | | | | 🔳 Vi | iew as time of day | r | | | | | | | | |
| No. | | | | | | | | | | | | | | |
| | Jitter buffer | r [ms] 50 🗘 🔲 Use RTP timestamp Decode Play Pause Stop Close | | | | | | | | | | | | |
| 1 | | | | | | | -0.00 | 20 | WMI CHIA O | mpicaro con | transport_ | ida I | | |
| 1 | | | 27.10 10.1 | | 211 | | . 100 11 9 110 1 | | VAMLGWIA.0 | illini care. coi | ii, transport=t | up I | | |
| 14 | 7.203494 | 10.251. | 93.10 10.2 | 50.93.57 | SIP/SDF | 1100 Status | 5: 200 OK | | | | | | | |
| 15 | 7.236543 | 10.250. | 📕 port1.pcap - VoIP C | alls | | | | | | | | | | |
| 436 | 10.045310 | 10.251. | the second s | | | | | | | | | | | |
| 437 | 11.87096 | 10.251. | | | | | Detected 2 VoIP Calls, Selected 1 | Call. | | | | | | |
| 714 | 11.872078 | 10.251. | Charl Time A Ch | | | 4.5 | 4.7. | A Destand | 4 Dealerte | 4 6444 | 1.0 | | | |
| 732 | 15.053366 | 5 10.251. | 5tart Time - 5t | 11 07 2070 | 10.250.02.57 | * From | • 10 in AA - Vanda Lerin(55555222222) | | Packets | State COMPLETE | Comments | - | | |
| 733 | 15.053737 | 10.251. | 7.201722 | 11.072070 | 10.250.95.57 | USRAL IVIA | | 222213023IP | | 0 COMPLETE | .0 | | | |
| 734 | 20.12309/ | 10.251. | 27./19/07 | 36.9/9/11 | 10.251.93.57 | +185954/16 | 007 <sip:+1859: <sip:55555222222<="" th=""><th>2222136: SIP</th><th></th><th>6 COMPLETE</th><th>:0</th><th></th></sip:+1859:> | 2222136: SIP | | 6 COMPLETE | :0 | | | |
| 736 | 25.130902 | 10.251. | | | | | | | | | | | | |
| 737 | 25.131482 | 10.251. | | | | | | | | | | | | |
| 738 | 27.719707 | 10.251. | | | | | | | | | | | | |
| 739 | 27.721307 | 10.251. | | | | | | | | | | | | |
| 740 | 27.72134 | 10.251. | | | | | | | | | | | | |
| 1010 | 30.20087 | 10.251. | | | | | | | | | | | | |
| 1011 | 30.201266 | 10.251. | | | | | | | | | | | | |
| 1513 | 35.208687 | 10.251. | | | | | | | | | | | | |
| 1514 | 35.209051 | 10.251. | * | | | | ш | | | | | • | | |
| * | | | | | | Total: Calls: 2 | Start packets: 0 Completed call | s: 2 Rejected calls: | 0 | | | | | |
| Frame Raw p Inter | 9: 508 b acket dat net Proto | ytes on v a col Vers | Pr | pare Filter | | Flow | Player | Sele | ect <u>A</u> ll | | Close | | | |

Étape 4. Lecture de l'enregistrement.

Afin de lire la conversation enregistrée, sélectionnez le graphique décodé pour l'appel en question et sélectionnez **Lire**.

| 📕 port1.; | ocap [Wi | reshark 1.3 | LO.3 (SVN Rev S | 3022 from /tro | unk-1.10)] | | | | | | | | | |
|-------------------|-----------|-----------------------|----------------------|-----------------|--------------|------------------------|--------------------|------------------------|-----------------|-------------------------|-------------------|----------------------|---------|---|
| <u>Eile Edit</u> | View | <u>Go</u> <u>C</u> ap | ture <u>A</u> nalyze | Statistics | Telephony | Tools Internal | s <u>H</u> elp | | | | | | | |
| • • | 🚄 port1 | pcap - Vo | IP - RTP Player | | | di di | - 19- | | | | <u>]</u> | | | |
| Filter: | | · | | | | | | | | | 2@VXMLGW1A | .omnicare.com;transp | ort=udp | |
| 1 | 28 s | | 29 s | 30 s | 3 | 1 5 | 32 s | 33 s | 34 s | 35 s | | | | |
| 1 1 43 | From | n 10.251.9 | 3.177:20798 to : | 10.251.93.10:18 | 902 Duratio | mining on:9.08 Drop by | Jitter Buff:0(0.0% | i) Out of Seq: 0 | (0.0%) Wrong Ti | • mestamp: 0(0.0%) | | | | 8 |
| 43 | | | | | | | | | | | | | | |
| 71- | وحيري | | | يت جو جي | | | | | | | I Packets | | ents | • |
| 73 | | | | | | | | | | | | 6 COMPLETED | | |
| 73 | 28 5 | | 29.5 | 30 s | _ | 31 s | 32.5 | 33 5 | 34 5 | 35 5 | | 6 COMPLETED | | |
| 73 | < | | | | | | | | 515 | ÷. | | | | |
| 73 73 | From From | n 10.251.9 | 3.10:18902 to 1 | 0.251.93.177:20 | 798 Duratio | on:9.20 Drop by | Jitter Buff:0(0.0% | Out of Seq: 0 | (0.0%) Wrong Ti | mestamp: 0(0.0%) | | | | |
| 73 | | | | | | 🔲 View as tir | me of day | | | | | | | |
| 77 101 101: | Jitter bu | iffer [ms] | 50 🔹 🗖 | Use RTP times | tamp | Decode | <u>P</u> lay | P <u>a</u> use | Stop | Close | | | | |
| 151 | | | | | | | | | | | | | | |
| 1514 | 26 079 | 672 10 | 251 | à | | | | A SAME AN AN | m | | - | | | |
| < [| | | | | | | Tota | I: Calls: 2 Start | oackets: 0 Comp | leted calls: 2 Rejected | calls: 0 | | | |
| Frame Paw n | 9: 50 | 8 bytes | onv | [| Prepare Filt | er | Flow | | Player | | Select <u>All</u> | Close | | |
| Inter | net Pr | otocol | Vers | | | | | - | | | | | | |
| User Sossi | Datagr | am Prot | ocol, Src | Port: 588 | 00 (5880 | 00), Dst Por | rt: sip (506 | 50) | | | | | | |
| E 562221 | OU TUI | LIALIUI | FIOLOCOT | (OFITONS) | | | | | | | | | | |

La procédure décrite peut être utilisée pour résoudre les problèmes de qualité audio, de qualité audio unidirectionnelle ou d'état d'air mort.

Ces commandes de débogage peuvent être tapées sur la passerelle VXML pour un diagnostic supplémentaire.

debug ccsip mess debug ccsip error debug voip ccapi inout debug voip dialpeer inout debug http client all debug voip application script debug voip application vxml debug voip rtp session named-events debug voip rtp sess nse debug voip rtp