

ICMP重定向原因VCS的终端注册失败

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简介

本文描述遇到的问题对视频通信服务器(VCS)的地方H.323终端注册发生故障。终端显示已注册在VCS。然而，因为VCS接受互联网控制消息协议(ICMP)重定向并且重定向registrationConfirm，注册在终端拒绝。

问题

设法注册到VCS的终端显示已注册在VCS;然而，注册在终端拒绝。

这发生，当终端发送registrationRequest (RRQ)对VCS，并且VCS发送Registration Confirm (RCF)对终端。因此，从VCS方面，终端顺利地当前注册。然而，RCF不达到终端，因此显示在终端的注册拒绝。

日志分析

终端数据包捕获显示它发送RRQ对VCS;然而，它未接收答复。

No.	Time	Source	Destination	Protocol	Length	Info
235	2013-11-14 07:56:06.859118	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
260	2013-11-14 07:56:10.227289	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
268	2013-11-14 07:56:13.231689	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
527	2013-11-14 07:56:36.236398	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
534	2013-11-14 07:56:39.254399	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
537	2013-11-14 07:56:42.258821	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
631	2013-11-14 07:57:05.259534	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
637	2013-11-14 07:57:06.281562	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
642	2013-11-14 07:57:11.285864	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest

```

> Frame 235: 361 bytes on wire (2888 bits), 361 bytes captured (2888 bits)
> Ethernet II, Src: Tandberg_07:20:70 (00:50:60:07:20:70), Dst: Cisco_b5:ab:c3 (00:23:ac:b5:ab:c3)
> Internet Protocol Version 4, Src: 10.200.104.10 (10.200.104.10), Dst: 10.110.101.30 (10.110.101.30)
> User Datagram Protocol, Src Port: h323gatestat (1719), Dst Port: h323gatestat (1719)
> H.225.0 RAS

```

VCS数据包捕获显示VCS接收RRQ并且回复以RCF：

No.	Time	Source	Destination	Protocol	Length	Info
47	2013-11-14 07:56:06.857710	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
48	2013-11-14 07:56:06.861205	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm
81	2013-11-14 07:56:10.226526	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
82	2013-11-14 07:56:10.227125	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm
111	2013-11-14 07:56:13.230762	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
112	2013-11-14 07:56:13.231256	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm
169	2013-11-14 07:56:36.235522	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
170	2013-11-14 07:56:36.238998	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm
204	2013-11-14 07:56:39.253649	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
205	2013-11-14 07:56:39.254167	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm
214	2013-11-14 07:56:42.257789	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
215	2013-11-14 07:56:42.258285	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm
1389	2013-11-14 07:57:05.258548	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
1390	2013-11-14 07:57:05.261977	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm
1401	2013-11-14 07:57:08.280680	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
1402	2013-11-14 07:57:08.281206	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm
1440	2013-11-14 07:57:11.284815	10.200.104.10	10.110.101.30	H.225.0	361	RAS: registrationRequest
1441	2013-11-14 07:57:11.285318	10.110.101.30	10.200.104.10	H.225.0	260	RAS: registrationConfirm

```

> Frame 48: 260 bytes on wire (2080 bits), 260 bytes captured (2080 bits)
> Ethernet II, Src: NexcomIn_2d:02:40 (00:10:f3:2d:02:40), Dst: Cisco_ca:44:b9 (00:1b:d4:ca:44:b9)
> Internet Protocol Version 4, Src: 10.110.101.30 (10.110.101.30), Dst: 10.200.104.10 (10.200.104.10)
> User Datagram Protocol, Src Port: h323gatestat (1719), Dst Port: h323gatestat (1719)
> H.225.0 RAS

```

解决方案

当在H.323的注册过程在UDP，此问题发生。一原因为什么这可能发生是，因为VCS接收ICMP重定向重定向H225注册，接纳，状态(RAS)流量到另一个设备(可适应安全工具(ASA)/网关)。

禁用VCS，因此它不接受ICMP重定向

登录与根凭证的VCS安全壳SSH并且编辑/etc/sysctl.conf文件为了添加这些条目：

```
net.ipv4.conf.all.accept_redirects = 1
net.ipv4.conf.all.send_redirects = 1
```

一个相似的问题的另一个原因在[终端描述显示已注册在VCS控制和未注册在终端](#)。