

# 如何用与Customer Voice Portal (CVP)的中继线利用率功能配置和配置

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## Introduction

本文描述如何用CVP设置和配置中继线利用率功能。

## Prerequisites

### Requirements

Cisco 建议您了解以下主题：

- CVP
- 语音网关

### Components Used

This document is not restricted to specific software and hardware versions.

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. 如果您的网络实际，请保证您了解所有命令的潜在影响。

### 中继线利用率功能概述

CVP(ICM)0 (DS0)(DSP)(CPU)CVPCVP

•CPU DS0 DSP(SIP)CVP

•Cisco IOS(CLI)

•SIP==

•(RAI)(CCE)(PSTN)(ICM)preroute(NIC)CVP

## DS0

CVPICMTrunkDS0SIPPSTNTrunkDS0ICM

•  
•TrunkGroupIDTrunkGroupChannelNumCCE

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
CVPPSTNICM
```

•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-ds0nunDS0  
# TrunkGroupChannelNum = <valueDS0>·TrunkGroupChannelNum = 1

```
#TrunkGroupChannelNum = <max int value>DS0
```

```
# TrunkGroupChannelNum = Integer.MAX_VALUE (2^31 - 1)
```

## 使用中继线利用率

IOS 15.1(2)及以后引入长话欺骗预防。建议使用此功能为在网关的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.
```

## pots Dial PeerTrunk serial 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)

#### Cisco Unified Customer Voice Portal

System ▾ Device Management ▾ User Management ▾ Bulk Administration ▾ SNMP ▾ Tools ▾ Help ▾

#### Edit Gateway Configuration

 Save  Statistics  IOS Commands  File Transfer  Help

General **Device Pool**

#### General

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.

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

### Step 2.ICM

**Trunk Utilization**

Enable Gateway Trunk Reporting: <sup>1</sup>

Maximum Gateway Ports: <sup>1</sup>

**Associate Gateway(s)**

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

### 3.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):

Save

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

**Network trunk group**

Name: \*

Description:

**Trunk group**

Peripheral: \*

Peripheral number: \*

Peripheral name: \*

Name: \*

Extension:

Trunk count:

Configuration parameters:

Description:

**Note:** 请使用和一样在CVP OAMP边的Trunk组标识的外围编号。