

# T.37 OffRamp Faxing

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## [Introducción](#)

Esta sección del documento principal [Fax sobre IP T.37 Almacenamiento y Reenvío de Fax](#) se centra en el envío de fax OffRamp store-and-forward. OffRamp T.37 es el proceso mediante el cual un gateway acepta un correo electrónico, lo convierte en un fax y luego lo envía a través de un puerto de voz.

Este documento contiene la configuración necesaria para que la función funcione. La sección [Solución de problemas](#) pasa por los útiles comandos **debug** y cómo interpretar su significado. La topología utilizada se muestra en la sección [Diagrama de red](#).

## [Prerequisites](#)

### [Requirements](#)

Los requisitos específicos para este documento se especifican en la sección principal, [Fax sobre IP T.37 Almacenamiento y Reenvío de Fax](#).

### [Componentes Utilizados](#)

Este documento no tiene restricciones específicas en cuanto a versiones de software y de hardware.

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. If your network is

live, make sure that you understand the potential impact of any command.

## Convenciones

For more information on document conventions, refer to the [Cisco Technical Tips Conventions](#).

## Configuración

En las secciones siguientes, primero se explican los parámetros de configuración del Cisco IOS® Software relevantes para la configuración del fax OffRamp y luego se muestra la configuración 5300 con notas adicionales que aclaran las funciones de los comandos importantes.

## Diagrama de la red

Este documento utiliza la instalación de red que se muestra en el siguiente diagrama.



## Parámetros de configuración

A continuación se muestran los comandos comunes utilizados en la configuración OffRamp del gateway:

Parámetros obligatorios:	
<a href="#">fax interface-type fax-mail</a>	Habilita la funcionalidad T.37 para el gateway. Requiere un reinicio en el 5300, pero no en el 5350 o 5400.
<a href="#">mta receive aliases</a>	Define un nombre de host que se utilizará como alias para el gateway OffRamp. Se pueden definir hasta diez. El gateway acepta correo entrante si el nombre de host de destino del correo entrante coincide con un alias.
<a href="#">mta receive maximum-recipients</a>	Define el número máximo de destinatarios simultáneos del protocolo simple de transferencia de correo (SMTP) que gestiona esta puerta de enlace.
<a href="#">dial-peer voice number mmoip application offramp</a>	El comando <b>application offramp</b> hace referencia al comando <b>call application voice name</b> . El <i>nombre</i> coincide con offramp. El comando <b>incoming called-number</b> se utiliza para hacer coincidir este par de correo multimedia sobre IP (MoIP) entrante. El

<a href="#">incoming called-number information-type fax</a>	comando <b>information-type fax</b> identifica las llamadas asociadas a este par como transmisiones de fax.
<a href="#">ubicación del nombre de voz de la aplicación de llamada</a>	Define un nombre global para la aplicación (offramp, en este caso) y su ubicación (en un servidor TFTP externo, en este caso).
Parámetros optativos:	
<a href="#">fax send transmit-subscriber</a>	Define la identificación del suscriptor transmisor (ETI).
<a href="#">fax send center-header fax send left-header fax send right-header</a>	Las opciones son: { <b>\$a\$</b>   <b>\$d\$</b>   <b>\$p\$</b>   <b>\$s</b>   <b>\$t\$</b>   string} <ul style="list-style-type: none"> <li>• <b>\$a\$</b>—Fecha</li> <li>• <b>\$d\$</b>: dirección de destino</li> <li>• <b>\$s\$</b>—Dirección del remitente</li> <li>• <b>\$p\$</b>—Recuento de páginas</li> <li>• <b>\$t\$</b>: tiempo de transmisión</li> </ul> Utilice el argumento <i>string</i> en este comando para insertar una cadena de texto personalizada.
<a href="#">fax send coverage</a>	Las opciones son: <ul style="list-style-type: none"> <li>• <b>enable</b> : habilita el gateway OffRamp para enviar una hoja de portada.</li> <li>• <b>comentario</b> : añade comentarios personalizados a la portada.</li> <li>• <b>show-detail</b> : imprime el encabezado completo del correo electrónico como parte de la portada.</li> </ul>
<a href="#">mta receive generate-mdn</a>	Habilita el gateway OffRamp para responder a las solicitudes de notificación de disposición de mensajes (MDN).

## [Configuración OffRamp](#)

Se enviaron correos electrónicos de Outlook Express al gateway OffRamp (vdtl-5350-8a) y se enviaron a varios destinos.

```
vdtl-5350-8a# show run
Building configuration...
```

```
Current configuration : 6415 bytes
!
!
version 12.2
```

```
service timestamps debug datetime msec localtime
service timestamps log datetime msec localtime
no service password-encryption
!
hostname vdtl-5350-8a
!
boot system flash c5350-is-mz.122-7.6.T1
enable secret 5 $1$MmyY$IQ3OW1Yfd9xjOJj5lYaC7.
!
!
resource-pool disable
clock timezone EST -5
!
!
ip subnet-zero
ip cef
ip domain-name testlab-t37.com
ip name-server 172.18.106.36
!
isdn switch-type primary-5ess
!
!
fax send transmitting-subscriber $$
fax send left-header $t$
fax send center-header $$
fax send right-header $p$
fax send coverpage enable
fax send coverpage show-detail
fax send coverpage comment vdtl-5350-8a Offramp Cover Page
fax interface-type fax-mail
mta receive aliases vdtl-5350-8a.testlab-t37.com
mta receive aliases 15.80.8.107
mta receive maximum-recipients 100
call-history-mib retain-timer 500
call-history-mib max-size 500
!
controller T1 3/0
framing esf
linecode b8zs
pri-group timeslots 1-24
!
!
interface FastEthernet0/0
ip address 15.80.8.107 255.255.255.0
!
interface Serial3/0:23
no ip address
isdn switch-type primary-5ess
isdn incoming-voice modem
!
interface Async1/00
no ip address
!
interface Async1/107
no ip address
!
interface Group-Async0
no ip address
no group-range
!
ip classless
ip route 0.0.0.0 0.0.0.0 15.80.8.1
no ip http server
ip pim bidir-enable
```

```

!
!
call rsvp-sync
!
call application voice offramp tftp://172.18.106.10/fax/offramp/app_libretto_offramp.2.0.1.1.tcl
!
voice-port 3/0:D
!
!
mgcp profile default
!
dial-peer voice 9813182 pots
incoming called-number 9813182
destination-pattern 9[2-9].....
direct-inward-dial
port 3/0:D
forward-digits all
!
dial-peer voice 1 mmoip
application offramp
incoming called-number 9.....
information-type fax
!
!
line con 0
exec-timeout 0 0
line aux 0
line vty 0 4
password ww
login
line 1/00 1/107
no flush-at-activation
modem InOut
!
scheduler allocate 10000 400
ntp clock-period 17179848
ntp server 172.18.106.15
end

vdt1-5350-8a#

```

## Troubleshoot

Este documento es una continuación de [T.37 OnRamp Faxing](#). La mayoría de las referencias de comandos enumeradas en ese documento también se utilizan para el envío de faxes OffRamp. Consulte ese documento para obtener más información.

## Depuraciones fallidas

Estos son los registros de salida del comando **debug** de una llamada de fax fallida. Este comando **debug** se ejecutó en un gateway Cisco 5350, que actúa como gateway de fax OffRamp para la red en este ejemplo.

```

vdt1-5350-8a# debug mta receive all
All email receive debugging is on
vdt1-5350-8a#
Mar 26 12:15:02.372: esmtp_server_work: calling ehlo
Mar 26 12:15:02.780: esmtp_server_work: calling mail

```

Mar 26 12:15:03.280: esmtp\_server\_work: calling rcpt  
Mar 26 12:15:03.780: esmtp\_server\_work: calling data  
Mar 26 12:15:04.280: (S)R: 'Received: from andyw2k ([172.18.106.183]) by  
vnt-smtp.testlab-t37.com with Microsoft SMTPSVC(5.0.2195.4453);'  
Mar 26 12:15:04.280: (S)R: ' Tue, 26 Mar 2002 12:13:50 -0500'  
Mar 26 12:15:04.280: (S)R: 'Message-ID: <000301c1d4e9\$c3a937c0\$b76a12ac@amer.cisco.com>'  
Mar 26 12:15:04.280: (S)R: 'From: "Andy" <andy@testlab-t37.com>'  
Mar 26 12:15:04.280: (S)R: 'To: <FAX=98915510@vdtl-5350-8a.testlab-t37.com>'  
Mar 26 12:15:04.280: (S)R: 'Subject: test email with WinFax Pro...'  
Mar 26 12:15:04.284: (S)R: 'MIME-Version: 1.0'  
Mar 26 12:15:04.284: (S)R: 'Content-Type: multipart/mixed;'  
Mar 26 12:15:04.284: (S)R: '  
boundary="/en/US/docs/net\_mgmt/wan\_service\_administrator/1.1/administrator/guide/getstart.html=\_  
NextPart\_000\_0000\_01C1D4BF.DABAC5C0" '  
Mar 26 12:15:04.284: (S)R: 'X-Mailer: Microsoft Outlook Express 6.00.2600.0000'  
Mar 26 12:15:04.284: (S)R: 'X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000'  
Mar 26 12:15:04.284: (S)R: 'Return-Path: andy@testlab-t37.com'  
Mar 26 12:15:04.284: (S)R: 'X-OriginalArrivalTime: 26 Mar 2002 17:13:50.0153 (UTC)  
FILETIME=[98F1B390:01C1D4E9] '  
Mar 26 12:15:04.284: (S)R: 'Date: 26 Mar 2002 12:13:50 -0500'  
Mar 26 12:15:04.284: (S)R: ''  
Mar 26 12:15:04.284: esmtp\_server\_engine\_new\_part: Field name : message-id:  
Field Value : <000301c1d4e9\$c3a937c0\$b76a12ac@amer.cisco.com>  
Field name : from: Field Value : "Andy" <andy@testlab-t37.com>  
Field name : to: Field Value : <FAX=98915510@vdtl-5350-8a.testlab-t37.com>  
Field name : subject: Field Value : test email with WinFax Pro...  
Field name : Content-Type: Field Value : multipart/mixed;  
  
boundary="/en/US/docs/net\_mgmt/wan\_service\_administrator/1.1/administrator/guide/getstart.html=\_  
NextPart\_000\_0000\_01C1D4BF.DABAC5C0"  
Field name : date: Field Value : 26 Mar 2002 12:13:50 -0500  
  
Mar 26 12:15:04.284: (S)R: 'Content-Type: text/plain;'  
Mar 26 12:15:04.284: (S)R: ' charset="iso-8859-1" '  
Mar 26 12:15:04.284: (S)R: 'Content-Transfer-Encoding: quoted-printable'  
Mar 26 12:15:04.284: (S)R: ''  
Mar 26 12:15:04.284: esmtp\_server\_engine\_new\_part: Field name : Content-Type:  
Field Value : text/plain; charset="iso-8859-1"  
Field name : Content-Transfer-Encoding: Field Value : quoted-printable  
  
Mar 26 12:15:04.284: esmtp\_server\_work: freeing temp header  
Mar 26 12:15:04.284: (S)R: 'Content-Type: application/x-msdownload;'  
Mar 26 12:15:04.284: (S)R: ' name="FAX2B.exe" '  
Mar 26 12:15:04.284: (S)R: 'Content-Transfer-Encoding: base64'  
Mar 26 12:15:04.284: (S)R: 'Content-Disposition: attachment;'  
Mar 26 12:15:04.284: (S)R: ' filename="FAX2B.exe" '  
Mar 26 12:15:04.284: (S)R: ''  
Mar 26 12:15:04.284: esmtp\_server\_engine\_new\_part: Field name : Content-Type:  
Field Value : application/x-msdownload; name="FAX2B.exe"  
Field name : Content-Transfer-Encoding: Field Value : base64  
  
Mar 26 12:15:04.284: esmtp\_server\_work: freeing temp header  
Mar 26 12:15:04.288: esmtp\_server\_work: Unrecognized/handled MIME content  
type rejected  
Mar 26 12:15:04.600: (S)R: ''  
Mar 26 12:15:04.600: esmtp\_server\_engine\_new\_part:  
Mar 26 12:15:04.600: esmtp\_server\_work: freeing temp header  
Mar 26 12:15:04.600: esmtp\_server\_dot\_check: Found the terminating Dot!  
Mar 26 12:15:04.600: rejectMessage:  
Mar 26 12:15:22.052: esmtp\_server\_engine\_update\_recipient\_status: status=7  
Mar 26 12:16:09.156: esmtp\_server\_engine\_get\_statistics: ctx=0x6363AA38,  
smtpStatus=14  
Mar 26 12:16:09.156: esmtp\_server\_engine\_update\_recipient\_status: status=24

```
Mar 26 12:16:19.600: esmtp_server_engine_generate_notification:
Mar 26 12:16:20.264: esmtp_server_work: calling quit
Mar 26 12:16:20.264: esmtp_server_closesocket: esmtp_server: closing socket 1
Mar 26 12:16:20.264: esmtp_server_engine_clear_state:
Mar 26 12:16:20.264: freeing RECIPIENT context
(envelope=FAX=98915510@vdtl-5350-8a.testlab-t37.com)
Mar 26 12:16:20.264: esmtp_server_work: Freeing SMTP ctx at 0x6363AA38
Mar 26 12:16:20.264: esmtp_server: returned from work, context freed
vdtl-5350-8a#
```

## Depuraciones en funcionamiento

Estos son los registros de salida del comando **debug** de una llamada de fax exitosa. Los comandos **debug** se volvieron a ejecutar en un gateway Cisco 5350, que es el gateway de fax OffRamp en este ejemplo.

```
vdtl-5350-8a# debug mta receive all
All email receive debugging is on
vdtl-5350-8a#
Mar 26 11:20:17.231: esmtp_server_work: calling ehlo
Mar 26 11:20:17.683: esmtp_server_work: calling mail
Mar 26 11:20:18.183: esmtp_server_work: calling rcpt
Mar 26 11:20:18.683: esmtp_server_work: calling data
Mar 26 11:20:19.183: (S)R: 'Received: from andyw2k ([172.18.106.183]) by
vnt-smtp.testlab-t37.com with Microsoft SMTPSVC(5.0.2195.4453);'
Mar 26 11:20:19.187: (S)R: ' Tue, 26 Mar 2002 11:19:05 -0500'
Mar 26 11:20:19.187: (S)R: 'Message-ID: <000901c1d4e2$1d55bc60$b76a12ac@amer.cisco.com>'
Mar 26 11:20:19.187: (S)R: 'Reply-To: "Andy" <andy@testlab-t37.com>'
Mar 26 11:20:19.187: (S)R: 'From: "Andy" <andy@testlab-t37.com>'
Mar 26 11:20:19.187: (S)R: 'To: <FAX=98915510@vdtl-5350-8a.testlab-t37.com>'
Mar 26 11:20:19.187: (S)R: 'Subject: Test fax '
Mar 26 11:20:19.187: (S)R: 'Date: Tue, 26 Mar 2002 11:20:16 -0500'
Mar 26 11:20:19.187: (S)R: 'MIME-Version: 1.0'
Mar 26 11:20:19.187: (S)R: 'Content-Type: multipart/mixed;'
Mar 26 11:20:19.187: (S)R: '
boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_000_0005_01C1D4B8.34737F60"'
Mar 26 11:20:19.187: (S)R: 'X-Priority: 3'
Mar 26 11:20:19.187: (S)R: 'X-MSMail-Priority: Normal'
Mar 26 11:20:19.187: (S)R: 'X-Mailer: Microsoft Outlook Express 6.00.2600.0000'
Mar 26 11:20:19.187: (S)R: 'X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000'
Mar 26 11:20:19.187: (S)R: 'Return-Path: andy@testlab-t37.com'
Mar 26 11:20:19.187: (S)R: 'X-OriginalArrivalTime: 26 Mar 2002 16:19:05.0120 (UTC)
FILETIME=[F2E97200:01C1D4E1]'
Mar 26 11:20:19.187: (S)R: ''
Mar 26 11:20:19.187: esmtp_server_engine_new_part: Field name : message-id:
Field Value : <000901c1d4e2$1d55bc60$b76a12ac@amer.cisco.com>
Field name : from: Field Value : "Andy" <andy@testlab-t37.com>
Field name : to: Field Value : <FAX=98915510@vdtl-5350-8a.testlab-t37.com>
Field name : subject: Field Value : Test fax
Field name : date: Field Value : Tue, 26 Mar 2002 11:20:16 -0500
Field name : Content-Type: Field Value : multipart/mixed;

boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_000_0005_01C1D4B8.34737F60"

Mar 26 11:20:19.187: (S)R: 'Content-Type: multipart/alternative;'
Mar 26 11:20:19.187: (S)R: '
boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_001_0006_01C1D4B8.34737F60"'
Mar 26 11:20:19.187: (S)R: ''
```

Mar 26 11:20:19.187: esmtp\_server\_engine\_new\_part: Field name : Content-Type:  
Field Value : multipart/alternative;  
boundary="/en/US/docs/net\_mgmt/wan\_service\_administrator/1.1/administrator/guide/getstart.html=\_  
NextPart\_001\_0006\_01C1D4B8.34737F60"

Mar 26 11:20:19.191: esmtp\_server\_work: freeing temp header  
Mar 26 11:20:19.191: (S)R: 'Content-Type: text/plain;'  
Mar 26 11:20:19.191: (S)R: ' charset="iso-8859-1" '  
Mar 26 11:20:19.191: (S)R: 'Content-Transfer-Encoding: quoted-printable'  
Mar 26 11:20:19.191: (S)R: ''  
Mar 26 11:20:19.191: esmtp\_server\_engine\_new\_part: Field name : Content-Type:  
Field Value : text/plain; charset="iso-8859-1"  
Field name : Content-Transfer-Encoding: Field Value : quoted-printable

Mar 26 11:20:19.191: esmtp\_server\_work: freeing temp header  
Mar 26 11:20:19.191: (S)R: 'Content-Type: text/html;'  
Mar 26 11:20:19.191: (S)R: ' charset="iso-8859-1" '  
Mar 26 11:20:19.191: (S)R: 'Content-Transfer-Encoding: quoted-printable'  
Mar 26 11:20:19.191: (S)R: ''  
Mar 26 11:20:19.191: esmtp\_server\_engine\_new\_part: Field name : Content-Type:  
Field Value : text/html; charset="iso-8859-1"  
Field name : Content-Transfer-Encoding: Field Value : quoted-printable

Mar 26 11:20:19.191: esmtp\_server\_work: freeing temp header  
Mar 26 11:20:19.191: (S)R: ''  
Mar 26 11:20:19.191: esmtp\_server\_engine\_new\_part:  
Mar 26 11:20:19.191: esmtp\_server\_work: freeing temp header  
Mar 26 11:20:19.191: (S)R: 'Content-Type: text/plain;'  
Mar 26 11:20:19.191: (S)R: ' name="New Text Document.txt" '  
Mar 26 11:20:19.191: (S)R: 'Content-Transfer-Encoding: quoted-printable'  
Mar 26 11:20:19.191: (S)R: 'Content-Disposition: attachment;'  
Mar 26 11:20:19.191: (S)R: ' filename="New Text Document.txt" '  
Mar 26 11:20:19.191: (S)R: ''  
Mar 26 11:20:19.191: esmtp\_server\_engine\_new\_part: Field name : Content-Type:  
Field Value : text/plain; name="New Text Document.txt"  
Field name : Content-Transfer-Encoding: Field Value : quoted-printable

Mar 26 11:20:19.191: esmtp\_server\_work: freeing temp header  
Mar 26 11:20:19.195: esmtp\_server\_engine\_update\_recipient\_status: status=6  
Mar 26 11:20:36.295: esmtp\_server\_engine\_update\_recipient\_status: status=7  
Mar 26 11:20:36.347: esmtp\_server\_engine\_update\_recipient\_status: status=6  
Mar 26 11:21:19.975: esmtp\_server\_engine\_update\_recipient\_status: status=7  
Mar 26 11:21:34.195: (S)R: ''  
Mar 26 11:21:34.195: esmtp\_server\_engine\_new\_part:  
Mar 26 11:21:34.195: esmtp\_server\_work: freeing temp header  
Mar 26 11:21:34.195: esmtp\_server\_dot\_check: Found the terminating Dot!  
Mar 26 11:21:34.275: esmtp\_server\_engine\_update\_recipient\_status: status=6  
Mar 26 11:22:40.491: esmtp\_server\_engine\_update\_recipient\_status: status=7  
Mar 26 11:22:58.379: esmtp\_server\_engine\_get\_statistics: ctx=0x63624708, smtpStatus=14  
Mar 26 11:22:58.379: esmtp\_server\_engine\_update\_recipient\_status: status=24  
Mar 26 11:23:04.195: esmtp\_server\_engine\_generate\_notification:  
Mar 26 11:23:04.699: esmtp\_server\_work: calling quit  
Mar 26 11:23:04.699: esmtp\_server\_closesocket: esmtp\_server: closing socket 1  
Mar 26 11:23:04.699: esmtp\_server\_engine\_clear\_state:  
Mar 26 11:23:04.699: freeing RECIPIENT context  
(envelope=FAX=98915510@vdtl-5350-8a.testlab-t37.com)  
Mar 26 11:23:04.699: esmtp\_server\_work: Freeing SMTP ctx at 0x63624708  
Mar 26 11:23:04.699: esmtp\_server: returned from work, context freed  
vdtl-5350-8a#

vdtl-5350-8a# **debug foip off-ramp**  
FOIP Off ramp faxmail debugging is on  
vdtl-5350-8a#



vdtl-5350-8a#  
vdtl-5350-8a#  
Mar 26 11:27:57.667: lapp off: CC\_EV\_CALL\_HANDOFF, cid(0xA7)  
Mar 26 11:27:57.667: loffHandoff: called number=98915510, callid=0xA7  
Mar 26 11:27:57.667: loffSetupPeer: cid1(0xA7)  
Mar 26 11:27:57.667: destPat(98915510),matched(1),pref(),tag(9913182),encap(1)  
Mar 26 11:27:57.759: lapp off: CC\_EV\_CALL\_PROCEEDING, cid(0xA8)  
Mar 26 11:27:57.875: lapp off: CC\_EV\_CALL\_ALERT, cid(0xA8)  
Mar 26 11:28:07.487: lapp off: CC\_EV\_CALL\_CONNECTED, cid(0xA8)  
Mar 26 11:28:07.487: st=CALL\_SETTING cid(0xA7,0x0,0x0,0xA8),cfid(0x0,0x0,0x0)  
Mar 26 11:28:07.487: loffConnected  
Mar 26 11:28:07.487: loffFlushPeerTagQueue cid(167) peer list: (empty)  
Mar 26 11:28:07.487: lapp off: CC\_EV\_CONF\_CREATE\_DONE, cid(0xA8), cid2(0xA9), cfid(0x5F)  
Mar 26 11:28:07.487: st=CONFERENCING3 cid(0xA7,0x0,0xA9,0xA8),cfid(0x0,0x0,0x5F)  
Mar 26 11:28:07.487: loffConfDone3  
Mar 26 11:28:15.419: lapp off: CC\_EV\_FROM\_FMSP\_ON\_CALL\_DETAIL, cid(0xA9)  
Mar 26 11:28:15.419: st=WAIT\_SESS\_INFO cid(0xA7,0x0,0xA9,0xA8),cfid(0x0,0x0,0x5F)  
Mar 26 11:28:15.419: loffSessionInfo  
Mar 26 11:28:15.419: encd=1, resl=2, spd=27, min\_scan\_len=0, csid= andy-pc fax  
Mar 26 11:28:15.419: lapp off: CC\_EV\_CONF\_CREATE\_DONE, cid(0xA9), cid2(0xAA), cfid(0x60)  
Mar 26 11:28:15.419: st=CONFERENCING2 cid(0xA7,0xAA,0xA9,0xA8),cfid(0x0,0x60,0x5F)  
Mar 26 11:28:15.419: loffConfDone2  
Mar 26 11:28:15.419: loff\_edit\_cover\_page: from\_personal\_name: 0, []  
Mar 26 11:28:15.419: loff\_edit\_cover\_page: 0, []  
Mar 26 11:28:15.419: loff\_edit\_cover\_page: [andy@testlab-t37.com]

-----  
Title: vdtl-5350-8a Offramp Cover Page

To: 98915510

From: andy@testlab-t37.com

Date: Tue, 26 Mar 2002 11:27:55 -0500

Subject: test with a word doc attachment...

Details:

Received: from andyw2k ([172.18.106.183]) by vnt-smtp.testlab-t37.com with Microsoft SMTPSVC(5.0.2195.44 Message-ID: <001301c1d4e3\$2f020210\$b76a12ac@amer.cisco.com>

Reply-To: "Andy" <andy@testlab-t37.com>

From:

Andy" <andy@testlab-t37.com>

To: <FAX=98915510@vdtl-5350-8a.testlab-t37.com>

Subject: test with a word doc attachment...

Date: Tue, 26 Mar 2002 11:27:55 -0500

MIME-Version: 1.0

Content-Type: multipart/mixed; boundary

"-----\_NextPart\_000\_000F\_01C1D4B9.46214BB0"

X-Priority: 3

X-MSMail-Priority: Normal

X-Mailer: Microsoft Outlook Express 6.00.2600.0000

X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000

Return-Path: andy@testlab-t37.com

X-OriginalArrivalTime: 26 Mar 2002 16:26:43.0619 (UTC) FILETIME=[0432D730:01C1D4E3]

-----  
Mar 26 11:28:15.419: lapp off: CC\_EV\_CONF\_CREATE\_DONE, cid(0xAA), cid2(0xA7),  
cfid(0x61)  
Mar 26 11:28:15.419: st=CONFERENCING1 cid(0xA7,0xAA,0xA9,0xA8),cfid(0x61,0x60,0x5F)  
Mar 26 11:28:15.419: loffConfDone1  
Mar 26 11:28:15.451: lapp off: CC\_EV\_FROM\_DMSP\_ON\_PAGE\_PROCESSED, cid(0xAA):

page number (0x1)  
Mar 26 11:28:15.451: lapp off: CC\_EV\_GENERATE\_PAGE\_RSP, cid(0xAA)  
Mar 26 11:28:15.451: lapp off: CC\_EV\_FROM\_DMSP\_ON\_PAGE\_PROCESSED, cid(0xAA):  
page number (0x2)  
Mar 26 11:28:51.875: lapp off: CC\_EV\_CALL\_DISCONNECTED, cid(0xA9)  
Mar 26 11:28:51.875: cause 0x10(normal call clearing (16))  
Mar 26 11:28:51.875: st=CONFERENCED cid(0xA7,0xAA,0xA9,0xA8),cfid(0x61,0x60,0x5F)  
Mar 26 11:28:51.875: loffDisconnected  
Mar 26 11:28:51.875: loffSetDiscCause: cause=normal call clearing (16)  
Mar 26 11:28:51.875: loffRemoveConf  
Mar 26 11:28:51.875: lapp off: CC\_EV\_CONF\_DESTROY\_DONE, cid(0xAA), cid2(0xA7),  
cfid(0x61)  
Mar 26 11:28:51.875: st=CONF\_REMOVING cid(0xA7,0xAA,0xA9,0xA8),cfid(0x61,0x60,0x5F)  
Mar 26 11:28:51.875: loffConfRemoving: cfid=0x61, cnt=3  
Mar 26 11:28:51.875: lapp off: CC\_EV\_CONF\_DESTROY\_DONE, cid(0xA9), cid2(0xAA),  
cfid(0x60)  
Mar 26 11:28:51.879: st=CONF\_REMOVING cid(0xA7,0xAA,0xA9,0xA8),cfid(0x0,0x60,0x5F)  
Mar 26 11:28:51.879: loffConfRemoving: cfid=0x60, cnt=2  
Mar 26 11:28:51.879: lapp off: CC\_EV\_CONF\_DESTROY\_DONE, cid(0xA8), cid2(0xA9),  
cfid(0x5F)  
Mar 26 11:28:51.879: st=CONF\_REMOVING cid(0xA7,0xAA,0xA9,0xA8),cfid(0x0,0x0,0x5F)  
Mar 26 11:28:51.879: loffConfRemoving: cfid=0x5F, cnt=1  
Mar 26 11:28:51.879: loffDisconnect4 cid=0xA8  
Mar 26 11:28:54.363: loff\_call\_history: cid=0xA8,(0xA7,0xAA,0xA9,0xA8)  
Mar 26 11:28:54.363: lapp off: CC\_EV\_CALL\_DISCONNECT\_DONE, cid(0xA8)  
Mar 26 11:28:54.363: st=WAIT\_DISC\_DONE4 cid(0xA7,0xAA,0xA9,0xA8),cfid(0x0,0x0,0x0)  
Mar 26 11:28:54.363: loffWaitDiscDone4  
Mar 26 11:28:54.363: loff\_call\_history: cid=0xA9,(0xA7,0xAA,0xA9,0x0)  
Mar 26 11:28:54.363: lapp off: CC\_EV\_CALL\_DISCONNECT\_DONE, cid(0xA9)  
Mar 26 11:28:54.363: st=DISCONNECTING cid(0xA7,0xAA,0xA9,0x0),cfid(0x0,0x0,0x0)  
Mar 26 11:28:54.363: loffDisconnecting  
Mar 26 11:28:54.363: loff\_call\_history: cid=0xAA,(0xA7,0xAA,0x0,0x0)  
Mar 26 11:28:54.363: lapp off: CC\_EV\_CALL\_DISCONNECT\_DONE, cid(0xAA)  
Mar 26 11:28:54.363: st=DISCONNECTING cid(0xA7,0xAA,0x0,0x0),cfid(0x0,0x0,0x0)  
Mar 26 11:28:54.363: loffDisconnecting  
Mar 26 11:28:54.363: loff\_call\_history: cid=0xA7,(0xA7,0x0,0x0,0x0)  
Mar 26 11:28:54.363: lapp off: CC\_EV\_CALL\_DISCONNECT\_DONE, cid(0xA7)  
Mar 26 11:28:54.363: st=DISCONNECTING cid(0xA7,0x0,0x0,0x0),cfid(0x0,0x0,0x0)  
Mar 26 11:28:54.363: loffDisconnecting  
Mar 26 11:28:54.363: loffFinished

vdctl-5350-8a# **debug fmsp send t30**

FMSP send t30 debugging is on

vdctl-5350-8a# **debug fmsp receive t30**

FMSP receive t30 debugging is on

vdctl-5350-8a#

Mar 26 11:43:29.570: t30 call4Leg=173, state=4, substate=7

Mar 26 11:43:29.570: fax2\_command\_receive: NO\_COMMAND, T1  
timer is not expired

Mar 26 11:43:33.622: t30 call4Leg=173, state=4, substate=7

Mar 26 11:43:33.622: received flag of modulation:

0

Mar 26 11:43:33.622: t30 call4Leg=173, state=4, substate=7

Mar 26 11:43:33.622: fax2\_command\_receive: NO\_COMMAND, T1  
timer is not expired

Mar 26 11:43:35.050: t30 call4Leg=173, state=4, substate=7

Mar 26 11:43:35.050: fax2\_command\_receive: PROCESSING

Mar 26 11:43:35.662: msg dump:FF C0 2 1E 86 66 4 C6 E B4 9E A6 36 2E 96 16 EE B6 4 4 4 4 4

Mar 26 11:43:35.662:

Mar 26 11:43:35.662: t30 call4Leg=173, state=4, substate=7

Mar 26 11:43:35.662: received: CSI remote id

string: andy-pc fax

Mar 26 11:43:35.662: t30 call4Leg=173, state=4, substate=7  
Mar 26 11:43:35.662: fax2\_command\_receive: PROCESSING  
Mar 26 11:43:35.930: t30 call4Leg=173, state=4, substate=7  
Mar 26 11:43:35.930: fax2\_command\_receive: PROCESSING  
Mar 26 11:43:36.198: msg dump:FF C8 1 0 76 1F 1 1 9 0  
Mar 26 11:43:36.198:  
Mar 26 11:43:36.198: t30 call4Leg=173, state=4, substate=7  
Mar 26 11:43:36.198: fax2\_command\_receive: PROCESSING  
Mar 26 11:43:36.326: t30 call4Leg=173, state=4, substate=19  
Mar 26 11:43:36.326: received DIS\_PACKET: BR: 9, resolution: 1,  
encoding : 0, min scan line length : 0, remote\_id\_string: andy-pc fax  
Mar 26 11:43:36.326: t30 call4Leg=173, state=4, substate=21  
Mar 26 11:43:36.330: send DCS\_PACKET: BR: 9, resolution: 1,  
encoding : 0, local\_id\_string:  
Mar 26 11:43:36.330: msg dump:FF C8 C1 0 46 1E  
Mar 26 11:43:36.330:  
Mar 26 11:43:36.330: t30 call4Leg=173, state=4, substate=24  
Mar 26 11:43:36.330: fax2\_response\_receive: PROCESSING  
Mar 26 11:43:41.834: t30 call4Leg=173, state=4, substate=24  
Mar 26 11:43:41.834: received flag of modulation:  
0  
Mar 26 11:43:41.834: t30 call4Leg=173, state=4, substate=24  
Mar 26 11:43:41.834: fax2\_response\_receive: PROCESSING  
Mar 26 11:43:42.670: t30 call4Leg=173, state=4, substate=24  
Mar 26 11:43:42.670: fax2\_response\_receive: PROCESSING  
Mar 26 11:43:42.750: msg dump:FF C8 21  
Mar 26 11:43:42.750:  
Mar 26 11:43:42.750: t30 call4Leg=173, state=4, substate=24  
Mar 26 11:43:42.750: fax2\_response\_receive: PROCESSING  
Mar 26 11:43:42.890: t30 call4Leg=173, state=4, substate=24  
Mar 26 11:43:42.890: in response receive WAIT FOR CD  
Mar 26 11:43:42.890: t30 call4Leg=173, state=4, substate=25  
Mar 26 11:43:42.894: received CFR  
Mar 26 11:43:49.290: t30 call4Leg=173, state=5, substate=44  
Mar 26 11:43:49.290: throttling tx data, buffered data is  
61  
Mar 26 11:44:00.794: t30 call4Leg=173, state=6, substate=31  
Mar 26 11:44:00.794: send MPS  
Mar 26 11:44:00.794: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:00.794: fax2\_response\_receive: PROCESSING  
Mar 26 11:44:03.222: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:03.222: received flag of modulation:  
0  
Mar 26 11:44:03.222: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:03.226: fax2\_response\_receive: PROCESSING  
Mar 26 11:44:04.066: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:04.066: fax2\_response\_receive: PROCESSING  
Mar 26 11:44:04.146: msg dump:FF C8 31  
Mar 26 11:44:04.146:  
Mar 26 11:44:04.146: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:04.146: fax2\_response\_receive: PROCESSING  
Mar 26 11:44:04.294: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:04.294: in response receive WAIT FOR CD  
Mar 26 11:44:04.294: t30 call4Leg=173, state=6, substate=33  
Mar 26 11:44:04.294: received MCF  
Mar 26 11:44:32.494: t30 call4Leg=173, state=6, substate=31  
Mar 26 11:44:32.494: send MPS  
Mar 26 11:44:32.494: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:32.494: fax2\_response\_receive: PROCESSING  
Mar 26 11:44:34.950: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:34.950: received flag of modulation:  
0  
Mar 26 11:44:34.950: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:34.950: fax2\_response\_receive: PROCESSING

Mar 26 11:44:35.786: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:35.786: fax2\_response\_receive: PROCESSING  
Mar 26 11:44:35.870: msg dump:FF C8 31  
Mar 26 11:44:35.870:  
Mar 26 11:44:35.870: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:35.870: fax2\_response\_receive: PROCESSING  
Mar 26 11:44:36.018: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:44:36.018: in response receive WAIT FOR CD  
Mar 26 11:44:36.018: t30 call4Leg=173, state=6, substate=33  
Mar 26 11:44:36.018: received MCF  
Mar 26 11:45:08.118: t30 call4Leg=173, state=6, substate=31  
Mar 26 11:45:08.118: send MPS  
Mar 26 11:45:08.118: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:08.118: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:10.778: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:10.778: received flag of modulation:  
0  
Mar 26 11:45:10.778: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:10.778: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:11.618: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:11.618: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:11.694: msg dump:FF C8 31  
Mar 26 11:45:11.694:  
Mar 26 11:45:11.694: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:11.694: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:11.846: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:11.846: in response receive WAIT FOR CD  
Mar 26 11:45:11.846: t30 call4Leg=173, state=6, substate=33  
Mar 26 11:45:11.846: received MCF  
Mar 26 11:45:30.550: t30 call4Leg=173, state=6, substate=31  
Mar 26 11:45:30.550: send MPS  
Mar 26 11:45:30.550: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:30.550: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:33.034: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:33.034: received flag of modulation:  
0  
Mar 26 11:45:33.034: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:33.034: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:33.874: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:33.874: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:33.950: msg dump:FF C8 31  
Mar 26 11:45:33.950:  
Mar 26 11:45:33.950: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:33.950: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:34.102: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:34.102: in response receive WAIT FOR CD  
Mar 26 11:45:34.102: t30 call4Leg=173, state=6, substate=33  
Mar 26 11:45:34.102: received MCF  
Mar 26 11:45:39.006: t30 call4Leg=173, state=5, substate=27  
Mar 26 11:45:39.006: un-throttling tx data, buffered data is  
6  
Mar 26 11:45:39.206: t30 call4Leg=173, state=6, substate=31  
Mar 26 11:45:39.206: send MPS  
Mar 26 11:45:39.206: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:39.206: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:41.634: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:41.634: received flag of modulation:  
0  
Mar 26 11:45:41.634: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:41.634: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:42.470: t30 call4Leg=173, state=6, substate=32  
Mar 26 11:45:42.470: fax2\_response\_receive: PROCESSING  
Mar 26 11:45:42.554: msg dump:FF C8 31  
Mar 26 11:45:42.554:

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Mar 26 11:45:42.554: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:42.554: fax2_response_receive: PROCESSING
Mar 26 11:45:42.702: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:42.702: in response receive WAIT FOR CD
Mar 26 11:45:42.702: t30 call4Leg=173, state=6, substate=33
Mar 26 11:45:42.702: received MCF
Mar 26 11:45:47.602: t30 call4Leg=173, state=6, substate=31
Mar 26 11:45:47.602: send EOP
Mar 26 11:45:47.602: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:47.602: fax2_response_receive: PROCESSING
Mar 26 11:45:50.022: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:50.022: received flag of modulation:
0
Mar 26 11:45:50.022: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:50.022: fax2_response_receive: PROCESSING
Mar 26 11:45:50.866: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:50.866: fax2_response_receive: PROCESSING
Mar 26 11:45:50.942: msg dump:FF C8 31
Mar 26 11:45:50.942:
Mar 26 11:45:50.946: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:50.946: fax2_response_receive: PROCESSING
Mar 26 11:45:51.094: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:51.098: in response receive WAIT FOR CD
Mar 26 11:45:51.098: t30 call4Leg=173, state=6, substate=33
Mar 26 11:45:51.098: received MCF
Mar 26 11:45:51.098: t30 call4Leg=173, state=7, substate=37
Mar 26 11:45:51.098: send DCN_PACKET
Mar 26 11:45:51.098: t30 call4Leg=173, state=0, substate=0
Mar 26 11:45:51.098: terminating with hang-up status: 0
vdt1-5350-8a#
```

## [Información Relacionada](#)

- [T.37 OnRamp Faxing](#)
- [Fax sobre IP T.37 Almacenamiento y Reenvío de Fax](#)
- [Soporte de Productos de Voice and Unified Communications](#)
- [Troubleshooting de Cisco IP Telephony](#)
- [Soporte Técnico - Cisco Systems](#)