

# Depuração de provedor de serviço de telefonia de voz

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## [Introdução](#)

Este documento fornece duas captações da saída do comando debug vtsp all para um único atendimento que passe com sucesso um fax. O primeiro é para o fax de T.38, mas é igualmente relevante para o fax relay sobre a Voz sobre IP (VoIP). Esta saída contém comentários para demonstrar o processo de identificação que o codec de fax baixou e usou. A segunda decodificação é para Voz sobre Frame Relay (VoFR) e é deixada sem comentários. O vtsp debugar toda a saída não contém muita informação de uma perspectiva do protocolo T.30, mas fornece a informação de estado útil do roteador como:

- Confirmação de que o roteador entrou no modo de fax
- Taxa de fax, codec e se o Modo de Correção de Erros (ECM) foi usado
- Confirmação que o gateway de terminação recebeu um tom do fax da máquina de fax de terminação

## [Antes de Começar](#)

### [Convenções](#)

Para obter mais informações sobre convenções de documento, consulte as [Convenções de dicas técnicas Cisco](#).

### [Pré-requisitos](#)

Não existem requisitos específicos para este documento.

## Componentes Utilizados

As informações neste documento estão baseadas primeiramente no Cisco IOS Software Release 12.2(5), embora a maioria das informações também devam ser úteis para outros Cisco IOS Software Releases.

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se você estiver trabalhando em uma rede ativa, certifique-se de que entende o impacto potencial de qualquer comando antes de utilizá-lo.

## Comando T.38 debug vtsp all mostrando download de codec de fax

Para o fax relay T.38, após a chamada ser conectada e o roteador detectar o comando fax tone debug, serão exibidas mensagens semelhantes às mensagens abaixo.

### Comando debug vtsp all

```
!--- Prior to the ccCallConnect message and during the
capabilities !--- exchange phase, the fax_rate message
may be displayed as follows: .Jun 4 21:06:43.677:
cc_api_caps_ack (dstVdbPtr=0x62F07650, dstCallId=0x18,
srcCallId=0x19, caps={codec=0x4, fax_rate=0x2, vad=0x2,
modem=0x0 codec_bytes=20, signal_type=2}) !--- In this
case the fax rate 0x02 refers to the voice rate, which
!--- with this codec (g.729), is less than or equal to 8
kbps. !--- Listed below are the other possible fax rate
values. !--- Below is a listing of fax rate values for
Cisco IOS Software Release 12.2.x or earlier: !--- hex
value fax rate value !--- 0x2 Voice !--- 0x4 14400 !---
0x8 9600 !--- 0x10 7200 !--- 0x20 4800 !--- 0x40 2400 !-
- 0x80 1200 !--- Below is a listing of new fax rate
values for Cisco IOS Software Release 12.3.x or later:
!--- Note the hex values now map to slightly different
speeds than the list above. !--- !--- #define
CC_CAP_FAX_NONE 0x01 !--- #define CC_CAP_FAX_VOICE 0x02
!--- #define CC_CAP_FAX_24 0x04 !--- #define
CC_CAP_FAX_48 0x08 !--- #define CC_CAP_FAX_72 0x10 !---
#define CC_CAP_FAX_96 0x20 !--- #define CC_CAP_FAX_120
0x40 !--- #define CC_CAP_FAX_144 0x80 !--- Usually,
after the call is connected, the ccCallConnect debug !-
- message is seen as follows: .Jun 4 21:06:44.841:
ccCallConnect (callID=0x18), prog_ind = 0 .Jun 4
21:06:44.841: ssaFlushPeerTagQueue cid(24) peer list:
(empty) .Jun 4 21:06:47.437: vtsp_process_dsp_message:
MSG_TX_GET_TX_STAT: rtp_timestamp=0xD4D85071 .Jun 4
21:06:47.437: vtsp:[4/0:15 (25), S_CONNECT,
E_DSP_GET_TX] .Jun 4 21:06:49.049:
vtsp_process_dsp_message: MSG_TX_GET_TX_STAT:
rtp_timestamp=0xD4D882D1 .Jun 4 21:06:49.049:
vtsp:[4/0:15 (25), S_CONNECT, E_DSP_GET_TX] .Jun 4
21:06:50.129: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=1 tone_id=0 .Jun 4
21:06:50.129: vtsp:[4/0:15 (25), S_CONNECT,
E_DSP_TONE_DETECT] .Jun 4 21:06:50.129:
vtsp_modem_proto_from_cdb: cap_modem_proto 0 .Jun 4
```

```
21:06:50.129: cc_api_call_feature: (vdbPtr=0x63387EDC,
callID=0x19,feature_ind.type=1 .Jun 4 21:06:50.129:
act_lfax_switch: cap_modem_proto=16, fax_relay_on=1,
state=19 .Jun 4 21:06:50.129: vtsp_t38_switchover:2 -
data_mode:1 !--- Note that 2 means T.38; 1 means Cisco
proprietary. .Jun 4 21:06:50.129: cc_api_t38_fax_start
(dstVdbPtr=0x62F07650, dstCallId=0x18, srcCallId=0x19,
caps={codec=0x10000, fax_rate=0x2, vad=0x2, modem=0x0
codec_bytes=20, signal_type=2}) .Jun 4 21:06:50.129:
vtsp_timer: 20362254 .Jun 4 21:06:50.129: sess_appl:
ev(28=CC_EV_CALL_FEATURE), cid(25), disp(0) .Jun 4
21:06:50.129:
cid(25)st(SSA_CS_ACTIVE)ev(SSA_EV_CALL_FEATURE)
oldst(SSA_CS_CONFERENCED_ALERT)cfid(8)csize(0)in(0)fDest
(0) .Jun 4 21:06:50.129: -
cid2(24)st2(SSA_CS_ACTIVE)oldst2
(SSA_CS_CONFERENCING_ALERT) .Jun 4 21:06:50.129:
ccCallFeature (callID=0x18, feature.type=1) .Jun 4
21:06:50.249: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=0 tone_id=0 .Jun 4
21:06:50.249: vtsp:[4/0:15 (25), S_LFAX_WAIT_CAPS_ACK,
E_DSP_TONE_DETECT] .Jun 4 21:06:50.249:
vtsp_process_event(): prev_state = 0.11 , state =
S_LFAX_WAIT_CAPS_ACK, event = E_DSP_TONE_DETECT .Jun 4
21:06:50.389: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=1 tone_id=0 .Jun 4
21:06:50.389: vtsp:[4/0:15 (25), S_LFAX_WAIT_CAPS_ACK,
E_DSP_TONE_DETECT] .Jun 4 21:06:50.389:
vtsp_process_event(): prev_state = 0.11 , state =
S_LFAX_WAIT_CAPS_ACK, event = E_DSP_TONE_DETECT .Jun 4
21:06:50.489: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=0 tone_id=0 .Jun 4
21:06:50.489: vtsp:[4/0:15 (25), S_LFAX_WAIT_CAPS_ACK,
E_DSP_TONE_DETECT] .Jun 4 21:06:50.489:
vtsp_process_event(): prev_state = 0.11 , state =
S_LFAX_WAIT_CAPS_ACK, event = E_DSP_TONE_DETECT Invalid
FSM Input on channel 4/0:15 (25) .Jun 4 21:06:50.529:
cc_api_t38_fax_start (dstVdbPtr=0x63387EDC,
dstCallId=0x19, srcCallId=0x18, caps={codec=0x10000,
fax_rate=0x2, vad=0x2, modem=0x0 codec_bytes=160,
signal_type=2}) .Jun 4 21:06:50.529: vtsp:[4/0:15 (25),
S_LFAX_WAIT_CAPS_ACK, E_CC_T38_START] .Jun 4
21:06:50.529: act_caps_ack_lfax_dnld .Jun 4
21:06:50.529: vtsp_timer_stop: 20362294 .Jun 4
21:06:50.529: dsp_idle_mode: [4/0:15 (25)] packet_len=8
channel_id=1 packet_id=68 .Jun 4 21:06:50.529:
vtsp:[4/0:15 (25), S_LFAX_DOWNLOAD,
E_DSPRM_PEND_SUCCESS] .Jun 4 21:06:50.529: act_lfax_mode
.Jun 4 21:06:50.529: cc_api_local_codec_dnld_done
(dstVdbPtr=0x62F07650, dstCallId=0x18, srcCallId=0x19)
!--- The previous three messages confirm that the fax
codec was successfully !--- downloaded into the DSP. You
may not see all the messages above !--- and below. The
important point is that you do not see error !---
messages saying that the fax codec was not downloaded
correctly. .Jun 4 21:06:50.529: vtsp_timer: 20362294
.Jun 4 21:06:50.929: cc_api_t38_fax_start
(dstVdbPtr=0x63387EDC, dstCallId=0x19, srcCallId=0x18,
caps={codec=0x10000, fax_rate=0x2, vad=0x2, modem=0x0
codec_bytes=160, signal_type=2}) .Jun 4 21:06:50.929:
cc_api_remote_codec_dnld_done (dstVdbPtr=0x63387EDC,
dstCallId=0x19, srcCallId=0x18) .Jun 4 21:06:50.929:
vtsp:[4/0:15 (25), S_LFAX_WAIT_FAX, E_CC_T38_START] .Jun
4 21:06:50.929: vtsp:[4/0:15 (25), S_LFAX_WAIT_FAX,
```

```
E_CC_T30_CAP_ACK] .Jun 4 21:06:50.929: act_t38_lfax_mode
.Jun 4 21:06:50.929: vtsp_timer_stop: 20362334 .Jun 4
21:06:50.929: dsp_idle_mode: [4/0:15 (25)] packet_len=8
channel_id=1 packet_id=68 .Jun 4 21:06:50.929:
dsp_encap_config: T38 .Jun 4 21:06:50.929: dsp_fax_mode:
[4/0:15 (25)] FaxRate 0x2, Codec 0x10000 dsp_fax_mode()
ECM_DISABLE not set, debug_info requested .Jun 4
21:06:50.929: dsp_fax_mode: [] packet_len=28
channel_id=1 packet_id=69 max_trans=3 info_size=20,
fax_protocol_type=3, ls_data_red=0, hs_data_red=0,
tcf_handling=2, fax_relay_cntl=0x2 nsf_country = 0xAD,
nsf_mfg = 0x0051 !--- During the fax transmission the
Cisco IOS Software polls the DSP !--- statistics
periodically, and the following message appears: .Jun 4
21:06:50.929: vtsp:[4/0:15 (25), S_FAX, E_DSP_GET_TX
```

O rastreamento pode parecer diferente em versões diferentes do software Cisco IOS, mas você deve ser sempre capaz de entender se um codec de fax foi carregado corretamente e qual protocolo de fax foi usado pela saída que seguiu a palavra-chave "FAX".

Se o codec de fax não foi carregado corretamente, pode haver um problema de software. Verifique se a versão de manutenção mais recente é usada e, se ainda houver um problema, abra um caso no Centro de Assistência Técnica (TAC).

## [Exemplo funcional do comando debug vtsp all](#)

### [Roteador de Origem](#)

#### **debug vtsp all Roteador de origem**

```
vdt1-2600-2d#
Jun  5 10:10:34.053: vtsp_tsp_call_setup_ind
(sdb=0x81FD48DC, tdm_info=0x0,
tsp_info=0x81FF74DC, calling_number= calling_oct3 =
0x0,
called_number= called_oct3 = 0x81, oct3a=0x0):
peer_tag=0
Jun  5 10:10:34.053: : ev.clg.clir is 0
ev.clg.clid_transparent
is 0 ev.clg.null_orig_clg is 1
ev.clg.calling_translated is false

Jun  5 10:10:34.057: vtsp_do_call_setup_ind
Jun  5 10:10:34.057: vtsp_allocate_cdb,cdb 0x821D9344
Jun  5 10:10:34.057: vtsp_do_call_setup_ind: Call
ID=65589, guid=821D9874
Jun  5 10:10:34.057: vtsp_do_call_setup_ind: type=0,
under_spec=-2119571356,
name=f<0HNhf< 1=@, id0=1, id1=1, id2=-32567, calling=,
called= subscriber=RegularLine
Jun  5 10:10:34.057: vtsp_do_normal_call_setup_ind
Jun  5 10:10:34.057: vtsp_insert_cdb,cdb 0x821D9344
Jun  5 10:10:34.057: vtsp_open_voice_and_set_params
Jun  5 10:10:34.057: dsp_close_voice_channel: [1/1:0:27]
packet_len=8
channel_id=2 packet_id=75
Jun  5 10:10:34.057: dsp_open_voice_channel_20:
[1/1:0:27] packet_len=16
channel_id=2 packet_id=74 alaw_ulaw_select=0
```

```
associated_signaling_channel=129 time_slot=1
serial_port=0
Jun  5 10:10:34.057: vtsp_modem_proto_from_cdb:
cap_modem_proto 1073741824
Jun  5 10:10:34.057: vtsp_modem_proto_from_cdb:
cap_modem_proto 1073741824
Jun  5 10:10:34.057: dsp_encap_config: [1/1:0:27]
packet_len=30
  channel_id=2 packet_id=92 TransportProtocol 2
t_ssrc=0x0 r_ssrc=0x0
  t_vpxcc=0x0 r_vpxcc=0x0 sid_support=1,
tse_payload=65535, seq_num=0x0,
  redundancy=0
Jun  5 10:10:34.061: dsp_set_playout_delay
Jun  5 10:10:34.061: dsp_set_playout: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
  dsp_set_playout_delay_config
Jun  5 10:10:34.061: dsp_set_playout_config
Jun  5 10:10:34.061: mode 0, init 60, min 40, max 200
playout default

Jun  5 10:10:34.061: dsp_set_playout_config:mode 0, init
60, min 40, max 200
Jun  5 10:10:34.061: dsp_set_playout_config: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
Jun  5 10:10:34.061: dsp_echo_canceler_control:
echo_cancel: 1
Jun  5 10:10:34.061: dsp_echo_canceler_control:
[1/1:0:27] echo_cancel 1,
  disable_hpf 0, flags=0x0
Jun  5 10:10:34.061: dsp_echo_canceler_control:
[1/1:0:27] packet_len=10
  channel_id=2 packet_id=66 flags=0x0
Jun  5 10:10:34.061: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0
Jun  5 10:10:34.061: dsp_set_gains: [1/1:0:27]
packet_len=12
  channel_id=2 packet_id=91 in_gain=0 out_gain=0
Jun  5 10:10:34.061: dsp_vad_enable: [1/1:0:27] enable:
packet_len=12
  channel_id=2 packet_id=78 thresh=-38
Jun  5 10:10:34.061: vtsp_report_digit_control:
enable=1: digit reporting enabled
Jun  5 10:10:34.061: : vtsp_get_digit_timeouts
Jun  5 10:10:34.065: vtsp:[1/1:0:27, S_SETUP_INDICATED,
E_CC_SETUP_ACK]
Jun  5 10:10:34.065: act_setup_ind_ack
Jun  5 10:10:34.065: vtsp_modem_proto_from_cdb:
cap_modem_proto 0
Jun  5 10:10:34.065: vtsp_modem_proto_from_cdb:
cap_modem_proto 0
Jun  5 10:10:34.065: dsp_encap_config: [1/1:0:27]
packet_len=30
  channel_id=2 packet_id=92 TransportProtocol 2
t_ssrc=0x0 r_ssrc=0x0
  t_vpxcc=0x0 r_vpxcc=0x0 sid_support=1,
tse_payload=65535, seq_num=0x0,
  redundancy=0
Jun  5 10:10:34.065: dsp_voice_mode: [1/1:0:27] cdb
821D9344,
```

```
cdb->codec_params.modem 2, inband_detect flags 0x21
Jun  5 10:10:34.065: map_dtmf_relay_type--digit relay
mode: 2
Jun  5 10:10:34.065: dsp_voice_mode: [1/1:0:27]
packet_len=24
  channel_id=2 packet_id=73 coding_type=1
voice_field_size=80 VAD_flag=0
  echo_length=64 comfort_noise=1 inband_detect=33
digit_relay_mode=2
  AGC_flag=0act_setup_ind_ack: modem_mode = 0,
fax_relay_on = 1
Jun  5 10:10:34.065: act_setup_ind_ack():
  dsp_dtmf_mode()dsp_dtmf_mode(VTSP_TONE_DTMF_MODE)

Jun  5 10:10:34.065: dsp_dtmf_mode: [1/1:0:27]
packet_len=10
  channel_id=2 packet_id=65 dtmf_or_mf=0
Jun  5 10:10:34.065: vtsp_timer: 43525550
Jun  5 10:10:34.065: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_CC_GEN_TONE]
Jun  5 10:10:34.065: act_gen_tone
Jun  5 10:10:34.065: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:34.065: dsp_cp_tone_on: [1/1:0:27]
packet_len=38
  channel_id=2 packet_id=72 tone_id=4 n_freq=2
freq_of_first=350
  freq_of_second=440 amp_of_first=5514 amp_of_second=5514
direction=1
  on_time_first=65535 off_time_first=0 on_time_second=0
off_time_second=0
Jun  5 10:10:34.065: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_CC_GEN_TONE]
Jun  5 10:10:34.069: act_gen_tone
Jun  5 10:10:34.069: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:34.069: dsp_cp_tone_on: [1/1:0:27]
packet_len=38
  channel_id=2 packet_id=72 tone_id=4 n_freq=2
freq_of_first=350
  freq_of_second=440 amp_of_first=5514 amp_of_second=5514
direction=1
  on_time_first=65535 off_time_first=0 on_time_second=0
off_time_second=0
Jun  5 10:10:35.544: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_BEGIN: digit=4,
rtp_timestamp=0xD455BA67

Jun  5 10:10:35.544: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT_BEGIN]
Jun  5 10:10:35.544: act_report_digit_begin
Jun  5 10:10:35.612: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_OFF: digit=4, duration=120
Jun  5 10:10:35.616: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT]
Jun  5 10:10:35.616: act_report_digit_end
Jun  5 10:10:35.616: vtsp_timer_stop: 43525705
Jun  5 10:10:35.616: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:35.616: vtsp_timer: 43525705
Jun  5 10:10:35.732: vtsp_process_dsp_message:
```

```
MSG_TX_DTMF_DIGIT_BEGIN: digit=0,
rtp_timestamp=0xD455BA67
Jun  5 10:10:35.732: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
  E_DSP_DTMF_DIGIT_BEGIN]
Jun  5 10:10:35.732: act_report_digit_begin
Jun  5 10:10:35.792: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_OFF: digit=0, duration=110
Jun  5 10:10:35.792: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
  E_DSP_DTMF_DIGIT]
Jun  5 10:10:35.792: act_report_digit_end
Jun  5 10:10:35.792: vtsp_timer_stop: 43525722
Jun  5 10:10:35.796: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:35.796: vtsp_timer: 43525723
Jun  5 10:10:35.933: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_BEGIN: digit=0,
rtp_timestamp=0xD455BA67
Jun  5 10:10:35.933: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
  E_DSP_DTMF_DIGIT_BEGIN]
Jun  5 10:10:35.933: act_report_digit_begin
Jun  5 10:10:36.005: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_OFF: digit=0, duration=120
Jun  5 10:10:36.005: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
  E_DSP_DTMF_DIGIT]
Jun  5 10:10:36.005: act_report_digit_end
Jun  5 10:10:36.005: vtsp_timer_stop: 43525744
Jun  5 10:10:36.005: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:36.005: vtsp_timer: 43525744
Jun  5 10:10:36.133: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_BEGIN: digit=1,
rtp_timestamp=0xD455BA67
Jun  5 10:10:36.133: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
  E_DSP_DTMF_DIGIT_BEGIN]
Jun  5 10:10:36.133: act_report_digit_begin
Jun  5 10:10:36.193: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_OFF: digit=1, duration=110
Jun  5 10:10:36.193: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
  E_DSP_DTMF_DIGIT]
Jun  5 10:10:36.193: act_report_digit_end
Jun  5 10:10:36.193: vtsp_timer_stop: 43525762
Jun  5 10:10:36.193: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:36.193: vtsp_timer: 43525762
Jun  5 10:10:36.197: vtsp_report_digit_control:
  enable=0: digit reporting disabled
Jun  5 10:10:36.197: : vtsp_get_digit_timeouts
Jun  5 10:10:36.197: vtsp_save_dialpeer_tag: tag = 4001
Jun  5 10:10:36.197: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
  E_CC_PROCEEDING]
Jun  5 10:10:36.197: act_dcollect_proc
Jun  5 10:10:36.205: vtsp_get_dialpeer_tag: tag = 4001
Jun  5 10:10:36.890: vtsp_get_dialpeer_tag: tag = 4001
Jun  5 10:10:36.890: vtsp:[1/1:0:27, S_PROCEEDING,
  E_CC_PROGRESS]
Jun  5 10:10:36.890: act_progress
Jun  5 10:10:36.890: vtsp_timer_stop: 43525832
Jun  5 10:10:36.890: vtsp:[1/1:0:27, S_PROCEEDING,
  E_CC_BRIDGE]
Jun  5 10:10:36.890: act_bridge
Jun  5 10:10:36.890: vtsp:[1/1:0:27, S_PROCEEDING,
```

```
E_CC_CAPS_IND]
Jun  5 10:10:36.890: act_caps_ind
Jun  5 10:10:36.890: act_caps_ind: passthrough:
cap_modem_proto 0,
  cap_modem_codec 0, cap_modem_redundancy 0, payload 0
Jun  5 10:10:36.890: act_caps_ind:CC_CAP_ENCAP_FRF11
Encap 2, Vad 2,
  Codec 0x4, CodecBytes 30, FaxRate 2, FaxBytes 30,
FaxNsf 0xAD0051
  Sub-channel 8, Bitmask 0x0 SignalType 2, SeqNumStart
0x0
Jun  5 10:10:36.890: act_caps_ind: [ mode:0,init:60,
min:40, max:200]
Jun  5 10:10:36.890: vtsp:[1/1:0:27, S_PROCEEDING,
E_CC_CAPS_ACK]
Jun  5 10:10:36.890: act_caps_ack
Jun  5 10:10:36.894: act_caps_ack: passthrough:
cap_modem_proto 0,
  cap_modem_codec 0, cap_modem_redundancy 0, payload 0
Jun  5 10:10:36.894: dsp_idle_mode: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=68
Jun  5 10:10:36.894: act_caps_ack: codec = 16, ret = 2
Jun  5 10:10:36.894: vtsp_timer: 43525833
Jun  5 10:10:36.894: vtsp:[1/1:0:27, S_NULL,
E_DSPRM_PEND_SUCCESS]
Jun  5 10:10:36.894: act_pend_codec_success
Jun  5 10:10:36.894: vtsp_timer_stop: 43525833
Jun  5 10:10:36.894: vtsp_open_voice_and_set_params
Jun  5 10:10:36.894: dsp_close_voice_channel: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=75
Jun  5 10:10:36.894: dsp_open_voice_channel_20:
[1/1:0:27] packet_len=16
  channel_id=2 packet_id=74 alaw_ulaw_select=0
  associated_signaling_channel=129 time_slot=1
  serial_port=0
Jun  5 10:10:36.894: dsp_encap_config: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=92 TransportProtocol 3
  SID_support=0
  sequence_number=0 rotate_flag=0 header_bytes 0x80
Jun  5 10:10:36.894: dsp_set_playout_delay
Jun  5 10:10:36.894: dsp_set_playout: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
  dsp_set_playout_delay_config
Jun  5 10:10:36.894: dsp_set_playout_config
Jun  5 10:10:36.894: mode 0, init 60, min 40, max 200
  playout default
Jun  5 10:10:36.894: dsp_set_playout_config:mode 0, init
60, min 40, max 200
Jun  5 10:10:36.894: dsp_set_playout_config: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
Jun  5 10:10:36.894: dsp_echo_canceler_control:
echo_cancel: 1
Jun  5 10:10:36.894: dsp_echo_canceler_control:
[1/1:0:27] echo_cancel 1,
  disable_hpf 0, flags=0x0
Jun  5 10:10:36.898: dsp_echo_canceler_control:
[1/1:0:27] packet_len=10
```



```
channel_id=2 packet_id=66 flags=0x0
Jun  5 10:10:36.898: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0
Jun  5 10:10:36.898: dsp_set_gains: [1/1:0:27]
packet_len=12
channel_id=2 packet_id=91 in_gain=0 out_gain=0
Jun  5 10:10:36.898: dsp_vad_enable: [1/1:0:27] enable:
packet_len=12
channel_id=2 packet_id=78 thresh=-38
Jun  5 10:10:36.898: dsp_voice_mode: [1/1:0:27] cdb
821D9344,
cdb->codec_params.modem 0, inband_detect flags 0x1
Jun  5 10:10:36.898: map_dtmf_relay_type--digit relay
mode: 2
Jun  5 10:10:36.898: dsp_voice_mode: [1/1:0:27]
packet_len=24
channel_id=2 packet_id=73 coding_type=19
voice_field_size=30
VAD_flag=250 echo_length=64 comfort_noise=1
inband_detect=1
digit_relay_mode=2 AGC_flag=0
Jun  5 10:10:43.024: vtsp_get_dialpeer_tag: tag = 4001
Jun  5 10:10:43.024: vtsp:[1/1:0:27, S_PROCEEDING,
E_CC_CONNECT]
Jun  5 10:10:43.024: act_connect
Jun  5 10:10:43.024: vtsp_ring_noan_timer_stop: 43526446

Jun  5 10:10:48.710: vtsp:[1/1:0:27, S_CONNECT,
E_PH_CODEC_FAX]
Jun  5 10:10:48.710: act_rfax_switch
Jun  5 10:10:48.710: dsp_idle_mode: [1/1:0:27]
packet_len=8
channel_id=2 packet_id=68
Jun  5 10:10:48.710: vtsp_timer_stop: 43527014
Jun  5 10:10:48.910: vtsp:[1/1:0:27, S_RFAX_DOWNLOAD,
E_DSPRM_PEND_SUCCESS]
Jun  5 10:10:48.910: act_rfax_mode
Jun  5 10:10:48.910: vtsp:[1/1:0:27, S_RFAX_WAIT_ACK,
E_PH_CODEC_ACK]
Jun  5 10:10:48.910: act_wait_ack_ack
Jun  5 10:10:48.910: vtsp_timer_stop: 43527034
Jun  5 10:10:48.914: dsp_fax_mode: [1/1:0:27] FaxRate
0x2, Codec 0x4
dsp_fax_mode() ECM_DISABLE not set, debug_info not
requested
Jun  5 10:10:48.914: dsp_fax_mode: [1/1:0:27]
packet_len=28
channel_id=2 packet_id=69 max_trans=3 info_size=30,
fax_protocol_type=2,
hs_data_len=0, ls_data_red=0, hs_data_red=0,
tcf_handling=0,
fax_relay_cntl=0x0 nsf_country = 0xAD, nsf_mfg = 0x0051
!--- fax codecs: enum { !--- DSP_TELELOGY_FAX = 1, !---
DSP_FRF11_FAX, !--- DSP_T38_FAX vdt1-2600-2d# vdt1-2600-
2d# vdt1-2600-2d# Jun  5 10:11:21.516:
vtsp_process_dsp_message: MSG_TX_FAX_CLEARDOWN: Jun  5
10:11:21.516: vtsp:[1/1:0:27, S_FAX,
E_DSP_FAX_CLEARDOWN] Jun  5 10:11:21.516:
act_fax_to_voice Jun  5 10:11:21.516: vtsp_timer_stop:
43530295 Jun  5 10:11:21.520: dsp_idle_mode: [1/1:0:27]
packet_len=8 channel_id=2 packet_id=68 Jun  5
10:11:21.520: dsp_close_voice_channel: [1/1:0:27]
packet_len=8 channel_id=2 packet_id=75act_fax_to_voice
codec= 16 Jun  5 10:11:21.520: vtsp_timer: 43530295 Jun  5
```

```
10:11:21.520: vtsp:[1/1:0:27, S_FAX_TERM,
E_DSPRM_PEND_SUCCESS] Jun 5 10:11:21.520:
vtsp_timer_stop: 43530295 Jun 5 10:11:21.520:
act_fax_complete Jun 5 10:11:21.520:
vtsp_open_voice_and_set_params Jun 5 10:11:21.520:
dsp_close_voice_channel: [1/1:0:27] packet_len=8
channel_id=2 packet_id=75 Jun 5 10:11:21.520:
dsp_open_voice_channel_20: [1/1:0:27] packet_len=16
channel_id=2 packet_id=74 alaw_ulaw_select=0
associated_signaling_channel=129 time_slot=1
serial_port=0 Jun 5 10:11:21.520: dsp_encap_config:
[1/1:0:27] packet_len=18 channel_id=2 packet_id=92
TransportProtocol 3 SID_support=0 sequence_number=0
rotate_flag=0 header_bytes 0x80 Jun 5 10:11:21.520:
dsp_set_playout_delay Jun 5 10:11:21.520:
dsp_set_playout: [1/1:0:27] packet_len=18 channel_id=2
packet_id=76 mode=1 initial=60 min=40 max=200
fax_nom=300 dsp_set_playout_delay_config Jun 5
10:11:21.520: dsp_set_playout_config Jun 5 10:11:21.520:
mode 0, init 60, min 40, max 200 playout default Jun 5
10:11:21.520: dsp_set_playout_config:mode 0, init 60,
min 40, max 200 Jun 5 10:11:21.520:
dsp_set_playout_config: [1/1:0:27] packet_len=18
channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300 Jun 5 10:11:21.520:
dsp_echo_canceler_control: echo_cancel: 1 Jun 5
10:11:21.520: dsp_echo_canceler_control: [1/1:0:27]
echo_cancel 1, disable_hpf 0, flags=0x0 Jun 5
10:11:21.525: dsp_echo_canceler_control: [1/1:0:27]
packet_len=10 channel_id=2 packet_id=66 flags=0x0 Jun 5
10:11:21.525: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0 Jun 5 10:11:21.525:
dsp_set_gains: [1/1:0:27] packet_len=12 channel_id=2
packet_id=91 in_gain=0 out_gain=0 Jun 5 10:11:21.525:
dsp_vad_enable: [1/1:0:27] enable: packet_len=12
channel_id=2 packet_id=78 thresh=-38 Jun 5 10:11:21.525:
dsp_voice_mode: [1/1:0:27] cdb 821D9344, cdb-
>codec_params.modem 0, inband_detect flags 0x1 Jun 5
10:11:21.525: map_dtmf_relay_type--digit relay mode: 2
Jun 5 10:11:21.525: dsp_voice_mode: [1/1:0:27]
packet_len=24 channel_id=2 packet_id=73 coding_type=19
voice_field_size=30 VAD_flag=250 echo_length=64
comfort_noise=1 inband_detect=1 digit_relay_mode=2
AGC_flag=0 Jun 5 10:11:24.033: vtsp:[1/1:0:27,
S_CONNECT, E_TSP_DISCONNECT_IND] Jun 5 10:11:24.033:
act_generate_disc Jun 5 10:11:24.033:
vtsp_ring_noan_timer_stop: 43530546 Jun 5 10:11:24.033:
vtsp_timer_stop: 43530546 Jun 5 10:11:24.033:
vtsp_pcm_tone_detect_timer_stop: 43530546 Jun 5
10:11:24.033: vtsp_pcm_switchover_timer_stop: 43530546
Jun 5 10:11:24.033: vtsp:[1/1:0:27, S_CONNECT,
E_CC_BRIDGE_DROP] Jun 5 10:11:24.033: act_bdrop Jun 5
10:11:24.033: vtsp:[1/1:0:27, S_CONNECT,
E_CC_DISCONNECT] Jun 5 10:11:24.033: act_disconnect Jun
5 10:11:24.033: vtsp_ring_noan_timer_stop: 43530546 Jun
5 10:11:24.033: vtsp_pcm_tone_detect_timer_stop:
43530546 Jun 5 10:11:24.033:
vtsp_pcm_switchover_timer_stop: 43530546 Jun 5
10:11:24.033: vtsp_cot_timer_stop: 43530546 Jun 5
10:11:24.033: vtsp_timer_stop: 43530546 Jun 5
10:11:24.033: vtsp_timer: 43530546 Jun 5 10:11:24.037:
vtsp:[1/1:0:27, S_WAIT_STATS, E_DSP_GET_ERROR] Jun 5
10:11:24.037: act_get_error Jun 5 10:11:24.037:
1/1:0:27: rx_dropped=0 tx_dropped=0 rx_control=51
```

```

tx_control=14 tx_control_dropped=0 dsp_mode_channel_1=0
dsp_mode_channel_2=2 c[0]=68 c[1]=3 c[2]=10 c[3]=69
c[4]=68 c[5]=75 c[6]=75 c[7]=74 c[8]=92 c[9]=76 c[10]=76
c[11]=66 c[12]=91 c[13]=78 c[14]=73 c[15]=6 Jun 5
10:11:24.037: dsp_get_levels: [1/1:0:27] packet_len=8
channel_id=2 packet_id=89 Jun 5 10:11:24.041:
vtsp:[1/1:0:27, S_WAIT_STATS, E_DSP_GET_LEVELS] Jun 5
10:11:24.041: act_get_levels Jun 5 10:11:24.045:
vtsp_process_dsp_message: MSG_TX_GET_TX_STAT:
rtp_timestamp=0xFD908919 Jun 5 10:11:24.045:
vtsp:[1/1:0:27, S_WAIT_STATS, E_DSP_GET_TX] Jun 5
10:11:24.049: act_stats_complete Jun 5 10:11:24.049:
vtsp_timer_stop: 43530548 Jun 5 10:11:24.049:
vtsp_ring_noan_timer_stop: 43530548 Jun 5 10:11:24.049:
dsp_idle_mode: [1/1:0:27] packet_len=8 channel_id=2
packet_id=68 Jun 5 10:11:24.049: vtsp_timer: 43530548
Jun 5 10:11:24.850: vtsp:[1/1:0:27, S_WAIT_RELEASE,
E_TSP_CALL_FEATURE_IND] Jun 5 10:11:24.850:
act_call_feature_ind Jun 5 10:11:24.850: vtsp:[1/1:0:27,
S_WAIT_RELEASE, E_TSP_DISCONNECT_CONF] Jun 5
10:11:24.850: act_wrelease_release Jun 5 10:11:24.850:
vtsp_timer_stop: 43530628 Jun 5 10:11:24.854:
dsp_cp_tone_off: [1/1:0:27] packet_len=8 channel_id=2
packet_id=71 Jun 5 10:11:24.854: dsp_idle_mode:
[1/1:0:27] packet_len=8 channel_id=2 packet_id=68 Jun 5
10:11:24.854: dsp_close_voice_channel: [1/1:0:27]
packet_len=8 channel_id=2
packet_id=75vtsp_do_call_historyvtsp_do_call_history
CoderRate 20 Jun 5 10:11:24.854: vtsp:[1/1:0:27,
S_CLOSE_DSPRM, E_DSPRM_CLOSE_COMPLETE] Jun 5
10:11:24.854: act_terminate Jun 5 10:11:24.854:
vtsp_free_cdb,cdb 0x821D9344 vdt1-2600-2d#

```

## Roteador de Terminação

### debug vtsp all – Roteador de Terminação

```

vdt1-7200-2c#
Jun 5 10:10:36.200: vtsp_do_call_setup_req
Jun 5 10:10:36.200: vtsp_allocate_cdb,cdb 0x620F01FC
Jun 5 10:10:36.200: vtsp_insert_cdb,cdb 0x620F01FC
Jun 5 10:10:36.200: vtsp_do_call_setup_req calling oct3
0x0, called oct3 0x0
Jun 5 10:10:36.200: vtsp_do_call_setup_req: Call ID=55,
guid=62F8AC6C
Jun 5 10:10:36.200: digit_strip:1, pcn:4001, poa:4001
Jun 5 10:10:36.200: pcn:, poa:
Jun 5 10:10:36.200: Final pcn:, poa:, dial_string:
Jun 5 10:10:36.200: calling oct3 0x0, called oct3 0x0
Jun 5 10:10:36.200: vtsp:[2/1:0 (39), S_SETUP_REQUEST,
E_TSP_PROCEEDING]
Jun 5 10:10:36.200: act_setup_pend_proceeding
Jun 5 10:10:36.200: vtsp_open_voice_and_set_params
Jun 5 10:10:36.200: dsp_close_voice_channel: [2/1:0
(39)] packet_len=8
channel_id=1 packet_id=75
Jun 5 10:10:36.200: dsp_open_voice_channel_20: [2/1:0
(39)] packet_len=16
channel_id=1 packet_id=74 alaw_ulaw_select=0
associated_signaling_channel=128 time_slot=0
serial_port=0
Jun 5 10:10:36.200: vtsp_modem_proto_from_cdb:
cap_modem_proto 1073741824

```

```
Jun  5 10:10:36.204: vtsp_modem_proto_from_cdb:
cap_modem_proto 1073741824
Jun  5 10:10:36.204: dsp_encap_config: [2/1:0 (39)]
packet_len=30
  channel_id=1 packet_id=92 TransportProtocol 2
t_ssrc=0x0 r_ssrc=0x0
  t_vpxcc=0x0 r_vpxcc=0x0 sid_support=1,
tse_payload=65535, seq_num=0x0,
  redundancy=0
Jun  5 10:10:36.204: dsp_set_playout_delay
Jun  5 10:10:36.204: dsp_set_playout: [2/1:0 (39)]
packet_len=18
  channel_id=1 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
  dsp_set_playout_delay_config
Jun  5 10:10:36.204: dsp_set_playout_config
Jun  5 10:10:36.204: mode 0, init 60, min 40, max 200
playout default

Jun  5 10:10:36.204: dsp_set_playout_config:mode 0, init
60, min 40, max 200
Jun  5 10:10:36.204: dsp_set_playout_config: [2/1:0
(39)] packet_len=18
  channel_id=1 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
Jun  5 10:10:36.204: dsp_echo_canceler_control:
echo_cancel: 1
Jun  5 10:10:36.204: dsp_echo_canceler_control: [2/1:0
(39)] echo_cancel 1,
  disable_hpf 0, flags=0x0
Jun  5 10:10:36.204: dsp_echo_canceler_control: [2/1:0
(39)] packet_len=10
  channel_id=1 packet_id=66 flags=0x0
Jun  5 10:10:36.204: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0
Jun  5 10:10:36.204: dsp_set_gains: [2/1:0 (39)]
packet_len=12
  channel_id=1 packet_id=91 in_gain=0 out_gain=0
Jun  5 10:10:36.204: dsp_vad_enable: [2/1:0 (39)]
enable: packet_len=12
  channel_id=1 packet_id=78 thresh=-38
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_TSP_PROGRESS]
Jun  5 10:10:36.888: act_setup_pend_progress
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_CC_BRIDGE]
Jun  5 10:10:36.888: act_bridge
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_CC_CAPS_IND]
Jun  5 10:10:36.888: act_caps_ind
Jun  5 10:10:36.888: act_caps_ind: passthrough:
cap_modem_proto 0,
  cap_modem_codec 0, cap_modem_redundancy 0, payload 0
Jun  5 10:10:36.888: act_caps_ind:CC_CAP_ENCAP_FRF11
Encap 2, Vad 2,
  Codec 0x4, CodecBytes 30,
    FaxRate 2, FaxBytes 30, FaxNsf 0xAD0051
    Sub-channel 8, Bitmask 0x0
    SignalType 2, SeqNumStart 0x0
Jun  5 10:10:36.888: act_caps_ind: [ mode:0,init:60,
min:40, max:200]
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_CC_CAPS_ACK]
```

```
Jun  5 10:10:36.888: act_caps_ack
Jun  5 10:10:36.888: act_caps_ack: passthrough:
cap_modem_proto 0,
  cap_modem_codec 0, cap_modem_redundancy 0, payload 0
Jun  5 10:10:36.888: dsp_idle_mode: [2/1:0 (39)]
packet_len=8
  channel_id=1 packet_id=68
Jun  5 10:10:36.888: act_caps_ack: codec = 16, ret = 2

Jun  5 10:10:36.888: vtsp_timer: 94714681
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_NULL,
E_DSPRM_PEND_SUCCESS]
Jun  5 10:10:36.888: act_pend_codec_success
Jun  5 10:10:36.888: vtsp_timer_stop: 94714681
Jun  5 10:10:36.888: vtsp_open_voice_and_set_params
Jun  5 10:10:36.888: dsp_close_voice_channel: [2/1:0
(39)] packet_len=8
  channel_id=1 packet_id=75
Jun  5 10:10:36.888: dsp_open_voice_channel_20: [2/1:0
(39)] packet_len=16
  channel_id=1 packet_id=74 alaw_ulaw_select=0
  associated_signaling_channel=128 time_slot=0
  serial_port=0
Jun  5 10:10:36.888: dsp_encap_config: [2/1:0 (39)]
packet_len=18
  channel_id=1 packet_id=92 TransportProtocol 3
  SID_support=0
  sequence_number=0 rotate_flag=0 header_bytes 0x80
Jun  5 10:10:36.888: dsp_set_playout_delay
Jun  5 10:10:36.888: dsp_set_playout: [2/1:0 (39)]
packet_len=18
  channel_id=1 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
  dsp_set_playout_delay_config
Jun  5 10:10:36.888: dsp_set_playout_config
Jun  5 10:10:36.888: mode 0, init 60, min 40, max 200
playout default

Jun  5 10:10:36.888: dsp_set_playout_config:mode 0, init
60, min 40, max 200
Jun  5 10:10:36.888: dsp_set_playout_config: [2/1:0
(39)] packet_len=18
  channel_id=1 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
Jun  5 10:10:36.888: dsp_echo_canceler_control:
echo_cancel: 1
Jun  5 10:10:36.888: dsp_echo_canceler_control: [2/1:0
(39)] echo_cancel 1,
  disable_hpf 0, flags=0x0
Jun  5 10:10:36.888: dsp_echo_canceler_control: [2/1:0
(39)] packet_len=10
  channel_id=1 packet_id=66 flags=0x0
Jun  5 10:10:36.888: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0
Jun  5 10:10:36.888: dsp_set_gains: [2/1:0 (39)]
packet_len=12 channel_id=1
  packet_id=91 in_gain=0 out_gain=0
Jun  5 10:10:36.888: dsp_vad_enable: [2/1:0 (39)]
enable: packet_len=12
  channel_id=1 packet_id=78 thresh=-38
Jun  5 10:10:36.888: dsp_voice_mode: [2/1:0 (39)] cdb
620F01FC,
  cdb->codec_params.modem 0, inband_detect flags 0x1
Jun  5 10:10:36.888: map_dtmf_relay_type--digit relay
```

```
mode: 2
Jun  5 10:10:36.888: dsp_voice_mode: [2/1:0 (39)]
packet_len=24
  channel_id=1 packet_id=73 coding_type=19
voice_field_size=30 VAD_flag=250
  echo_length=64 comfort_noise=1
  inband_detect=1 digit_relay_mode=2 AGC_flag=0
Jun  5 10:10:43.024: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_TSP_CONNECT]
Jun  5 10:10:43.024: act_setup_pend_connect
Jun  5 10:10:43.024: vtsp_ring_noan_timer_stop: 94715294
Jun  5 10:10:43.024: dsp_cp_tone_off: [2/1:0 (39)]
packet_len=8
  channel_id=1 packet_id=71

Jun  5 10:10:48.492: vtsp_process_dsp_message:
  MSG_TX_TONE_DETECT: type=0 trigger=1 tone_id=0
Jun  5 10:10:48.492: vtsp:[2/1:0 (39), S_CONNECT,
E_DSP_TONE_DETECT]
Jun  5 10:10:48.492: vtsp_modem_proto_from_cdb:
cap_modem_proto 0
Jun  5 10:10:48.492: act_lfax_switch:
cap_modem_proto=16,
  fax_relay_on=1, state=19
  !--- sys/if/dsp_cntl_msgs.h * Definitions for the tone
detect !--- */ !--- #define TONE_TYPE_V_21 0x0000 !---
#define TONE_TYPE_CED 0x0001 !--- #define TONE_TYPE_CNG
0x0002 !--- #define TONE_SDT_DISC 0x0003 !--- #define
TONE_TYPE_COT 0x0004 !--- #define TONE_TYPE_MODEM 0x0005
!--- #define SILENCE_DETECTED 0x0006 !--- #define
VOICE_DETECTED 0x0007 !--- #define DUAL_TONE_DETECTED
0x0008 !--- #define SEQ_TONE_DETECTED 0x0009 !---
#define TONE_DETECT_ON 0x0001 !--- #define
TONE_DETECT_OFF ~TONE_DETECT_ Jun  5 10:10:48.492:
vtsp_timer: 94715841 Jun  5 10:10:48.492: vtsp:[2/1:0
(39), S_LFAX_WAIT_ACK, E_PH_CODEEC_ACK] Jun  5
10:10:48.492: act_lfax_download Jun  5 10:10:48.492:
vtsp_timer_stop: 94715841 Jun  5 10:10:48.492:
dsp_idle_mode: [2/1:0 (39)] packet_len=8 channel_id=1
packet_id=68 Jun  5 10:10:48.492: vtsp:[2/1:0 (39),
S_LFAX_DOWNLOAD, E_DSPRM_PEND_SUCCESS] Jun  5
10:10:48.492: act_lfax_mode Jun  5 10:10:48.492:
vtsp:[2/1:0 (39), S_LFAX_WAIT_FAX, E_PH_CODEEC_FAX] Jun  5
10:10:48.492: act_wait_fax_fax ph_set_codec_ack Jun  5
10:10:48.492: dsp_fax_mode: [2/1:0 (39)] FaxRate 0x2,
Codec 0x4 dsp_fax_mode() ECM_DISABLE not set, debug_info
not requested Jun  5 10:10:48.492: dsp_fax_mode: [2/1:0
(39)] packet_len=28 channel_id=1 packet_id=69
max_trans=3 info_size=30, fax_protocol_type=2,
hs_data_len=0, ls_data_red=0, hs_data_red=0,
tcf_handling=0, fax_relay_cntl=0x0 nsf_country = 0xAD,
nsf_mfg = 0x0051 vdt1-7200-2c# vdt1-7200-2c# vdt1-7200-
2c# Jun  5 10:11:21.736: vtsp_process_dsp_message:
MSG_TX_FAX_CLEARDOWN: Jun  5 10:11:21.740: vtsp:[2/1:0
(39), S_FAX, E_DSP_FAX_CLEARDOWN] Jun  5 10:11:21.740:
act_fax_to_voice Jun  5 10:11:21.740: vtsp_timer_stop:
94719166 Jun  5 10:11:21.740: dsp_idle_mode: [2/1:0 (39)]
packet_len=8 channel_id=1 packet_id=68 Jun  5
10:11:21.740: dsp_close_voice_channel: [2/1:0 (39)]
packet_len=8 channel_id=1 packet_id=75act_fax_to_voice
codec= 16 Jun  5 10:11:21.740: vtsp_timer: 94719166 Jun  5
10:11:21.740: vtsp:[2/1:0 (39), S_FAX_TERM,
E_DSPRM_PEND_SUCCESS] Jun  5 10:11:21.740:
vtsp_timer_stop: 94719166 Jun  5 10:11:21.740:
```

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act_fax_complete Jun 5 10:11:21.740:
vtsp_open_voice_and_set_params Jun 5 10:11:21.740:
dsp_close_voice_channel: [2/1:0 (39)] packet_len=8
channel_id=1 packet_id=75 Jun 5 10:11:21.740:
dsp_open_voice_channel_20: [2/1:0 (39)] packet_len=16
channel_id=1 packet_id=74 alaw_ulaw_select=0
associated_signaling_channel=128 time_slot=0
serial_port=0 Jun 5 10:11:21.740: dsp_encap_config:
[2/1:0 (39)] packet_len=18 channel_id=1 packet_id=92
TransportProtocol 3 SID_support=0 sequence_number=0
rotate_flag=0 header_bytes 0x80 Jun 5 10:11:21.740:
dsp_set_playout_delay Jun 5 10:11:21.740:
dsp_set_playout: [2/1:0 (39)] packet_len=18 channel_id=1
packet_id=76 mode=1 initial=60 min=40 max=200
fax_nom=300 dsp_set_playout_delay_config Jun 5
10:11:21.740: dsp_set_playout_config Jun 5 10:11:21.740:
mode 0, init 60, min 40, max 200 playout default Jun 5
10:11:21.740: dsp_set_playout_config:mode 0, init 60,
min 40, max 200 Jun 5 10:11:21.740:
dsp_set_playout_config: [2/1:0 (39)] packet_len=18
channel_id=1 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300 Jun 5 10:11:21.740:
dsp_echo_canceler_control: echo_cancel: 1 Jun 5
10:11:21.740: dsp_echo_canceler_control: [2/1:0 (39)]
echo_cancel 1, disable_hpf 0, flags=0x0 Jun 5
10:11:21.740: dsp_echo_canceler_control: [2/1:0 (39)]
packet_len=10 channel_id=1 packet_id=66 flags=0x0 Jun 5
10:11:21.740: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0 Jun 5 10:11:21.740:
dsp_set_gains: [2/1:0 (39)] packet_len=12 channel_id=1
packet_id=91 in_gain=0 out_gain=0 Jun 5 10:11:21.740:
dsp_vad_enable: [2/1:0 (39)] enable: packet_len=12
channel_id=1 packet_id=78 thresh=-38 Jun 5 10:11:21.740:
dsp_voice_mode: [2/1:0 (39)] cdb 620F01FC, cdb-
>codec_params.modem 0, inband_detect flags 0x1 Jun 5
10:11:21.740: map_dtmf_relay_type--digit relay mode: 2
Jun 5 10:11:21.740: dsp_voice_mode: [2/1:0 (39)]
packet_len=24 channel_id=1 packet_id=73 coding_type=19
voice_field_size=30 VAD_flag=250 echo_length=64
comfort_noise=1 inband_detect=1 digit_relay_mode=2
AGC_flag=0 Jun 5 10:11:24.036: vtsp:[2/1:0 (39),
S_CONNECT, E_CC_BRIDGE_DROP] Jun 5 10:11:24.036:
act_bdrop Jun 5 10:11:24.036: vtsp:[2/1:0 (39),
S_CONNECT, E_CC_DISCONNECT] Jun 5 10:11:24.036:
act_disconnect Jun 5 10:11:24.036:
vtsp_ring_noan_timer_stop: 94719396 Jun 5 10:11:24.036:
vtsp_pcm_tone_detect_timer_stop: 94719396 Jun 5
10:11:24.036: vtsp_pcm_switchover_timer_stop: 94719396
Jun 5 10:11:24.036: vtsp_cot_timer_stop: 94719396 Jun 5
10:11:24.036: vtsp_timer_stop: 94719396 Jun 5
10:11:24.036: vtsp_timer: 94719396 Jun 5 10:11:24.036:
vtsp:[2/1:0 (39), S_WAIT_STATS, E_DSP_GET_ERROR] Jun 5
10:11:24.036: act_get_error Jun 5 10:11:24.036: 2/1:0
(39): rx_dropped=1 tx_dropped=0 rx_control=39
tx_control=5 tx_control_dropped=0 dsp_mode_channel_1=2
dsp_mode_channel_2=0 c[0]=0 c[1]=0 c[2]=73 c[3]=71
c[4]=68 c[5]=69 c[6]=68 c[7]=75 c[8]=75 c[9]=74 c[10]=92
c[11]=76 c[12]=76 c[13]=66 c[14]=91 c[15]=78 Jun 5
10:11:24.036: dsp_get_levels: [2/1:0 (39)] packet_len=8
channel_id=1 packet_id=89 Jun 5 10:11:24.036:
vtsp:[2/1:0 (39), S_WAIT_STATS, E_DSP_GET_LEVELS] Jun 5
10:11:24.036: act_get_levels Jun 5 10:11:24.040:
vtsp_process_dsp_message: MSG_TX_GET_TX_STAT:
rtp_timestamp=0x94D00079 Jun 5 10:11:24.040: vtsp:[2/1:0
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(39), S_WAIT_STATS, E_DSP_GET_TX] Jun 5 10:11:24.040:
act_stats_complete Jun 5 10:11:24.040: vtsp_timer_stop:
94719396 Jun 5 10:11:24.040: vtsp_ring_noan_timer_stop:
94719396 Jun 5 10:11:24.040: dsp_idle_mode: [2/1:0 (39)]
packet_len=8 channel_id=1 packet_id=68 Jun 5
10:11:24.040: vtsp_timer: 94719396 Jun 5 10:11:24.840:
vtsp:[2/1:0 (39), S_WAIT_RELEASE,
E_TSP_CALL_FEATURE_IND] Jun 5 10:11:24.840:
act_call_feature_ind Jun 5 10:11:24.840: vtsp:[2/1:0
(39), S_WAIT_RELEASE, E_TSP_DISCONNECT_CONF] Jun 5
10:11:24.840: act_wrelease_release Jun 5 10:11:24.840:
vtsp_timer_stop: 94719476 Jun 5 10:11:24.840:
dsp_cp_tone_off: [2/1:0 (39)] packet_len=8 channel_id=1
packet_id=71 Jun 5 10:11:24.840: dsp_idle_mode: [2/1:0
(39)] packet_len=8 channel_id=1 packet_id=68 Jun 5
10:11:24.840: dsp_close_voice_channel: [2/1:0 (39)]
packet_len=8 channel_id=1
packet_id=75vtsp_do_call_historyvtsp_do_call_history
CoderRate 20 Jun 5 10:11:24.840: vtsp:[2/1:0 (39),
S_CLOSE_DSPRM, E_DSPRM_CLOSE_COMPLETE] Jun 5
10:11:24.840: act_terminate Jun 5 10:11:24.840:
vtsp_free_cdb,cdb 0x620F01FC
```

## [Informações Relacionadas](#)

- [Voz - Configurando cax Relay com VoIP \(T.38\)](#)
- [Suporte à Tecnologia de Voz](#)
- [Suporte ao Produto de Voz e Comunicações Unificadas](#)
- [Troubleshooting da Telefonia IP Cisco](#)
- [Suporte Técnico - Cisco Systems](#)