

如何部署和配置与与Customer Voice Portal (CVP)的中继线利用率功能

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简介

本文描述如何设置和配置与CVP的中继线利用率功能。

先决条件

要求

Cisco 建议您了解以下主题：

- CVP
- 语音网关

使用的组件

本文档不限于特定的软件和硬件版本。

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。如果您的网络实际，请保证您了解所有命令潜在影响。

中继线利用率功能概述

CVP(ICM)0 (DS0)(DSP)(CPU)Unified CVPUnified CVP

•CPU DS0 DSP(SIP)Unified CVP

•Cisco IOS(CLI)

•SIP==

•(RAI)Unified Contact Center(CCE)(PSTN)(ICM)preroute(NIC)Unified CVP

DS0

Unified CVP Unified ICMS0SIPPSTNDS0ICM

•
•TrunkGroupIDTrunkGroupChannelNumUnified CCE

PSTNSIPPSTN

Via: SIP/2.0/UDP

192.168.1.79:5060;x-route-tag="tgrp:2811-b-000";x-ds0num="ISDN 0/0/0:15
0/0/0:DS1 1:DS0";branch
Unified CVPPSTNUnified ICM

•TrunkGroupIDtgrp xTAG

#tgrp tgrpTrunkGroupID=value > +ISDN<dataDS1 tags>·TrunkGroupID = 2811-b-000<space>0/0/0:15 0/0/0

#TrunkGroupID = <IPISDN and:DS1tags>header> + <data
TrunkGroupID=192.168.1.79<space>0/0/0:15 0/0/0

•TrunkGroupChannelNumx-ds0numDS0

TrunkGroupChannelNum = <valueDS0>·TrunkGroupChannelNum = 1

TrunkGroupChannelNum = <maxint value>DS0

TrunkGroupChannelNum = Integer.MAX_VALUE (2³¹ - 1)

使用中继线利用率

IOS 15.1(2)及以后引入长话欺骗预防。推荐此功能为在网关的RAI资源设置，使用60%低水印和80%高水印。

IOS网关配置示例：

```
voice class resource-group 1
  resource cpu 1-min-avg threshold high 80 low 60
  resource ds0
  resource dsp
  resource mem total-mem
  periodic-report interval 30
```

```
sip-ua
  rai target ipv4:<ip address of CVP server> resource-group 1
```

#configure this for each CVP server.

POTSserial interfacesDS0

```
voice class resource-group 1
  resource cpu 1-min-avg threshold high 80 low 60
  resource ds0
  resource dsp
  resource mem total-mem
  periodic-report interval 30
```

```
sip-ua
rai target ipv4:<ip address of CVP server> resource-group 1
```

#configure this for each CVP server.

RAI

```
voice class resource-group 1
resource cpu 1-min-avg threshold high 80 low 60
resource ds0
resource dsp
resource mem total-mem
periodic-report interval 30
```

```
sip-ua
rai target ipv4:<ip address of CVP server> resource-group 1
```

#configure this for each CVP server.

CVP & ICM

1.(OAMP)

The screenshot shows the Cisco Unified Customer Voice Portal interface. At the top, there is a navigation menu with options: System, Device Management, User Management, Bulk Administration, SNMP, Tools, and Help. Below this is a header for "Edit Gateway Configuration". A secondary menu contains icons for Save, Statistics, IOS Commands, File Transfer, and Help. The main content area is divided into two tabs: "General" (selected) and "Device Pool". Under the "General" tab, there is a form with the following fields:

IP Address: *	<input type="text" value="20.20.205.1"/>
Hostname: *	<input type="text" value="CUBE-GW"/>
Device Type:	<input type="text" value="3800"/>
Description:	<input type="text" value="Combo"/>
Trunk Group ID:	<input type="text" value="300"/>
Location ID:	<input type="text"/>
Enable secure communication with the Ops console:	<input type="checkbox"/>

* Required.

¹ Clicking Test Sign-in does not save modified Username and Passwords. To save modified Username and Passwords, click Save.

ICM

Trunk Utilization

Enable Gateway Trunk Reporting: ¹

Maximum Gateway Ports: ¹

Associate Gateway(s)

Available	Selected ¹
<input type="text"/>	<input type="text" value="20.20.205.1"/>

SIP2

Generic Type Descriptor (GTD) Parameter Forwarding:

Prepend digits:

UDP Retransmission Count:

Use Error Refer:

IOS Gateway Options Dynamic Routing:

IOS Gateway Options Reporting:

4.ICM

Network Trunk Group Explorer

Select filter data

PG:

Optional Filter	Condition	Value (Case Sensitive)
<input type="text" value="None"/>	<input type="text"/>	<input type="text"/>

Save

Network trunk group

Name: *

Description:

Trunk group

Peripheral: *

Peripheral number: *

Peripheral name: *

Name: *

Extension:

Trunk count:

Configuration parameters:

Description:

Hide legend

- (1) Network trunk group
 - (2) Trunk group
 - (3) Trunk

Click on an item to edit or view its contents.
Use the Add buttons to create new items.

- UNASSIGNED
 - NTG_205.1
 - CVP_PIM1.205.1_GW

注意：请使用和一样在CVP OAMP侧的中继Group ID的Peripheral number。