Unity IP传真出站故障排除

目录

简介 先决条件 要求 使用的组件 规则 背景信息 排除故障之前 确保已安装、配置并运行CslpFaxSvc服务 设置邮件客户端以监控传真帐户 注册表设置 排除每个组件的故障 步骤 1:验证邮件是否可以从最终用户发送到传真帐户 步骤 2:验证邮件是否由IP传真服务处理 步骤 3:验证渲染操作 步骤 4:检验路由器是否接收并传送该消息 步骤 5:验证路由器是否发送DSN消息 步骤 6:验证DSN消息是否已收到 注意事项 Appendix 呈现引擎跟踪文件 Q.931断开原因代码

相关信息

<u>简介</u>

从Cisco Unity 4.0(4)和Cisco IOS®软件版本12.3(7)T开始的Cisco Unity IP传真配置向导支持从 Cisco Unity用户到公共交换电话网(PSTN)上传真机的出站传真。此服务允许用户通过简单电子邮件 发送出站传真。目的传真电话号码包含在电子邮件的主题行中,并被发送到Cisco Unity IP Fax服务 检查的邮箱。服务将重新格式化邮件,以适当格式呈现所有附件,重新编址,并发送邮件。邮件通 过简单邮件传输协议(SMTP)发送到配置了T.37 OffRamp功能的Cisco IOS网关,以便将传真发送到 目的电话号码。

本文档讨论用于排除故障的常见步骤。有关Cisco IOS网<u>关的初始配置步骤,请参</u>阅Cisco Unity IP Fax出站网关配置示例。请参阅Cisco <u>Unity的IP传真</u>配置向导。

先决条件

Cisco 建议您了解以下主题:

- Cisco Unity IP Fax出站流程的常规文档请参阅IP传<u>真配置向导</u>和Cisco<u>Unity IP Fax出站网关配</u> 置示例。
- 使用Microsoft Exchange 2000/2003的SMTP的基本知识
- Cisco IOS IP Voice over(VoIP)配置

活动的Cisco Unity服务器(带Cisco Unity IP Fax配置向导2.0.0.19版或更高版本)与本文档中定义的网关配置结合使用,以便具有完整、可操作的系统。在IOS网关端,需要支持T.37 OffRamp功能和Cisco IOS软件版本12.3(7)T或更高版本的Cisco IOS路由器,以及Cisco Unity版本4.0(4)或更高版本,并将Microsoft Exchange 2000或2003作为合作伙伴消息存储。

注意:媒体网关控制协议(MGCP)网络不支持T.37 OffRamp。有关使用T<u>.37时的平台和其他限制的</u> <u>详细信</u>息,请参阅T.37存储转发传真配置指南。

使用的组件

本文档中的信息基于以下软件和硬件版本:

- Cisco 3725作为IOS网关
- Cisco IOS软件版本12.3(8)T4

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原 始(默认)配置。如果您使用的是真实网络,请确保您已经了解所有命令的潜在影响。

规则

有关文档规则的详细信息,请参阅 Cisco 技术提示规则。

<u>背景信息</u>

为了说明故障排除过程,了解此功能的基本操作非常重要。然后,问题范围缩小到特定组件,并收 集更多有关该组件的信息。



1. 系统上的最终用户向传真邮箱发送电子邮件。此消息在传真邮箱(例如fax-unity2@vnt.com)的

主题中必须包含[FAXPHONE=9915550],其中9915550是目的传真机的编号。根据网关中设置的拨号方案,此号码前面有9或只接受某些数字字符串。发送后,Microsoft Exchange会将邮件传送到此邮箱。**注:如**果电子邮件来自另一个域,则域名系统(DNS)和远程邮件系统将配置为将邮件传送到传真邮箱所在的域和邮件帐户。

- 2. Cisco Unity IP Fax服务定期登录传真邮箱并检索邮件。现在,附件已读取。消息在Cisco Unity服务器上呈现(例如,转换为TIF文件),假设它能够处理该大小的附件。
- 3. 一旦呈现附件,该消息就会发送到IOS网关。必须将Microsoft Exchange配置为能够发送邮件 ,该邮件的目的地址是收件人,例如fax=9915550@c3725-51.gateway.com。这通常意味着该 主机(c3725-51.gateway.com)的A记录和邮件交换记录(MX记录)会添加到DNS,而SMTP连 接器会添加到Exchange以路由邮件。此处使用的电子邮件地址和主机名不需要用户友好,因 为最终用户从不直接向网关发送电子邮件。
- 4. IOS网关配置为T.37 OffRamp功能,该功能允许它接收SMTP消息、解释fax=9915550地址、 拨打991550号码(经过任何可能的数字处理),然后将TIF文件传输到收件人传真机。注意 :网关无法使用MGCP使用此功能。但是,电路不需要专用于传真。语音和传真在同一语音电路上同时使用。路由器上的拨号对等体配置决定了呼叫的实际操作。
- 5. 传真送达后,网关将发送传送状态通知(DSN)消息回传到传真邮箱(fax-unity2@vnt.com)。 这 表示传真是否已成功传送。当IP传真服务登录时,将检索DSN消息。如果未成功传送,则检查 原因代码。根据此原因代码,重新发送消息(可能是远程传真正忙)或将消息发回最终用户以 通知用户问题。否则,IP传真服务永远无法知道传真是否成功传送。

此架构的一个优势是任何问题通常都会分解为相关组件。

<u>排除故障之前</u>

确保已安装、配置并运行CslpFaxSvc服务

在开始之前检查设置。

正确设置网关。请参阅<u>Cisco Unity IP Fax出站配置示例</u>和IP<u>传真配置向导</u>。

设置Exchange,以便将邮件从最终用户的邮件存储传送到传真邮箱所在的邮箱。它也以相反的方向 传送,以便状态消息可以发回源。邮件需要能够从传真帐户传送到网关并返回。这涉及在DNS和 Exchange中进行配置。

确保IP传真服务已正确安装。激活设置程序后,在Cisco Unity上运行配置向导,然后选择**开始>程序** > Unity > Cisco Unity IP Fax配置向导。

IP传真服务无法呈现您向其发送的任何内容。当IP传真服务收到附加到电子邮件的文件时,它首先 检查以确保它能识别该扩展名。这些设置在第三方传<u>真管理工具中</u>。允许的默认扩展是BMP、 HTM、TIF和TXT。如果需要DOC扩展,则工具必须添加它,如本例所示。

注意:某些版本中存在问题,导致第三方传真管理工具列表中的最后一个分机无法正常运行。有关 详细信息,<u>请参阅</u>警告部分。

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选择的传真服务器是Cisco Unity IP Fax Routing。DOC会添加到"允许的文件扩展名"区域。这意味着IP传真服务将附件传送到渲染引擎。完成此操作后,渲染引擎依赖于与扩展类型相关联的应用,以便其能够打开文档并将其打印到具有其打印驱动程序的文件。通常允许DOC扩展,因为WordPad应用程序默认安装在Cisco Unity服务器上,并且会打开大多数Microsoft Word文档。 Acrobat Reader等应用程序可帮助您传真PDF文件。有关详细信息,请参阅<u>本文档</u>的警告部分。

注意:思科对.doc扩展正式支持的唯一**应用**程序是WordPad。如果将Wordview或Microsoft Word等 应用与文档扩展一起使用,则呈现引擎可能会失败。

注意:请勿在Cisco Unity服务器上安装Microsoft Office。这会停止Cisco Unity的正确操作。Cisco Unity服务器上应仅安装受支持的第三方应用。在Cisco Unity服务器上安装任何第三方软件时请小心。

从"开**始">"管理工具">"服**务"验证CSIpFaxSvc是否处于活动状态,并且"登录身份"字段与AvCsMgr服 务相同。如果AvCsMgr服务未启动,则可能存在问题。这也会影响CsIpFaxSvc。请参阅<u>Cisco Unity</u> <u>3.1(x)和4.x:AvCsMgr服务无法启动以了</u>解详细信息。

设置邮件客户端以监控传真帐户

如果即使在安装IP传真服务和网关后仍无法运行,则第一步是使用Microsoft Outlook Express(带 Internet邮件访问协议(IMAP)或Outlook(或其他邮件程序)检查IP传真邮箱。由于最终用户向此邮 箱发送邮件,而IP传真服务检查并发送来自此帐户的邮件,因此请确保邮件到达且发送正确。使用 日志文件和Exchange邮件跟踪中心可以诊断此处看到的所有内容。但是,这也有助于说明产品的操 作。

Outlook Express自动安装在Cisco Unity服务器上。Outlook是Cisco Unity统一消息传送部署的首选 邮件。

注意:请勿在Cisco Unity Server上安装Microsoft Outlook。它使Cisco Unity停止运行。Outlook也不 应安装在Exchange服务器上。它必须安装在客户端计算机上,然后进行配置才能连接到 Exchange服务器。

将一个或多个邮件帐户添加到Outlook Express时,请确保指定IMAP。如果选择POP,它会立即从 邮件存储中下载所有邮件。然后,IP传真服务不会检测到任何新消息。指定IP传真服务帐户。如果 密码未知,则访问Active Directory用户和计算机、查找IP传真帐户并重置密码是安全的。

本文档中提供的故障排除方法并非您唯一可以使用的方法。例如,如果您有权访问IP传真帐户,并 通过Outlook或Outlook Express登录,则可以直接从该位置向最终用户发送测试电子邮件。您还可 以直接向网关发送电子邮件。这缩小了问题的范围,因为它证明一个或另一个元素工作正常。

<u>注册表设置</u>

为帮助进行故障排除,请更改诊断级别,以便记录更多输出。选择**开始>运行**,并在命令框中输入 regedit,以便在运行CSIPFaxSvc的Cisco Unity服务器上启用此功能。出现"Registry Editor(注册 表编辑器)"工具后,选择HKEY_LOCAL_MACHINE\SOFTWARE\Active Voice\IPFaxRouter\1.0。

选择**编辑>新建> DWORD值**。指定的名称为DiagLevel。创建时,双击此密钥。在"值数据"字段中输 入**3。**这是最大诊断级别。稍后,可将其更改为0(默认)。 此更改不要求重新启动服务。

注意:当您更改了错误的注册表项或输入了错误的值时,它会导致服务器故障。在编辑注册表项之前,请确认您知道如果出现问题,如何恢复。有关详细信息,请参阅注册表编辑器帮助中的恢复主题。Cisco Unity服务器的典型的备份不备份注册表。对于Cisco Unity故障切换系统,一个Cisco Unity服务器上的注册表更改在另一个Cisco Unity服务器上手动进行,因为注册表更改不会被复制。 有关如何更改注册表项设置的详细信息,请联系思科技术支持。



在某些情况下,另一个有用的密钥是MaximumWait密钥。如果不存在,则此密钥默认为24(小时)。 它指定在将未送达消息发送给最终用户之前保留消息的最长时间。此密钥不直接帮助排除故障 ,但经常需要。

OutboundRouterDomain密钥包含邮件域,当邮件发往要传送到Cisco IOS网关以进行出站传真传送 的地址时,该域用作邮件后缀。为此,本例中的值vnt-3725-51.gateway.com必须通过DNS解析。 对此条目执行ping操作会很有帮助。如果此条目不正确,会向发件人返回一封电子邮件,并通知他 们网关条目无法解析。

提示:此事实对故障排除非常有用:如果安装了除Cisco IOS网关外的所有设备,则可以临时将此注 册表项更改为伪造值,例如DNS中未包含的值。然后向传真邮箱发送传真消息。CsIpFaxSvc服务检 索邮件,呈现附件,然后找不到网关。将非传送回执(NDR)通知发送回发送方,并且将发送至网关 的传真消息的呈现的TIF附件发送回发送方。如果执行此操作,您已验证:

- •您的最终用户可以向传真帐户发送电子邮件。
- 传真可以成功呈现。
- 电子邮件可以从传真帐户发回给最终用户。

除了从传真帐户向网关和从网关向传真帐户发送消息外,所有内容都已消除。

封面键包含所呈现的封面的位置。传输的每张传真都包含一个封面,其中包含一些信息,如页数。 可以编辑此页面并插入自定义信息或公司徽标。如果密钥被更改为不存在的文件,则不发送封面。

排除每个组件的故障

步骤 1:验证邮件是否可以从最终用户发送到传真帐户

从用户向传真帐户发送消息。在此图中,留言的目的地是fax-unity2,即传真邮箱。用户要呼叫的号 码在主题行中指定,在本例中为9915550。用户要传真的文档已附加。

🖬 [faxphone=9915550] - Message (Rich Text)	
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<u><u><u>C</u></u>c</u>	
Subject: [faxphone=9915550]	
	-
This is a fax message using the IP Fax tool	÷.
products.doc	т
	1
사장의 방법은 고양자에서 가슴가 주셨는지 않는 우리가 가장님께서?	
	-

此邮件发送后,将到达最初设置的传真邮箱。此图显示了邮箱的Outlook Express视图。

🕼 Inbox - Outlook Expres	s							_ 🗆 ×
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Outlook Express Coulook Express Coulook Express Coulors Coulo	From: To: Subject:	₽ Unity2 Sub	oscriber	[faxphon	e=9915550]		10/14/2004	8:26
			T	here is no mess	age selected.			×
1 message(s), 1 unread				1	Starking Online	0		lte

如果邮件未到达,则存在基本的邮件传送问题。您应该看看发件人是否收到某种传递失败消息。

Microsoft Exchange 2000/2003具有Exchange邮件跟踪功能,它允许您查看有关邮件传送的其他详细信息。如果发件人和传真帐户位于两个不同的域中(例如a.com和b.com),则确保正确配置发送邮件系统以将邮件传送到目标邮件服务器。这包括在DNS中设置A和MX记录,然后添加SMTP连接器来路由邮件。邮件也应该能够反向发送,以便将未送达的邮件发回给最终用户。

此图显示带A和MX记录的IOS网关的DNS条目。

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Action Yiew 💠 🔿 💽) 📰 🗡 🚰 🔂 🖳 😰		
Tree	Name /	Туре	Data
DNS VNT1-DC1 Porward Lookup Zones vnt.com Reverse Lookup Zones VNT1-DC2	 (same as parent folder) 	Mail Exchanger Name Server Name Server Start of Auth Host	<pre>[10] vnt-3725-51.gateway.com. vnt1-dc1.vnt.com. vnt1-dc2.vnt.com. [3], vnt1-dc1.vnt.com., admin.vnt.com 14.80.51.14</pre>
	[4]		<u> </u>

Exchange中需要SMTP连接器来连接该邮件主机。

😩 Exchange System Manager		
Console Window Help	NT-3725-51 Properties	? ×
Laction ¥lew ↓ ← → € .	Content Restrictions Address Space Cor	Delivery Options Advanced Details nnected Routing Groups Delivery Restrictions
WIT (Exchange) Global Settings	VNT-3725-51	General
In the Administrative Group Servers VNT1-EX1 VNT1-EX2 VNT2-EX1 VNT2-EX1 Protocols Protocols Protocols Prof	Local bridgeheads:	each address space on this connector gh this connector to the following smart hosts
B- 🛃 VNT3-U1	Server	Virtual Server
VNT4-SPE-U1 System Policies System Policies Routing Groups First Routing Group Connectors Outside Lab WNT-3725-51	VNT3-U1	Default SMTP Virtual Server
Members Folders Tools Site Replication Services	Add Ben	ove older referrals
Message Tracking Center Monitoring and Status	OK	Cancel Apply Help

只是测试的示例环境设置。典型的企业Exchange环境要复杂得多。关键是确保您从用户收到邮件到 传真邮箱。有关这些主题的详细信息,请访问Microsoft网站。

确保邮件从最终用户发送到传真帐户,从传真帐户发送到最终最终用户。

步骤 2:验证邮件是否由IP传真服务处理

在IP传真服务配置期间,指定轮询间隔。这表示IP传真服务登录传真邮箱并检查新邮件的频率。思 科建议将此值设置为低,直到验证产品的正确操作。

最佳诊断日志文件是IPFaxSvc<date/time>.log。它位于\Commserver\logs directory目录中的。

注意:在此跟踪示例中,已删除一些信息。

您可以看到日志文件以每个时间间隔登录的邮箱。您还可以看到它处理出站传真。

注意:所有跟踪都反映前面提到的DiagLevel = 3注册表设置。

"Logging on to mailbox [VNT2-EX1\fax-unity2]" "CIpFaxCdoHelper::LogonToMailbox() name returned from Logon is [fax unity2]" "Processing outbox, message count= 1" "CIpFaxCdoHelper::ProcessFaxOutbox() processing message receipts" "CIpFaxCdoHelper::DetermineMessageDisposition() current message subject=[[faxphone=9915550]]" "CIpFaxCdoHelper::DetermineMessageDisposition() setting disposition to OUTBOUND" "CIpFaxCdoHelper::ProcessFaxOutbox() message looks like outbound fax - not processing as receipt message" 出站进程成功登录正确的邮箱,意识到有消息,检索主题,并将其视为出站传真,这一点非常重要

o

"_RecordsetPtr::Open(Select * from tblipFaxData where MessageEntryID =
'00000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0DEF46B5F8EAF983C6C512000000
05E5B20000E7E65E238D0DEF46B5F8EAF983C6C51200000005F55A0000') returned [0] rows Code: 0x80004005. Method: CIpFaxAdoHelper::GetRecordSet. [IpFaxAdoHelper.cpp::403]"

"CIpFaxAdoHelper::Execute() Cmd=[INSERT INTO tblipFaxData (MessageEntryID, Status, ScratchDirectory, TifFileName, NdrErrorCode, BusyCounter, RnaCounter, TimeFirstHandled) VALUES ('0000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0 DEF46B5F8EAF983C6C51200000005E5B20000E7E65E238D0DEF46B5F8EAF983C6C51200000005F55A 0000', '0', 'C:\CommServer\unityMta\IpFaxScratchpad', '0188c93ff8194177b9f313edab c2ea73.tif', '0', '0', '0', '2004-10-14 08:27:17')]"

现在消息已读取。第一条语句指示服务在Cisco Unity服务器的Reports数据库中对 tbllpFaxDatatable运行SQL查询,以查看是否存在具有该MessageEntryID(消息的MAPI ID)的消 息。它找不到任何此类条目(返回0行),因此它会添加包含此信息的新行。此MessageEntryID用 作发送到网关的电子邮件中的"主题"字段。直接查看SQL时,您会看到:

🚡 SQL Server Enterprise Manager							. 🗆 🗙
⊈onsole <u>Window</u> Belp							
						_	
2:Data in Table 'tbltpf'axData' in 'ReportDb' on '	(local)'						
☞ 프릴 팬트 ♬ ! ♥ ♥ ?+ %+	· ※ 🚛 💁						
SELECT *							*
1							2
MessageEntryID Status ScratchDirectory TiffileNar C(CompServer)u 0188c93	ne GatewayMessageEn ff8194177_0000000372C58F8	ItryID NdrErrorCod	e BusyCounter	RnaCounter	TimeFirstHandled 10/14/2004 8:27-1	TimeLastAttempted 10/14/2004 8:27:2	Scrab COLL
*				Ĩ.	top t quest start to	and a descent star. In	
							- 1
				_			
Exonsole Root Microsoft SQ. Servers SQL Serv	ver Group (loca) (Window	s NT) (Databases (Rep	ortub (Tables	_	_		
Action Yiew Tools	× 🖾 📾 🖪 🗋 🦗		0				
Tree	Tables 33 Items						
ReportDb	Name /	Owner	Type	Create Date		<u> </u>	
- ng Dagans	I sysusers	dbo	System	8/6/2000 1:29	12 AM	-	
1 10005	11-corb-scoars	000	USER	10/12/2004 3	22:11 1991	-	
J						10	

SQL用于跟踪每条消息。当传真邮箱不为空时,SQL会按每个间隔逐个检查该邮箱,并根据此消息 ID检查它是否已经为每封邮件进行了说明。附件将复制到暂存目录

C:\CommServer\unityMta\lpFaxScratchpad in this case。如果此消息有DSN,则只需更新 BusyCounter或类似内容。但这是服务跟踪每条消息的方法。文件已复制到暂存目录后,将进行渲 染。

📾 IpFaxScratchpad				_ 🗆 ×
Eile Edit View Favorites Tools	; Help			
(= 8ack + =) + 🔁 🔞 Search	임 Folders 🕑 🕾 🐨 🗙 🕼 💷•			8
Address 🔄 C:\CommServer\unityMta\	IpFax5cratchpad			• @Go
	Name	Size	Modified 🗸	Туре
	irender.tif	3 KB	10/14/2004 8:27	Text Document
The second se	🖪 render	75 KB	10/14/2004 8:27	TIF Image Documen
IpFaxScratchpad	@cover	1 KB	10/14/2004 8:27	HTML Document
	0188c93ff8194177b9f313edabc2ea73	87 KB	10/14/2004 8:27	TIF Image Documen
Select an item to view its description.	0188c93ff8194177b9f313edabc2ea73.tif	0 KB	10/14/2004 8:27	Text Document
See also:				
My Documents				
My Network Places				
My Computer				
	4			
5 object(s)		16	з кв 📃 Му С	omputer //.

"CIpFaxCdoHelper::RenderCurrentMessage() scratch file=[C:\CommServer\
unityMta\IpFaxScratchpad\render.tif]"

"CIpFaxCdoHelper::RenderCurrentMessage() outputting message body to file name=[C:\CommServer\unityMta\IpFaxScratchpad\MsgBody.txt]"

"Rendering file [C:\CommServer\unityMta\IpFaxScratchpad\MsgBody.txt] to [C:\CommServer\unityMta\IpFaxScratchpad\render.tif]"

"CIpFaxCdoHelper::RenderCurrentMessage() added [1] pages to TIFF"

渲染过程开始。每张传真都包含封面、包含邮件正文的页面以及任何或所有附件。封面显示传真的 页数。首先呈现正文,因为它始终先发送。由于它每次只呈现一条消息,因此它始终调用消息正文 MsgBody.txt和临时输出文件render.tif。渲染由Imagemaker软件执行。完成每个渲染过程后,它将 返回所渲染的页数。在本例中,它是一页。

<u>步骤 3:验证渲染操作</u>

图像制作器渲染引擎是打印驱动程序。它获取输入文件,打开关联的默认应用程序(写字板、记事 本等),并使用Image Maker驱动程序将其打印到文件中。这将创建TIF文件。

完整的诊断文件位于附录<u>部分</u>中。当您向与渲染引擎相关的思科技术支持提交问题时,必须提交以 下文件:

- C:\ImgMaker\Conversion_Toolkit\log\ODCDAEMON.log 通过批处理文件进行转换的守护程 序
- C:\log\ImageMakerDocCnvrt Driver.txt 驱动程序级别信息

最有用的信息在ODCDAEMON.log文件中。对于要呈现的每个文件,您会看到:

```
10/14/04 08:27:17
Start time: Thursday, October 14, 2004 08:27:17 AM
Daemon logged in as user: vnt2-u1-ms
Using registry root: HKEY_LOCAL_MACHINE
08:27:17: Pipe name: PrintDocDaemonPipe
08:27:17: Default printer name: ImageMaker DocCnvrt Driver
08:27:17: Registry server: <local>
08:27:17: Service started
08:27:19: 08:27:19: 10/14/04 08:27:19 ServiceRequest thread started
08:27:19: Processing 'Convert v1.0' request
08:27:19: Processing file: C:\CommServer\unityMta\IpFaxScratchpad\MsgBody.txt
08:27:19: Output file: C:\CommServer\unityMta\IpFaxScratchpad\render.tif
08:27:19: Printer name: ImageMaker DocCnvrt Driver
08:27:19: AppendTo filename set to C:\CommServer\unityMta\IpFaxScratchpad\render.tif
08:27:19: Input filename: C:\CommServer\unityMta\IpFaxScratchpad\MsgBody.txt
08:27:19: Output filename: C:\CommServer\unityMta\IpFaxScratchpad\render.tif
08:27:19: 0xE90: <10/14/04 08:27:19> StatusThread timeout value for jobstart: 60000
08:27:21: AutoShutdown feature activated
08:27:21: Sending response 1 to client
08:27:21: 10/14/04 08:27:21 ServiceRequest thread ended
要查看的第一个元素以用户身份登录。这是CslpFaxSvc服务用于登录的相同帐户。
```

Services					_ 🗆	x
Action View	← → 🛍 💽 🗳	🔁 🖫 🔒 🕽 🕨		►		T IS
Tree	Name 🕗	Description	Stat	Startup	Log On As	
Services (Local)	Computer Browser	Maintains an up-to	Started	Automatic Manual	LocalSystem VNT\vnt2-u1-ms	_
	CsIpFaxSvc			Automatic	VNT\vnt2-u1-ms	
	DHCP Client	Manages network c	Started	Automatic	LocalSystem	Ľ

个元素**响应**表示呈现的页数。在本例中,它是一个。如果响应为负数,则表示出错。如果存在错误 ,您必须查看它前面的行。在许多情况下,错误仅针对特定文件类型发生。ODCDAEMON日志文 件显示错误是发生在所有渲染中还是仅发生在某些扩展类型中。

这有利于手动练习渲染引擎进一步测试。以运行CslpFaxSvc服务的同一用户身份登录。这是为了验 证从服务启动渲染引擎时是否出现相同错误。

如果您有每个允许的扩展类型的文件,请双击打开每个文件。关联的应用会打开并检查更新(或类 似过程)。例如,对于Acrobat,可以禁用此功能。

停止CslpFaxSvc。如果任何ODCDAEMON进程仍在运行,请使用任务管理器停止该进程。

注意:如果必须保存ODCDAEMON日志文件以供进一步参考,则必须在您ping CsIpFaxSvc之前 完成。重新启动服务时,它会清除ODCDAEMON日志文件,并且输出丢失。

plications Processes	Performa	ance			
Image Name	PID	CPU	CPU Time	Mem Usage	•
spoolsv.exe	868	00	0:03:28	7,028 K	
SNMP.EXE	1428	00	0:00:00	5,404 K	
SMSS.EXE	472	00	0:00:00	640 K	
SERVICES.EXE	552	00	0:00:02	13,952 K	
regsvc.exe	1372	00	0:00:00	996 K	
regedit.exe	1204	00	0:00:45	6,412 K	
rdpclip.exe	3756	00	0:00:00	1,148 K	
rdpclip.exe	3268	00	0:00:00	1,136 K	
ODCDAEMON.EXE	3904	End D		2,776 K	
notepad.exe	3748		rocess	3,316 K	
mstask.exe	1384	End Pi	rocess <u>T</u> ree	3,404 K	
mssearch.exe	2060	Debug]	1,152 K	
msdtc.exe	908 -			- 6,080 K	
mqsvc.exe	1988	Set Pr	iority	▶ 6,292 K	
mmc.exe	3480	Set Af	finity	3,264 K	
mmc.exe	2904-	00	0.00.00	— 2,888 К	
LSASS.EXE	564	00	0:00:02	6,560 K	
logon.scr	1012	00	0:00:00	1,132 K	
LLSSRV.EXE	1236	00	0:00:00	2,248 K	-
Show processes fr	rom all users	;		End Process	

从C:\ImgMaker\Conversion_Toolkit文件夹启动ODCDAEMON.EXE进程。此时将显示一个窗口,如 下图所示:



从同一文件夹启动CPCOM.EXE文件。

💑 ODC Server (COM) Sample

erver Name:		(E	lank for local)	🗖 Use loca	al server as redirecto
Printer Name:	ImageMaker Doc	Cnvrt Driver			
)utput Directory:	C:\CommServer\	unityMta\lpFax	Scratchpad\		
)utput File Name:	test.tif				
)utput File Type:	TIFF Group 3 Re	versed	•	Multiple	Pages Per File
Printer Type:	Black & White	•			Apply
Set Additional	Print Options				
Drientation:	Resolution:	Page Type:	Dither Mo	ode:	Intensity:
Portrait 🗾	204x196 💌	Letter	▼ Highest	Quality 💌	50 🗻
View Output	When Done 「	View Shadow I	File When Done	e	
File to Convert:	C:\Documents ar	nd Settings\vnt2	2-u1-ms\Deskto	p\config.pdf	Browse

大多数默认设置都正常。在"要转换的文件"字段中,选择所需的输入文件。思科建议您单独测试每 个分机类型。如果输出文件未更改,则输入文件将附加到输出文件。

单击"转**换"**。应用程序开始打印,此对话框出现:

CPCOM	×
(i)	Document conversion successful.
~	Job ID: 1 Pages Written: 30 Input File: C:\Documents and Settings\vnt2-u1-ms\Desktop\config.pdf Output File: C:\CommServer\unityMta\IpFaxScratchpad\\test.tif
	<u>(ОК)</u>

_ 🗆 ×

Click **OK**.选择"完成**时查看输出"**选项。启动TIF查看器并显示输出文件。如果存在错误,在某些情况 下它们与本示例所示的日志文件中显示的内容相同。

03:07:39: Input filename: d:\CommServer\UnityMTA\IpFaxScratchpad**render.tif** 03:07:39: Output filename: d:\CommServer\UnityMTA\IpFaxScratchpad\9484f347996b4ea18b0caeb52ffda465.tif 03:07:39: 0x15F0: <11/19/04 03:07:39> StatusThread timeout value for jobstart: 60000 **PrintTo command does not exist for file type: MSPaper.Document** 03:07:39: AutoShutdown feature activated **Conversion unsuccessful.** Deleting file d:\CommServer\UnityMTA\IpFaxScratchpad\9484f347996b4ea18b0caeb52ffda465.tif 03:07:39: Sending response -20 [PrintTo command does not exist] to client 输入文件是TIF附件。但文件类型是DOC(MSPaper.Document)。 本例中的问题是, Word和Excel等 Microsoft应用程序安装在服务器上,并且它们会更改注册表中的文件关联。编辑 HKEY_CLASSES_ROOT\.tif和TIF,并将Default键更改为TIFImage.Document而不是 MSPaper.Document以修复此错误。

验证每种文件类型后,关闭CPCOM和ODCDAEMON窗口并重新启动CslpFaxSvc服务。

如果所有附件都失败或存在初始化错误,请重新安装渲染引擎。从IPFaxConfigWizard所在的Image maker文件夹中使用**instfax.exe -z**命令卸载该文件夹。然后重新安装它,需要重新启动,并从开始 >程序> Unity重新运**行Cisco Unity IP Fax Configuration Wizard**。

测试错误的最后一个选项是绕过守护进程并从命令行呈现文件。在大多数情况下,如果它以前失败 ,在这里也会失败。但是,在某些情况下,它会提供其他信息。这是在PDFILCNV可执行文件的帮 助下完成的。此程序位于IPFaxConfigWizard安装路径的Image maker子目录中。例如:

PDFILCNV products.doc -Fproducts.tif

确保可以打开显示的文件。

此示例来自lpFaxSvc日志文件:

"CIpFaxCdoHelper::RenderCurrentMessage() processing attachment=[products.doc]"

"CIpFaxCdoHelper::RenderCurrentMessage() attachment written to file= [C:\CommServer\unityMta\IpFaxScratchpad\products.doc]"

"Rendering file [C:\CommServer\unityMta\IpFaxScratchpad\products.doc] to [C:\CommServer\unityMta\IpFaxScratchpad**render.tif**]"

"CIpFaxCdoHelper::R\

)11 \-\] '==e-nderCurrentMe

'==e-nderCurrentMessage() **added [2] pages to TIFF**" 产品DOC附件呈现。它将附加到之前创建的render.tif文件。它有两页,总页数为三页。 "Rendering file [C:\CommServer\unityMta\IpFaxScratchpad\cover.htm] to
[C:\CommServer\unityMta\IpFaxScratchpad\0188c93ff8194177b9f313edabc2ea73.tif]"

"Rendering file [C:\CommServer\unityMta\IpFaxScratchpad**render.tif**] to [C:\CommServer\unityMta\IpFaxScratchpad**0188c93ff8194177b9f313edabc2ea73.tif**]" 封面是cover.htm文件。它是包含一些变量的简单HTML模板。它填写发送消息的用户的名称、被叫 号码和发送的页数。

创建自定义cover.htm文件后,该文件将呈现为messageid.tif文件。先前创建的render.tif文件被呈现 到messageid.tif文件,例如,附加到messageid.tif文件。此时,messageid.tif文件是通过电子邮件 发送或传真的真实消息。

已成功呈现。SQL中的某些字段会更新并发送消息。

"2004-10-14","08:27:29","CIpFaxAdoHelper::Execute() Cmd=[**UPDATE tblipFaxData SET Status = '1'** WHERE MessageEntryID = '00000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0DEF46B5F8EAF983C6C 5120000005E5B20000E7E65E238D0DEF46B5F8EAF983C6C51200000005F55A0000']"

"2004-10-14","08:27:29","CIpFaxAdoHelper::Execute() Cmd=[update tblipfaxdata set TimeLastAttempted = '2004-10-14 08:27:29' where MessageEntryID = '0000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0DEF46B5F8EAF983C6C5120 000005E5B20000E7E65E238D0DEF46B5F8EAF983C6C5120000005F55A0000']"; 消息的状态设置为1.并填写上次更新的时间。它被发送到网关。

步骤 4: 检验路由器是否接收并传送该消息

从IP Fax帐户发送到网关的消息必须采用fax=###@router.gateway.com格式。通常,DNS中需要 DNS A和MX记录,并且需要向Exchange添加SMTP连接器以将邮件路由到该主机。完成此操作后 ,您可以继续排除网关故障。

如果只设置了路由器,则仍可以验证它是否工作(如果使用Telnet访问SMTP端口并手动发送消息),如以下示例所示:

telnet vnt-3725-51.gateway.com 25 Trying 14.80.51.14... Connected to 14.80.51.14. Escape character is '^]'. 220 vnt-3725-51.gateway.com Cisco NetWorks ESMTP server ehlo 250-vnt-3725-51.gateway.com, hello <empty HELO/EHLO> [172.18.106.123] (really) 250-ENHANCEDSTATUSCODES 250-8BITMIME 250-PIPELINING 250-HELP 250-DSN 250 XACCOUNTING mail from:test@test.com 250 2.5.0 Sender <test@test.com> ok rcpt to:fax=9915550@vnt-3725-51.gateway.com 250 2.1.5 Recipient <fax=9915550@vnt-3725-51.gateway.com> ok, maps to `9915550' (cp=no) data 354 Enter mail, end with a single "." This is a test message from the router.

554 5.3.0 An unknown error occurred **quit** 221 2.3.0 Goodbye from vnt-3725-51.gateway.com; closing connection Connection closed by foreign host. 在这种情况下,出现未知错误。发生这种情况是因为用于传送出站传真的主速率接口(PRI)关闭。这

是另一个示例:

telnet vnt-3725-51.gateway.com 25 Trying 14.80.51.14, 25 ... Open 220 vnt-3725-51.gateway.com Cisco NetWorks ESMTP server ehlo 250-vnt-3725-51.gateway.com, hello <empty HELO/EHLO> [172.18.106.66] (really) 250-ENHANCEDSTATUSCODES 250-8BITMIME 250-PIPELINING 250-HELP 250-DSN 250 XACCOUNTING mail from:test@test.com 250 2.5.0 Sender <test@test.com> ok rcpt to:fax=9915550@error.com 553 5.4.4 <fax=9915550@error.com> Unable to relay to remote host quit 221 2.3.0 Goodbye from vnt-3725-51.gateway.com; closing connection 在这种情况下,"Unable to relay to remote host"误消息表示cisco IOS中的mta接收别名列表未配置 error.como

通过Telnet连接到路由器或通过控制台访问路由器,以便直接开始排除网关故障。在Telnetted后 ,发出terminal monitor**命令**。出现**调试**输出。打开调**试传真全部**。如果出站语音电路是PRI,则 debug isdn q931 也是相关命令。

警告: 当您在路由器上启用跟踪时,它有时会影响性能。完成后,使用no debug **all命令**关闭跟踪 。

注意:为节省空间,已截断这些日志。

此调试输出来自一个活动示例:

Oct 15 08:27:26.003: //-1/xxxxxxxx/SMTPS/esmtp server engine work routine: context(0x66CA9AC4), **state=1** Oct 15 08:27:35.051: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: Calling smtp verb: ehlo Oct 15 08:27:35.051: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: context(0x66CA9AC4), state=1 Oct 15 08:27:35.599: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: Calling smtp verb: mail Oct 15 08:27:35.599: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: context(0x66CA9AC4), state=1 Oct 15 08:27:36.143: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_work_routine: Calling smtp verb: rcpt Oct 15 08:27:36.143: //-1/xxxxxxx/SMTPS/esmtp_server_engine_command_rcpt: context(0x66CA9AC4) Oct 15 08:27:36.143: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_command_rcpt: context(0x66CA9AC4) Oct 15 08:27:36.143: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: context(0x66CA9AC4), state=1

Oct 15 08:27:36.691: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine:

Calling smtp verb: data

Oct 15 08:27:36.691: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: context(0x66CA9AC4), state=2

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine:
 (S)R: `Received: from vnt2-ex1.vnt.com ([14.84.31.12]) by VNT1-EX2.vnt.com
with Microsoft SMTPSVC(5.0.2195.6713);'

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: Thu, 14 Oct 2004 08:27:29 -0400'

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `Return-Receipt-To: "fax unity2"'

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `Subject: 00000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0DEF46B 5F8EAF983C6C51200000005E5B30000E7E65E238D0DEF46B5F8EAF983C6C51200000005FB680000' Oct 15 08:27:37.239: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_work_routine:

(S)R: `Date: Thu, 14 Oct 2004 08:27:29 -0400'

- Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `Message-ID: '
- Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `X-MS-Has-Attach: yes'
- Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `MIME-Version: 1.0'

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine:
 (S)R: `Content-Type: image/tiff;'

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine:
 (S)R: ` name="BODY.TIF"'

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `X-MS-TNEF-Correlator: '

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `Content-Transfer-Encoding: base64'

- Oct 15 08:27:37.239: //-1/xxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `Content-Description: BODY.TIF'
- Oct 15 08:27:37.239: //-1/xxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `Content-Disposition: attachment;'

Oct 15 08:27:37.239: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine:
 (S)R: filename="BODY.TIF"'

Oct 15 08:27:37.239: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_work_routine:

(S)R: `Thread-Topic: 0000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0 DEF46B5F8EAF983C6C51200000005E5B30000E7E65E238D0DEF46B5F8EAF983C6C51200000005 FB6800000'

Oct 15 08:27:37.243: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: context(0x66CA9AC4), state=2

Oct 15 08:27:37.243: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `Thread-Index: AcSx6SvU9sc3nVffS3a4/Dwqi2Bpww=='

Oct 15 08:27:37.243: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `From: "fax unity2" '

Oct 15 08:27:37.243: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `content-class: urn:content-classes:message'

- Oct 15 08:27:37.243: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `X-MimeOLE: Produced By Microsoft Exchange V6.0.5762.3'
- Oct 15 08:27:37.243: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `To: '
- Oct 15 08:27:37.243: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `Return-Path: fax-unity2@vnt.com'
- Oct 15 08:27:37.243: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine:
- (S)R: `X-OriginalArrivalTime: 14 Oct 2004 12:27:29.0487 (UTC) FILETIME=[2BE0DDF0:01C4B1E9]'
- Oct 15 08:27:37.243: //-1/xxxxxxx/SMTPS/esmtp_server_engine_work_routine: (S)R: `'

Oct 15 08:27:37.243: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_new_part: Field name: `subject:'

Field value: `00000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0DEF46B5F 8EAF983C6C51200000005E5B30000E7E65E238D0DEF46B5F8EAF983C6C51200000005FB680000'

Oct 15 08:27:37.243: //-1/xxxxxxx/SMTPS/esmtp_server_engine_new_part: Field name: `date:'

Field value: `Thu, 14 Oct 2004 08:27:29 -0400'

```
Oct 15 08:27:37.243: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_new_part:
  Field name: `message-id:'
  Field value: `'
Oct 15 08:27:37.243: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_new_part:
  Field name: `Content-Type:'
  Field value: `image/tiff; name="BODY.TIF"'
Oct 15 08:27:37.243: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_new_part:
  Field name: `Content-Transfer-Encoding:'
  Field value: `base64'
Oct 15 08:27:37.243: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_new_part:
  Field name: `from:'
  Field value: `"fax unity2" '
Oct 15 08:27:37.243: //-1/xxxxxxxx/SMTPS/esmtp_server_engine_new_part:
  Field name: `to:'
  Field value: `'
Oct 15 08:27:37.247: //-1/E7B232638008/SMTPS/esmtp_server_engine_new_part:exit@1977
Oct 15 08:27:37.251: ISDN Se2/0:23 Q931: pak_private_number: Invalid type/plan
0x0 0x1 may be overriden; sw-type 13
Oct 15 08:27:37.251: ISDN Se2/0:23 Q931: Applying typeplan for sw-type 0xD is
0x0 0x0, Called num 99915550
Oct 15 08:27:37.255: ISDN Se2/0:23 Q931: TX -> SETUP pd = 8 callref = 0x0003
       Bearer Capability i = 0x8090A2
               Standard = CCITT
               Transer Capability = Speech
               Transfer Mode = Circuit
               Transfer Rate = 64 kbit/s
       Channel ID i = 0xA98397
               Exclusive, Channel 23
       Called Party Number i = 0x80, '99915550'
               Plan:Unknown, Type:Unknown
. . .
Oct 15 08:27:46.003: ISDN Se2/0:23 Q931: RX <- CONNECT pd = 8 callref = 0x8003
Oct 15 08:27:46.003: ISDN Se2/0:23 Q931: TX -> CONNECT_ACK pd = 8 callref = 0x0003
Oct 15 08:27:52.003: %ISDN-6-CONNECT: Interface Serial2/0:22 is now connected to
99915550
. . .
Oct 15 08:30:11.735: //-1/E7B232638008/SMTPS/esmtp_server_engine_buf_mgmt:
  buffer offset=1368, state=3
Oct 15 08:30:11.735: //-1/E7B232638008/SMTPS/esmtp_server_engine_dot_check:
  Not found the terminating Dot!
Oct 15 08:30:11.739: //-1/E7B232638008/SMTPS/esmtp_server_engine_buf_mgmt:
  state=3
Oct 15 08:30:11.739: //-1/E7B232638008/SMTPS/esmtp_server_engine_buf_mgmt:
  buffer offset=1412, state=3
Oct 15 08:30:11.739: //-1/E7B232638008/SMTPS/esmtp_server_engine_dot_check:
  Found the terminating Dot!
Oct 15 08:30:11.739: //-1/E7B232638008/SMTPS/esmtp_server_engine_work_routine:
context(0x66CA9AC4), state=100ct 15 08:30:12.483: //-1/xxxxxxxx/SMTPS/
esmtp_server_engine_update_recipient_status: faxmail status=60ct 15 08:30:27.883:
 //-1/xxxxxxxx/SMTPS/esmtp_server_engine_update_recipient_status:
faxmail status=7
路由器上的邮件服务器收到该消息。SMTP会话中的所有字段都会在路由器代码的不同级别进行解
析,直到呼叫号码。需要注意的重要元素在几个配置步骤中列出。
```

在show running-config输出中,您看到:

- fax interface-type fax-mail
- 必须将OffRamp软件加载到闪存或FTP/TFTP服务器上。然后设置应用。例如,呼叫应用语音 offramp flash:app_faxmail_offramp.2.0.1.1.tcl。注意:用于OnRamp |OffRamp功能的工具命令 语言(TCL)软件从思科下载(仅限注册客户)下载(仅限注册客户)。
- mta receive maximum <recipients> 大于0的数字

- **mta receive aliases <string>** 必须匹配DNS后缀。例如,如果来自Cisco Unity的电子邮件被 发送到fax=912345@myrouter.com,则别名必须是myrouter.com。您可以有多个**mta接收别名**
- mta send server <IP address of Exchange server> 要发送DSN, 网关必须连接到邮件服务器以传送邮件。只需配置一个Exchange服务器,但可以配置多个Exchange服务器。检查是否删除了所有无效的mta发送服务器地址。否则,始终使用列表中的第一个。
- mta receive generate permanent-error 这是路由器正确将DSN发回Cisco Unity所必需的。

```
•拨号对等体配置。例如:
```

```
dial-peer voice 5590 pots
    destination-pattern 991....
    port 2/0:23
    forward-digits all
    prefix 9
    !
    dial-peer voice 2 mmoip
       application offramp
       information-type fax
       incoming called-number 991
       dsn delayed
       dsn success
       dsn failure
```

如果消息未到达网关,则您必须排除Exchange故障。Exchange 2000中的诊断对此非常有用。 例如



已启用类别SMTP协议和连接管理器的MSExchangeTransport诊断。这位于Exchange System Manager中各个服务器属性下。当您发送消息时,在应用程序事件查看器日志中会看到错误。 最常见的错误配置之一是,当路由器**中的mta接收**别名参数与电子邮件后缀不匹配时。例如,如 果传真服务尝试将消息发送到fax=91234@router.abc.com,则网关必须配**置mta receive** aliases router.abc.com。

步骤 5:验证路由器是否发送DSN消息

这是生成的通知。为节省空间,省略部分跟踪。

Oct 15 08:30:41.739: //-1/E7B232638008/SMTPS/ esmtp_server_engine_generate_notification: context(0x66CA9AC4) Oct 15 08:30:41.739: //-1/E7B232638008/SMTPS/sendDSN: context(0x66CA9AC4) Oct 15 08:30:41.739: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_open: from=, to=fax-unity2@vnt.com Oct 15 08:30:41.739: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_open:exit@1866 Oct 15 08:30:41.739: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_add_headers: from comment=Fax Daemon Oct 15 08:30:41.739: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_dispose_context: exit@2109 Oct 15 08:30:41.739: //-1/E7B232638008/SMTPS/sendDSN: DSN sent, context(0x66CA9AC4) Oct 15 08:30:41.739: //-1/E7B232638008/SMTPS/ esmtp_server_engine_generate_notification:exit@35 Oct 15 08:30:41.739: //-1/E7B232638008/SMTPS/esmtp_server_engine_work_routine: context(0x66CA9AC4), state=1 Oct 15 08:30:41.983: //-1/xxxxxxx/SMTPC/esmtp_client_engine_work_routine: socket 0 readable for first time Oct 15 08:30:41.983: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_work_routine: socket 0 readable for first time Oct 15 08:30:41.983: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 220 vnt2-ex1.vnt.com Microsoft ESMTP MAIL Service, Version: 5.0.2195.6713 ready at Thu, 14 Oct 2004 08:31:09 -0400 Oct 15 08:30:41.987: //-1/xxxxxxx/SMTPC/esmtp_client_engine_writeln: (C)S: EHLO vnt-3725-51.gateway.com Oct 15 08:30:41.987: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_write: return code=0 Oct 15 08:30:42.463: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-vnt2-ex1.vnt.com Hello [14.80.51.14] Oct 15 08:30:42.463: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-TURN Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-ATRN Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-SIZE Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-ETRN Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-PIPELINING Oct 15 08:30:42.463: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-DSN Oct 15 08:30:42.463: //-1/xxxxxxx/SMTPC/esmtp client engine getln: (C)R: 250-ENHANCEDSTATUSCODES Oct 15 08:30:42.463: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-8bitmime Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-BINARYMIME Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-CHUNKING Oct 15 08:30:42.463: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-VRFY Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-X-EXPS GSSAPI NTLM LOGIN Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-X-EXPS=LOGIN Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-AUTH GSSAPI NTLM LOGIN Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln:

Oct 15 08:30:42.463: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln:

(C)R: 250-AUTH=LOGIN

(C)R: 250-X-LINK2STATE Oct 15 08:30:42.467: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250-XEXCH50 Oct 15 08:30:42.467: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250 OK Oct 15 08:30:42.467: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_writeln: (C)S: MAIL FROM:<> Oct 15 08:30:42.467: //-1/xxxxxxx/SMTPC/esmtp client engine write: return code=0 Oct 15 08:30:43.011: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250 2.1.0 <>....Sender OK Oct 15 08:30:43.011: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_writeln: (C)S: RCPT TO: Oct 15 08:30:43.011: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_write: return code=0 Oct 15 08:30:43.555: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 250 2.1.5 fax-unity2@vnt.com Oct 15 08:30:43.555: //-1/xxxxxxx/SMTPC/esmtp client engine write: return code=0 Oct 15 08:30:44.103: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_getln: (C)R: 354 Start mail input; end with . Oct 15 08:30:44.103: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_writeln: (C)S: Received: by vnt-3725-51.gateway.com for (with Cisco NetWorks); Fri, 15 Oct 2004 08:30:44 +0000 Oct 15 08:30:44.107: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_write: return code=0 Oct 15 08:30:44.107: //-1/xxxxxxx/SMTPC/esmtp_client_engine_writeln: (C)S: To: Oct 15 08:30:44.107: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_write: return code=0 Oct 15 08:30:44.107: //-1/xxxxxxx/SMTPC/esmtp_client_engine_writeln: (C)S: Message-ID: <00042004083044107@vnt-3725-51.gateway.com> Oct 15 08:30:44.107: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_write: return code=0 Oct 15 08:30:44.107: //-1/xxxxxxxxx/SMTPC/esmtp_client_engine_writeln: (C)S: Date: Fri, 15 Oct 2004 08:30:44 +0000 Oct 15 08:30:44.107: //-1/xxxxxxx/SMTPC/esmtp client engine write: return code=0 Oct 15 08:30:44.107: //-1/xxxxxxxx/SMTPC/esmtp_client_engine_writeln: (C)S: Subject: Delivery Status Notification

如果它不起作用,则配置中**的mta send server命令**必须设置为正确的Exchange服务器和端口(默 认情况下为25)。在发送传真消息时,需要在mmoip拨号对等体上配置DSN,并且存在**mta receive** generate permanent-error命令。有时该命令不存在,或指向错误的邮件服务器。

注意:Cisco IOS配置允许您配置多个mta **send server命**令。但是,除非设备完全无法访问,否则 只使用第一个设备。因此,当您更改mta发**送服务器**时,您必须删除前一个服务器。

如果您有Outlook或Outlook Express,并且您监控传真邮箱,则在IP传真服务在下一间隔内处理 DSN之前,您会看到DSN已送达。

Inbox - Outlook Expres	5							_ D X
Elle Edit Yew Loois	Message He	lp .						
Create Mail Reply	QQ Reply All	¥⊉ Forward	Drint Print)× Delete	Send/Recv	Addresses	्रिये Find	*
🏟 Inbox								
Folders X Outlook Express Control Local Folders Control Control (Fax-unity2)	9 9	From Unity2 Sub Fax Daemon	scriber	Subject (faxphor Delivery S	ne =9915550] tatus Notification	R: 10	eceived 0/14/2004 0/14/2004 8	8:25 AM :31 AM
Sent Items Drafts	From: Fax Dae Subject: Delve	mon Te : fax-uni wy Status Nobifical	ty2@vnt.co tion	m				<i>I</i>
	This is a De dated: Thu subject: 000000003 received at	livery Status N , 14 Oct 2004 77C58FB04A t Fri, 15 Oct 2	otification 08:27:29 29C4681 2004 08:2	0 for your me 0 -0400 DAB3CBC0 7:37 +0000	essage 07D7F94B070	0E7E65E238	D0DEF46	5B5F8EA
	Delivery wa < <u>FAX=99</u> Successful v	s successful to 15550@vnt-3 vith the status	the follow 725-51.g of: 250 2	ving recipien ateway.com 5.0 Request	ut(s): 1 ^{>} red mail action of	ok, completed	4. 1.	ل تع
2 message(s), 1 unread					J Working Onl	ine		

邮件正文包含邮件ID。以前是主题。消息正文底部附近提到错误。它们是ISDN Q.931错误代码的抽象。有关详细信息<u>,请</u>参阅附录。

同样有用的工具是Exchange邮件跟踪中心。它内置于Exchange 2000/2003 System Manager。邮 件如下:

Message Tracking Cen	ter			
Mess	[Find Now		
Sgnder				Rop
Server	vnt2-ex1	.vnt.com		New Search
Recipients				Help
Logged E	and 10/14/200	04 • 8:20:00 AM •		Q
Origination Time	Sender	Recipients	Subject	
10/14/2004 8:26 AM 10/14/2004 8:27 AM 10/14/2004 8:31 AM	Unity2 Subscriber fax unity2 <>	Fax-unity2 FAX=9915550@vnt-3725-51.gateway.com Fax-unity2@vnt.com	[faxphone=9915550] 00000000377C58FB04A29C468DA Delivery Status Notification	AB3CBC07D7F94B0700E7E6

步骤 6:验证DSN消息是否已收到

当DSN消息位于IP传真服务的邮箱中时,请检查以确保其处理该消息。IpFaxSvc日志文件对此很有 帮助。 "2004-10-14","08:31:30","Logging on to mailbox [VNT2-EX1\fax-unity2]"
"2004-10-14","08:31:30","CIpFaxCdoHelper::LogonToMailbox() name returned from
Logon is [fax unity2]""2004-10-14","08:31:30","Processing outbox, message count= 2"
"2004-10-14","08:31:30","CIpFaxCdoHelper::ProcessFaxOutbox() processing message
receipts"
"2004-10-14","08:31:30","CIpFaxCdoHelper::DetermineMessageDisposition()
current message subject=[Delivery Status Notification]"
"2004-10-14","08:31:30","CIpFaxCdoHelper::MessageIsReceipt() processing message,
type=[IPM.Note]""2004-10-14","08:31:30","CIpFaxCdoHelper::MessageIsReceipt()
processing message as DELIVERY STATUS NOTIFICATION"
消息将被处理。

"2004-10-14", "08:31:30", "CIpFaxMessageBodyParser::GetOriginalSubject returning subject=[0000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0DEF4 6B5F8EAF983C6C51200000005E5B30000E7E65E238D0DEF46B5F8EAF983C6C51200000005FB680000]" "2004-10-14", "08:31:30", "CIpFaxMessageBodyParser::GetCauseCode returning cause code =[16]"

原始主题从邮件的正文中解析。这允许您在数据库中查找消息。原因代码也解析为16。这是正常的 呼叫清除。这些原因代码与Q.931原因代码相对应。有关原因代码的详细信息,请参阅Q.931 Disconnect Cause Codes。

该条目将安全地从数据库中删除并以状态0重新添加。

"2004-10-14","08:31:30","CIpFaxAdoHelper::Execute() Cmd=[DELETE FROM tblipFaxData WHERE MessageEntryID = '00000000377C58FB04A29C468DAB3CBC07D 7F94B0700E7E65E238D0DEF46B5F8EAF983C6C5120000005E5B20000E7E65E238D0DEF46B5F8 EAF983C6C51200000005F55A0000']"

"2004-10-14","08:31:30","_RecordsetPtr::Open(Select * from tbl1pFaxData where MessageEntryID = '00000000377C58FB04A29C468DAB3CBC07D7F94B0700E7E65E238D0DEF46 B5F8EAF983C6C51200000005E5B20000E7E65E238D0DEF46B5F8EAF983C6C51200000005F55A0000') returned [0] rows - Code: 0x80004005. Method: CIpFaxAdoHelper::GetRecordSet. [IpFaxAdoHelper.cpp::403]"

"2004-10-14","08:31:30","CIpFaxAdoHelper::Execute() Cmd=[INSERT INTO tbllpFaxData (MessageEntryID, Status, ScratchDirectory, TifFileName, NdrErrorCode, BusyCounter, RnaCounter, TimeFirstHandled) VALUES ('00000000377C58FB04A29C4 68DAB3CBC07D7F94B0700E7E65E238D0DEF46B5F8EAF983C6C51200000005E5B20000E7E65E 238D0DEF46B5F8EAF983C6C51200000005F55A0000', '0', 'C:\CommServer\unityMta\ IpFaxScratchpad', '2fd36f2af94d4137835928894fb397eb.tif', '0', '0', '0', '2004-10-14 08:31:30')]"

两个邮件都会删除。当您检查出站传真邮件时,没有任何邮件。

2004-10-14","08:32:30","Processing outbox, message count= 0"

<u>注意事项</u>

这些是当前测试版本中存在的一些当前警告。有关解决这些<u>问题的更新</u>版本,请参阅IP传真配置向 导或帮助文件。

- Cisco Bug ID CSCef61241(仅注册客户) 出站IP传真无法呈现PDF。
- Cisco Bug ID CSCef61256(仅注册客户) 出站IP传真无法处理Exchange 5.5的网关DSN。
- Cisco Bug ID CSCef96036(仅注册客户) 当主题格式不正确时,IP传真服务应发送NDR。
- Cisco Bug ID <u>CSCef96051(仅注册</u>客户) 出站IP传真服务封面应允许回叫号码。

- Cisco Bug ID CSCeg04158(仅注册客户)— IP传真服务应将带有未知附件的邮件发送给NDR。
- Cisco Bug ID <u>CSCeg04180</u>(仅限注册客户)—<u>IP传真服务无法识别第三方传真工具中的最后</u> <u>一个分机。</u>
- Cisco Bug ID CSCeg39033(仅注册客户)— IP Fax服务应允许您不呈现电子邮件正文。
- Cisco Bug ID <u>CSCeg39046(仅注册</u>客户)— IP传真呈现引擎和日志目录始终在C:驱动器。
- Cisco Bug ID CSCeg39100(仅注册客户)—IP传真服务应在多次呈现失败后NDR发送消息。
- Cisco Bug ID CSCeg45439(仅注册客户)— IP传真服务应允许确认传真发送到发件人。
- Cisco Bug ID CSCeg45666(仅注册客户)— IP传真服务应检查启动时的应用依赖项。
- Cisco Bug ID CSCeg46458(仅注册客户) 停止IP传真服务应终止ODCDAEMON进程。
- Cisco Bug ID <u>CSCeg52736</u>(仅<u>注册客户</u>) 在出站IP传真服务中,MaximumWait密钥不起作用

o

Appendix

<u>呈现引擎跟踪文件</u>

以下是本文档中讨论的示例的跟踪。有两个文件。一个文件用于守护程序,另一个文件用于打印驱 动程序。通常不需要这些。但是,为了比较目的,每个示例都包含一个示例。当您提交渲染引擎问 题时,这些文件与常规IP传真日志一起需要。

ODCDAEMON.log

C:\ImgMaker\Conversion_Toolkit\log\ODCDAEMON.log

此文件经常使用,并且相当清晰。输入和输出文件在单独的部分列出,并列出响应代码。如果响应 代码是正的,则指示呈现到输出TIF文件中的页数。负响应代码表示错误。检查进程作为运行的用户 。这非常重要,因为用户必须能够打开各个应用以将其转换为TIF。

10/14/04 08:27:17 Start time: Thursday, October 14, 2004 08:27:17 AM Daemon logged in as user: vnt2-u1-ms Using registry root: HKEY_LOCAL_MACHINE 08:27:17: Pipe name: PrintDocDaemonPipe 08:27:17: Default printer name: ImageMaker DocCnvrt Driver 08:27:17: Registry server: <local> 08:27:17: Service started 08:27:19: 08:27:19: 10/14/04 08:27:19 ServiceRequest thread started 08:27:19: Processing 'Convert v1.0' request 08:27:19: Processing file: C:\CommServer\unityMta\IpFaxScratchpad\MsgBody.txt 08:27:19: Output file: C:\CommServer\unityMta\IpFaxScratchpad\render.tif 08:27:19: Printer name: ImageMaker DocCnvrt Driver 08:27:19: AppendTo filename set to C:\CommServer\unityMta\IpFaxScratchpad\render.tif 08:27:19: Input filename: C:\CommServer\unityMta\IpFaxScratchpad\MsgBody.txt 08:27:19: Output filename: C:\CommServer\unityMta\IpFaxScratchpad\render.tif 08:27:19: 0xE90: <10/14/04 08:27:19> StatusThread timeout value for jobstart: 60000 08:27:21: AutoShutdown feature activated 08:27:21: Sending response 1 to client 08:27:21: 10/14/04 08:27:21 ServiceRequest thread ended 08:27:21: 08:27:21: 10/14/04 08:27:21 ServiceRequest thread started 08:27:21: Processing 'Convert v1.0' request 08:27:21: Processing file: C:\CommServer\unityMta\IpFaxScratchpad\products.doc

08:27:21: Printer name: ImageMaker DocCnvrt Driver 08:27:21: AppendTo filename set to C:\CommServer\unityMta\IpFaxScratchpad\render.tif 08:27:21: Input filename: C:\CommServer\unityMta\IpFaxScratchpad\products.doc 08:27:21: Output filename: C:\CommServer\unityMta\IpFaxScratchpad\render.tif 08:27:21: 0xEB8: <10/14/04 08:27:21> StatusThread timeout value for jobstart: 60000 08:27:23: AutoShutdown feature activated 08:27:23: Sending response 2 to client 08:27:23: 10/14/04 08:27:23 ServiceRequest thread ended 08:27:23: 08:27:23: 10/14/04 08:27:23 ServiceRequest thread started 08:27:23: Processing 'Convert v1.0' request 08:27:23: Processing file: C:\CommServer\unityMta\IpFaxScratchpad\cover.htm 08:27:23: Output file: C:\CommServer\unityMta\IpFaxScratchpad\ 0188c93ff8194177b9f313edabc2ea73.tif 08:27:23: Printer name: ImageMaker DocCnvrt Driver 08:27:23: AppendTo filename set to C:\CommServer\unityMta\ IpFaxScratchpad\0188c93ff8194177b9f313edabc2ea73.tif 08:27:23: Input filename: C:\CommServer\unityMta\IpFaxScratchpad\cover.htm 08:27:23: Output filename: C:\CommServer\unityMta\IpFaxScratchpad\ 0188c93ff8194177b9f313edabc2ea73.tif 08:27:23: 0xED8: <10/14/04 08:27:23> StatusThread timeout value for jobstart: 60000 08:27:24: AutoClose skipping window: <Print> with class: <#32770> because parent is IE6 08:27:24: AutoClose skipping window: <Print> with class: <#32770> because parent is IE6 08:27:26: AutoShutdown feature activated 08:27:26: Sending response 1 to client 08:27:26: 10/14/04 08:27:26 ServiceRequest thread ended 08:27:26: 08:27:26: 10/14/04 08:27:26 ServiceRequest thread started 08:27:26: Processing 'Convert v1.0' request 08:27:26: Processing file: C:\CommServer\unityMta\IpFaxScratchpad\render.tif 08:27:26: Output file: C:\CommServer\unityMta\IpFaxScratchpad\ 0188c93ff8194177b9f313edabc2ea73.tif 08:27:26: Printer name: ImageMaker DocCnvrt Driver 08:27:26: AppendTo filename set to C:\CommServer\unityMta\IpFaxScratchpad\ 0188c93ff8194177b9f313edabc2ea73.tif 08:27:26: Input filename: C:\CommServer\unityMta\IpFaxScratchpad\render.tif 08:27:26: Output filename: C:\CommServer\unityMta\IpFaxScratchpad\ 0188c93ff8194177b9f313edabc2ea73.tif 08:27:26: 0xEDC: <10/14/04 08:27:26> StatusThread timeout value for jobstart: 60000 08:27:29: AutoShutdown feature activated 08:27:29: Sending response 3 to client 08:27:29: 10/14/04 08:27:29 ServiceRequest thread ended 驱动程序日志 C:\log\ImageMaker DocCnvrt Driver.log 当您向思科技术支持提交渲染引擎问题时,必须执行此跟踪。 -----> Log session started: 04-10-14, 08:27:19 AM Platform: WinNT 4.0 Release Compilation pszPrinterName ImageMaker DocCnvrt Driver pszAnsiFileName C:\CommServer\unityMta\IpFaxScratchpad\MsgBody.txt pszOutFileName C:\CommServer\unityMta\IpFaxScratchpad\render.tif FileType:0 multiPages:1 command:2 timeout:1800 Entering pdcf_WriteInfoForControlDialog() oppening file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.FWD"

to transfer data (printdoc.dll -> printdoc.exe dialog)

08:27:21: Output file: C:\CommServer\unityMta\IpFaxScratchpad\render.tif

data flushed! MS: 18808737 deleted file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD" used to transfer data from dialog back to here! MS: 18808737 Leaving pdcf_WriteInfoForControlDialog() verb:[printto] params:["ImageMaker DocCnvrt Driver" "winspool" "Ne00:"] lpFile:[C:\CommServer\unityMta\IpFaxScratchpad\MsgBody.txt] Calling ShellExecuteEx() MS: 18808737 ShellExecute() succeded Calling pdcf_WaitForDoneFromControlDialog() MS: 18808769 Entering pdcf_WaitForDoneFromControlDialog() Monitoring cancel event: ImageMaker DocCnvrt Driver.printdoc.cancel Event already exists [this is good] fopen() failed fread() failed !DONE: timeout = 1799 reading file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD" to get 'done' signal from dialog MS: 18809776 ppd_trans_feedback.done = TRUE Calling pdcf_WriteAckToControlDialog() MS: 18809776 Entering pdcf_WriteAckToControlDialog flushing 'done ack' signal to dialog MS: 18809776 Have to wait Leaving pdcf_WriteAckToControlDialog Leaving pdcf_WaitForDoneFromControlDialog() pdcf_WaitForDoneFromControlDialog() returned MS: 18810425 Entering pdcf_CleanUpControlDialog() MS: 18810425 Log session stopped: 04-10-14, 08:27:21 AM -----> -----> Log session started: 04-10-14, 08:27:21 AM Platform: WinNT 4.0 Release Compilation pszPrinterName ImageMaker DocCnvrt Driver pszAnsiFileName C:\CommServer\unityMta\IpFaxScratchpad\products.doc pszOutFileName C:\CommServer\unityMta\IpFaxScratchpad\render.tif FileType:0 multiPages:1 command:2 timeout:1800 Entering pdcf_WriteInfoForControlDialog() oppening file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.FWD" to transfer data (printdoc.dll -> printdoc.exe dialog)

data flushed! MS: 18810518

```
deleted file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD"
used to transfer data from dialog back to here!
MS: 18810518
Leaving pdcf_WriteInfoForControlDialog()
verb:[printto] params:["ImageMaker DocCnvrt Driver" "winspool" "Ne00:"]
lpFile:[C:\CommServer\unityMta\IpFaxScratchpad\products.doc]
Calling ShellExecuteEx()
MS: 18810518
ShellExecute() succeded
Calling pdcf_WaitForDoneFromControlDialog()
MS: 18810561
Entering pdcf_WaitForDoneFromControlDialog()
Monitoring cancel event: ImageMaker DocCnvrt Driver.printdoc.cancel
Event already exists [this is good]
 fopen() failed
  fread() failed
!DONE: timeout = 1799
reading file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD"
to get 'done' signal from dialog
MS: 18811581
!DONE: timeout = 1798
reading file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD"
to get 'done' signal from dialog
MS: 18812585
ppd_trans_feedback.done = TRUE
Calling pdcf_WriteAckToControlDialog()
MS: 18812585
Entering pdcf_WriteAckToControlDialog
flushing 'done ack' signal to dialog
MS: 18812585
Have to wait
Leaving pdcf_WriteAckToControlDialog
Leaving pdcf_WaitForDoneFromControlDialog()
pdcf_WaitForDoneFromControlDialog() returned
MS: 18812858
Entering pdcf_CleanUpControlDialog()
MS: 18812858
Log session stopped: 04-10-14, 08:27:23 AM
----->
----->
Log session started: 04-10-14, 08:27:23 AM
Platform: WinNT 4.0
Release Compilation
pszPrinterName ImageMaker DocCnvrt Driver
pszAnsiFileName C:\CommServer\unityMta\IpFaxScratchpad\cover.htm
pszOutFileName C:\CommServer\unityMta\IpFaxScratchpad\
0188c93ff8194177b9f313edabc2ea73.tif
FileType:0 multiPages:1 command:2 timeout:1800
```

```
oppening file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.FWD"
to transfer data (printdoc.dll -> printdoc.exe dialog)
data flushed!
MS: 18812890
deleted file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD"
used to transfer data from dialog back to here!
MS: 18812890
Leaving pdcf_WriteInfoForControlDialog()
verb:[printto] params:["ImageMaker DocCnvrt Driver" "winspool" "Ne00:"]
lpFile:[C:\CommServer\unityMta\IpFaxScratchpad\cover.htm]
Calling ShellExecuteEx()
MS: 18812894
ShellExecute() succeeded
Calling pdcf_WaitForDoneFromControlDialog()
MS: 18812897
Entering pdcf_WaitForDoneFromControlDialog()
Monitoring cancel event: ImageMaker DocCnvrt Driver.printdoc.cancel
Event already exists [this is good]
 fopen() failed
 fread() failed
!DONE: timeout = 1799
 fopen() failed
 fread() failed
!DONE: timeout = 1798
reading file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD"
to get 'done' signal from dialog
MS: 18814909
ppd_trans_feedback.done = TRUE
Calling pdcf_WriteAckToControlDialog()
MS: 18814909
Entering pdcf_WriteAckToControlDialog
flushing 'done ack' signal to dialog
MS: 18814909
Have to wait
Leaving pdcf_WriteAckToControlDialog
Leaving pdcf_WaitForDoneFromControlDialog()
pdcf_WaitForDoneFromControlDialog() returned
MS: 18815620
Entering pdcf_CleanUpControlDialog()
MS: 18815620
Log session stopped: 04-10-14, 08:27:26 AM
----->
----->
Log session started: 04-10-14, 08:27:26 AM
Platform: WinNT 4.0
Release Compilation
pszPrinterName ImageMaker DocCnvrt Driver
pszAnsiFileName C:\CommServer\unityMta\IpFaxScratchpad\render.tif
pszOutFileName C:\CommServer\unityMta\IpFaxScratchpad\
0188c93ff8194177b9f313edabc2ea73.tif
FileType:0 multiPages:1 command:2 timeout:1800
```

```
Entering pdcf_WriteInfoForControlDialog()
oppening file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.FWD"
to transfer data (printdoc.dll -> printdoc.exe dialog)
data flushed!
MS: 18815632
deleted file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD"
used to transfer data from dialog back to here!
MS: 18815632
Leaving pdcf_WriteInfoForControlDialog()
verb:[printto] params:["ImageMaker DocCnvrt Driver" "winspool" "Ne00:"]
lpFile:[C:\CommServer\unityMta\IpFaxScratchpad\render.tif]
Calling ShellExecuteEx()
MS: 18815632
ShellExecute() succeded
Calling pdcf_WaitForDoneFromControlDialog()
MS: 18815659
Entering pdcf_WaitForDoneFromControlDialog()
Monitoring cancel event: ImageMaker DocCnvrt Driver.printdoc.cancel
Event already exists [this is good]
  fopen() failed
  fread() failed
!DONE: timeout = 1799
reading file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD"
 to get 'done' signal from dialog
MS: 18816667
!DONE: timeout = 1798
reading file: "C:\ImgMaker\Conversion_Toolkit\ImageMaker DocCnvrt Driver.BWD"
to get 'done' signal from dialog
MS: 18817671
ppd_trans_feedback.done = TRUE
Calling pdcf_WriteAckToControlDialog()
MS: 18817671
Entering pdcf_WriteAckToControlDialog
flushing 'done ack' signal to dialog
MS: 18817671
Have to wait
Leaving pdcf_WriteAckToControlDialog
Leaving pdcf_WaitForDoneFromControlDialog()
pdcf_WaitForDoneFromControlDialog() returned
MS: 18818319
Entering pdcf_CleanUpControlDialog()
MS: 18818319
Log session stopped: 04-10-14, 08:27:29 AM
----->
Q.931断开原因代码
```

-			
	Unallocated (unassigned) number		
2	No route to specified transit network (WAN)		
3	No route to destination		
4	send special information tone		
5	misdialled trunk prefix.		
6	Channel unacceptable		
./	Call awarded and being delivered in an established channel		
8	Prefix 0 dialed but not allowed		
9	Prefix 1 dialed but not allowed		
10	Prefix 1 dialed but not required		
11	More digits received than allowed, call is proceeding		
16	Normal call clearing		
17	User busy		
18	No user responding		
19	no answer from user		
21	Call rejected		
22	Number changed		
23	Reverse charging rejected		
24	Call suspended		
25	Call resumed		
26	Non-selected user clearing		
27	Destination out of order		
28	Invalid number format (incomplete number)		
29	Facility rejected		
30	Response to STATUS ENQUIRY		
31	Normal, unspecified		
33	Circuit out of order		
34	No circuit/channel available		
35	Destination unattainable		
37	Degraded service		
38	Network (WAN) out of order		
39	Transit delay range cannot be achieved		
40	Throughput range cannot be achieved		
41	Temporary failure		
42	Switching equipment congestion		
43	Access information discarded		
44	Requested circuit channel not available		
45	Pre-empted		
46	Precedence call blocked		
47	Resource unavailable - unspecified		
49	Quality of service unavailable		
50	Requested facility not subscribed		
51	Reverse charging not allowed		
52	Outgoing calls barred		
53	Outgoing calls barred within CUG		
54	Incoming calls barred		
55	Incoming calls barred within CUG		
56	Call waiting not subscribed		
57	Bearer capability not authorized		
58	Bearer capability not presently available		
63	service or option not available, unspecified		
65	Bearer service not implemented		
00	unannei type not implemented		
ю / С О	Transit network selection not implemented		
00 60	Message not implemented		
69 70	Requested facility not implemented		
/ U	Unly restricted digital information bearer capability		
70	1s available		
/9	service or option not implemented, unspecified		
8.1 Ω⊥	Invalid Call reference value		
ŏ∠ 0.2	Identified channel does not exist		
0 J 0 /	A suspended call exists, but this call identity does not		
04 05	Call Identity In use		
0.0	NO CALL SUSPENDED		

86	Call having the requested call identity has been cleared			
87	Called user not member of CUG			
88	Incompatible destination			
89	Non-existent abbreviated address entry			
90	Destination address missing, and direct call not subscribed			
91	Invalid transit network selection (national use)			
92	Invalid facility parameter			
93	Mandatory information element is missing			
95	Invalid message, unspecified			
96	Mandatory information element is missing			
97	Message type non-existent or not implemented			
98	Message not compatible with call state or message type			
	non-existent or not implemented			
99	information element nonexistant or not implemented			
100	Invalid information element contents			
101	Message not compatible with call state			
102	Recovery on timer expiry			
103	parameter non-existent or not implemented - passed on			
111	Protocol error unspecified			
127	Internetworking, unspecified			

相关信息

- 语音技术支持
- 语音和统一通信产品支持
- <u>Cisco IP 电话故障排除</u>
- <u>技术支持和文档 Cisco Systems</u>