

VOIP业务路由器升级案例

问题描述:

某局点两台R2620路由器通过2M串口线路对接，（一个在中心局点，一个在远端局点）实现数据通讯和VOIP业务。曾经使用VRP1.5.6 Realese (1)版本，由于业务安全需要，升级至VRP1.74-0105版本。升级过程正常，当中心局点路由器升级至VRP1.74-0105版本后，数据业务正常，VOIP业务无法工作；再升级远端路由器后，数据业务正常，VOIP业务仍旧不正常，中心局点可以作为主叫，被叫不通。远端局点称听不到回铃音，本端局点也没有振铃。

告警信息:

```
[YN_KM_HW]disp voic call last 10
!
CallRecord [ 5]:
  CallerNum      =
  CalledNum      = 3813
  EncodeType     = 711u
  PeerAddress    = 127.0.0.1
  DisconnectCause = 0
  DisconnectText = Normal release
  TalkingTimes   = 00h 00m 00s
  VoiceTimes     = 00h 00m 00s
  FaxTimes       = 00h 00m 00s
  ImgPages       = 0
  CallDirection  = 1
  SetupTime(voip) = Apr 16, 2004 11:19:59
  ConnectTime(voip) = None
  DisconnectTime(voip) = Apr 16, 2004 11:20:27
  Transmit(voip) = 0 (package): 0 (byte)
  Received(voip) = 0 (package): 0 (byte)
  SetupTime(pstn) = Apr 16, 2004 11:19:55
  ConnectTime(pstn) = Apr 16, 2004 11:19:55
  DisconnectTime(pstn) = Apr 16, 2004 11:20:27
  Transmit(pstn) = 0 (package): 0 (byte)
  Received(pstn) = 0 (package): 0 (byte)
!
CallRecord [ 4]:
  CallerNum      = 3812
  CalledNum      = 612236
  EncodeType     = 711a
  PeerAddress    = 130.34.41.2
  DisconnectCause = 0
  DisconnectText = Normal release
  TalkingTimes   = 00h 00m 17s
  VoiceTimes     = 00h 00m 09s
  FaxTimes       = 00h 00m 08s
  ImgPages       = 0
  CallDirection  = 2
  SetupTime(voip) = Apr 16, 2004 11:13:51
  ConnectTime(voip) = Apr 16, 2004 11:13:56
  DisconnectTime(voip) = Apr 16, 2004 11:14:13
  Transmit(voip) = 804 (package): 120236 (byte)
  Received(voip) = 431 (package): 73852 (byte)
  SetupTime(pstn) = Apr 16, 2004 11:13:51
  ConnectTime(pstn) = Apr 16, 2004 11:13:51
  DisconnectTime(pstn) = Apr 16, 2004 11:14:13
  Transmit(pstn) = 430 (package): 68504 (byte)
  Received(pstn) = 906 (package): 109750 (byte)
!
```

CallRecord [3]:

CallerNum = 3812
CalledNum = 061223
EncodeType = 711a
PeerAddress = 130.34.41.2
DisconnectCause = 0
DisconnectText = Normal release
TalkingTimes = 00h 00m 00s
VoiceTimes = 00h 00m 00s
FaxTimes = 00h 00m 00s
ImgPages = 0
CallDirection = 2
SetupTime(voip) = Apr 16, 2004 11:13:31
ConnectTime(voip) = None
DisconnectTime(voip) = Apr 16, 2004 11:13:43
Transmit(voip) = 617 (package): 105892 (byte)
Received(voip) = 0 (package): 0 (byte)
SetupTime(pstn) = None
ConnectTime(pstn) = None
DisconnectTime(pstn) = None
Transmit(pstn) = 0 (package): 0 (byte)
Received(pstn) = 0 (package): 0 (byte)

!

CallRecord [2]:

CallerNum = 3812
CalledNum = 612236
EncodeType = 711a
PeerAddress = 130.34.41.2
DisconnectCause = 0
DisconnectText = Normal release
TalkingTimes = 00h 00m 41s
VoiceTimes = 00h 00m 08s
FaxTimes = 00h 00m 33s
ImgPages = 0
CallDirection = 2
SetupTime(voip) = Apr 16, 2004 11:12:34
ConnectTime(voip) = Apr 16, 2004 11:12:40
DisconnectTime(voip) = Apr 16, 2004 11:13:21
Transmit(voip) = 1214 (package): 129988 (byte)
Received(voip) = 398 (package): 67704 (byte)
SetupTime(pstn) = Apr 16, 2004 11:12:34
ConnectTime(pstn) = Apr 16, 2004 11:12:34
DisconnectTime(pstn) = Apr 16, 2004 11:13:21
Transmit(pstn) = 395 (package): 62460 (byte)
Received(pstn) = 1951 (package): 112722 (byte)

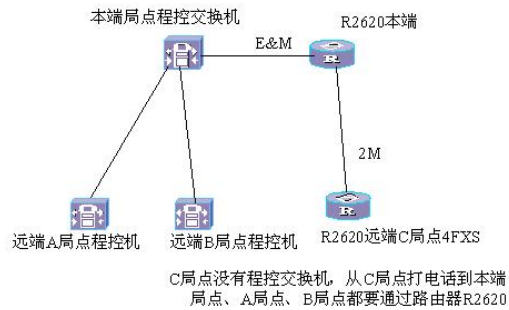
!

CallRecord [1]:

CallerNum =
CalledNum = 3812
EncodeType = 711a
PeerAddress = 130.34.41.2
DisconnectCause = 0
DisconnectText = Normal release
TalkingTimes = 00h 00m 23s
VoiceTimes = 00h 00m 23s
FaxTimes = 00h 00m 00s
ImgPages = 0
CallDirection = 1
SetupTime(voip) = Apr 16, 2004 11:11:51
ConnectTime(voip) = Apr 16, 2004 11:11:59
DisconnectTime(voip) = Apr 16, 2004 11:12:22
Transmit(voip) = 1157 (package): 198628 (byte)

Received(voip) = 1561 (package): 267908 (byte)
SetupTime(pstn) = Apr 16, 2004 11:11:46
ConnectTime(pstn) = Apr 16, 2004 11:11:46
DisconnectTime(pstn) = Apr 16, 2004 11:12:22
Transmit(pstn) = 1555 (package): 248800 (byte)
Received(pstn) = 1552 (package): 248320 (byte)

组网情况:



解决措施:

根据对网络情况的理解, 分析了号码匹配的规则,

配置match-template .T

或者match-template T

或者match-template 0, 故障现象都一致。

配置了match-template 0T后, 故障消失, “disp cur”时, 显示为“match-template 0T”。

后来发现在VRP1.5.6中显示的两条命令也是配置“destination-pattern 0T”产生的, 只是“show run”的时候, 显示为两条。

附配置记录: