

为CallManager配置一号通

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简介

本文档介绍在配置称为“移动连接”的Cisco Unified Mobility应用时常用的输入和修改。

先决条件

要求

Cisco 建议您了解以下主题：

- 远程目标电话不能是注册到同一集群的电话，它可以是其他集群中的电话或中继/网关上的PSTN电话（PSTN电话）。
- 可从台式电话的集群访问远程目标电话。

使用的组件

本文档中的信息基于以下软件版本：

- 思科统一呼叫管理器11.0.1.21900-11

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。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

背景信息

Cisco Unified Mobility应用称为Mobile Connect，通常称为一号通(SNR)，它使Cisco Unified Communications用户能够通过在其IP台式电话和手机（远程目标）上同时振铃的单个企业电话号码进行联系。Mobile Connect用户可以在其台式电话或蜂窝电话以及任何位置接听来电，并且可以将正在进行的呼叫从其中一部电话转移到另一部电话，而不会出现中断。

配置

使用CUCM时，所执行的任务与以下活动有关：

- 用户配置
- 远程目标配置文件配置
- 远程目标配置

用户配置



您将定向到“User Device Association”页，在该页中可以选择需要作为用户的台式电话进行关联的设备，然后单击Save Selected/Changes，如图所示：

User Device Association				
Find User Device Association where Name begins with				
<input checked="" type="checkbox"/> Show the devices already associated with user				
		Device Name	Directory Number	
<input type="checkbox"/>		BOTMOTOG	1234	
<input checked="" type="checkbox"/>		SEP0026CB3DC691	9998	SEP0026CB3DC691
<input type="checkbox"/>		SEP0026CB3DC691	\+61388710958	SEP0026CB3DC691
<input type="checkbox"/>		SEP006440B57B06	\+61388710959	SEP006440B57B06
<input type="checkbox"/>		SEP04C5A44C15BD	\+61388710957	SEP04C5A44C15BD
<input type="checkbox"/>		SEP04C5A44C15BD	9998	SEP04C5A44C15BD
<input type="checkbox"/>		SEP0C27245472A0	1005	Auto 1005
<input type="checkbox"/>		SEP1C1D862F4170	1001	Auto 1001
<input type="checkbox"/>		SEP28C7CED7E0FA	1007	Auto 1007
<input type="checkbox"/>		SEP503DE57D6C04	1003	Auto 1003
<input type="checkbox"/>		SEP5067AEE361AC	\+61388710956	Auto 1004
<input type="checkbox"/>		SEP74A02FC0AEB1	8120	Auto 1008
<input type="checkbox"/>		SEPACA016FDC201	1012	Auto 1012
<input type="checkbox"/>		SEPB000B4BA090B	1011	Auto 1011
<input type="checkbox"/>		SEPB8386156E7BA	\+61388710955	SEPB8386156E7BA
<input type="checkbox"/>		SEPBBC16F51668F6	1006	Auto 1006
<input type="checkbox"/>		SEPBFC1F2E97CF4	5678	Auto 1009
<input type="checkbox"/>		SEPD0C282D0B3B9	1000	Auto 1000
<input type="checkbox"/>		SEPD0C7B94F8EE28	123456789	Auto 1002
<input type="checkbox"/>		SEPD0C7B94F8EE28	1002	Auto 1002

完成后，如图所示，您必须在受控制的设备部分看到设备名称。

End User Configuration

Save Delete Add New

Device Information

Controlled Devices: SEP0026CB3DC691

Available Profiles: ...

Device Association

Line Appearance Association for Presence

选择设备的主分机，如下图所示：

Directory Number Associations

Primary Extension: 9998

选中Enable Mobility复选框。如果需要，您还可以修改Maximum Wait Time for Desk Pickup和Remote Destination Limit。此外，在图中还可以看到默认值：

Mobility Information

Enable Mobility

Enable Mobile Voice Access

Maximum Wait Time for Desk Pickup*: 10000


Remote Destination Limit*: 4

远程目标配置文件配置


为最终用户创建远程目标配置文件(RDP)。

要创建新的RDP配置文件，请导航到Device > Device Settings > Remote Destination Profile > Add new。

Remote Destination Profile Configuration

 Save

Status

 Status: Ready

Remote Destination Profile Information

Name*	RDP-Sankalp
Description	
User ID*	sankalp
Device Pool*	Default
Calling Search Space	< None >
AAR Calling Search Space	< None >
User Hold Audio Source	< None >
Network Hold MOH Audio Source	< None >
Privacy*	Default
Rerouting Calling Search Space	< None >
Calling Party Transformation CSS	< None >
<input checked="" type="checkbox"/> Use Device Pool Calling Party Transformation CSS	
User Locale	< None >
Network Locale	< None >
<input type="checkbox"/> Ignore Presentation Indicators (internal calls only)	

Do Not Disturb

Do Not Disturb

DND Option* Call Reject

Save

Click Save.现在，您可以看到添加新的电话号码(DN)的选项。

点击Add a new DN以导航到目录号码配置，您需要指定与RDP关联的台式电话的目录号码。Click Save.

Remote Destination Profile Configuration

Save Delete Copy Add New

Add successful

Association Information

1	Line [1] - Add a new DN
---	-------------------------

Remote Destination Profile Information

Name* RDP-Sankalp

Description

User ID* sankalp

Device Pool* Default

Calling Search Space test

AAR Calling Search Space < None >

User Hold Audio Source 1-SampleAudioSource

Network Hold MOH Audio Source 1-SampleAudioSource

Privacy* Default

Rerouting Calling Search Space test

Calling Party Transformation CSS test

Use Device Pool Calling Party Transformation CSS

User Locale < None >

Network Locale < None >

Ignore Presentation Indicators (internal calls only)

Associated Remote Destinations

[Add a New Remote Destination](#)

Do Not Disturb

Do Not Disturb

DND Option* Call Reject

此外，还必须了解CUCM是否尝试通过重路由呼叫搜索空间到达远程目标。

Directory Number Configuration

Save Delete Reset Apply Config Add New

Status

Update successful

Directory Number Information

Directory Number* 9998 Urgent Priority

保存电话号码后，请根据“重新路由”呼叫搜索空间指定正确的CSS。单击Add a New Remote Destination，如图所示：

Remote Destination Profile Configuration

Save Delete Copy Add New

Status
 Status: Ready

Association Information

1	Line [1] - 9998 (no partition)
2	Line [2] - Add a new DN

Remote Destination Profile Information

Name* RDP-Sankalp

Description

User ID* sankalp

Device Pool* Default

Calling Search Space test

AAR Calling Search Space < None >

User Hold Audio Source 1-SampleAudioSource

Network Hold MOH Audio Source 1-SampleAudioSource

Privacy* Default

Rerouting Calling Search Space test

Calling Party Transformation CSS test

Use Device Pool Calling Party Transformation CSS

User Locale < None >

Network Locale < None >

Ignore Presentation Indicators (internal calls only)

Associated Remote Destinations

[Add a New Remote Destination](#)

远程目标配置

指定Destination号码，因为这是您的远程目标号码。

确保选中Enable Unified Mobility features， Enable Single Number Reach， Enable Move to Mobile复选框。

一号通语音邮件策略提供两个选项：

- 计时器控制（默认）
- 用户控制

在Timer Information 部分下，指定远程目标振铃之前的延迟时间。

如果需要远程目标立即振铃，您可以将Wait*设置为零。

校准远程目标的服务提供商将呼叫发送到远程目标的语音邮件的时间也很重要。可以将Stop ringing this phone after值设置为小于该值，以确保呼叫不会转到手机的语音邮件。此时间值是针对之后停止对此电话振铃指定的。

在以前的Call Manager版本中，这些参数有不同的名称：

- 振铃前延迟计时器
- 应答过快计时器
- 应答过慢计时器

Remote Destination Configuration

Save

Status
 Status: Ready

Remote Destination Information

Name: RDP-Sankalp
 Destination Number*: 9008815186
 Owner User ID*: sankalp

Enable Unified Mobility features
 Remote Destination Profile*: RDP-Sankalp
 Single Number Reach Voicemail Policy*: Use System Default

Enable Single Number Reach
 Ring this phone and my business phone at the same time when my business line(s) is dialed.

Enable Move to Mobile
 If this is a mobile phone, transfer active calls to this phone when the mobility button on your Cisco IP Phone is pressed.

Enable Extend and Connect
 Allow this phone to be controlled by CTI applications (e.g. Jabber)
 CTI Remote Device*: -- Not Selected --

Timer Information

Wait* 4.0 seconds before ringing this phone when my business line is dialed.*
 Prevent this call from going straight to this phone's voicemail by using a time delay of* 1.5 seconds to detect when calls go straight to voicemail.*
 Stop ringing this phone after* 19.0 seconds to avoid connecting to this phone's voicemail.*

如果为用户控制配置了SNR语音邮件策略，则计时器信息会发生变化，如图所示：

Single Number Reach Voicemail Policy* User Control

Enable Single Number Reach
 Ring this phone and my business phone at the same time when my business line(s) is dialed.

Enable Move to Mobile
 If this is a mobile phone, transfer active calls to this phone when the mobility button on your Cisco IP Phone is pressed.

Enable Extend and Connect
 Allow this phone to be controlled by CTI applications (e.g. Jabber)
 CTI Remote Device* -- Not Selected --

Timer Information

Wait* 4.0 seconds before ringing this phone when my business line is dialed.*
 Prevent this call from going straight to this phone's voicemail by requiring you to respond to a prompt to be connected.
 Stop ringing this phone after* 19.0 seconds to avoid connecting to this phone's voicemail.*

如果需要根据时间和日期限制SNR配置，可根据需要修改这些选项。如果不需要应用任何限制，振铃计划可以设置为All time，并且When receiving a call during the ring schedule可以设置为Always ring this destination。

完成远程目标的配置后，单击Save。

When Single Number Reach is Enabled

Ring Schedule

All the time

As specified below

Monday All Day No Office Hours to No Office Hours

Tuesday All Day No Office Hours to No Office Hours

Wednesday All Day No Office Hours to No Office Hours

Thursday All Day No Office Hours to No Office Hours

Friday All Day No Office Hours to No Office Hours

Saturday All Day No Office Hours to No Office Hours

Sunday All Day No Office Hours to No Office Hours

Time Zone* (GMT) Etc/GMT

When receiving a call during the above ring schedule

Always ring this destination

Ring this destination only if caller is in -- Not Selected -- [View Details](#)

Do not ring this destination if caller is in -- Not Selected -- [View Details](#)

选中行旁边的复选框，然后单击Save。

Remote Destination Configuration Related

Save Delete Copy Add New

Status
Add successful

Remote Destination Profile

Line	Line Association
Line [1] - 9998 (no partition)	<input checked="" type="checkbox"/>

Remote Destination Information

Name: RDP-Sankalp

Destination Number*: 9008815186

Owner User ID*: sankalp

Enable Unified Mobility features

Remote Destination Profile*: RDP-Sankalp

Single Number Reach Voicemail Policy*: Use System Default

Enable Single Number Reach
Ring this phone and my business phone at the same time when my business line(s) is dialed.

Enable Move to Mobile
If this is a mobile phone, transfer active calls to this phone when the mobility button on your Cisco IP Phone is pressed.

Enable Extend and Connect
Allow this phone to be controlled by CTI applications (e.g. Jabber)
CTI Remote Device*: -- Not Selected --

Timer Information

Wait* 4.0 seconds before ringing this phone when my business line is dialed.*

Prevent this call from going straight to this phone's voicemail by using a time delay of* 1.5 seconds to detect when calls go straight to voicemail.*

Stop ringing this phone after* 19.0 seconds to avoid connecting to this phone's voicemail.*

验证

使用本部分可确认配置能否正常运行。

验证远程目标配置文件的名称，该名称反映在End user页面上。

Mobility Information

Enable Mobility

Enable Mobile Voice Access

Maximum Wait Time for Desk Pickup*

Remote Destination Limit*

Remote Destination Profiles

[View Details](#)

在目录编号页面，您必须在关联设备部分看到远程目标配置文件名称。

Directory Number Configuration

Save Delete Reset Apply Config Add New

Status

Status: Ready

Directory Number Information

Directory Number* Urgent Priority

Route Partition

Description

Alerting Name

ASCII Alerting Name

External Call Control Profile

Allow Control of Device from CTI

Associated Devices

[Edit Device](#)

[Edit Line Appearance](#)

通过拨号号码分析执行测试，以检查呼叫管理器是否根据配置将呼叫定向到远程目标。

为执行拨号号码分析，请导航到Cisco Unified Serviceability > Tools > Dialed Number Analyzer > Analysis > Phones > Find > Choose the calling phone。

指定台式电话的目录号码，然后点击Do Analysis。

Analyzer Input

Dialed Digit Settings

Directory URI

Dialed Digits

Pattern Analysis SIP Analysis

Domain Route

IP Route

Date and Time Settings

Time Zone

Date - - (YYYY - MMM - DD)

Time - - - (HH : MM : SS : MS)

在Analysis输出中，呼叫会与台式电话一起扩展到RDP，从而确认SNR配置的最终效果。

DNA Analysis Output

Cisco Unified Communications Manager Dialed Number Analyzer Results

▼ **Results Summary**

- ▼ **Calling Party Information**
 - **Calling Party** = 1002
 - **Partition** =
 - **Device CSS** =
 - **Line CSS** =
 - **AAR Group Name** =
 - **AAR CSS** =
 - **Dialed Digits** = 9998
 - **Match Result** = RouteThisPattern
- ▼ **Matched Pattern Information**
 - **Pattern** = 9998
 - **Partition** =
 - **Time Schedule** =
- **Called Party Number** = 9998

▼ **Device :Type= Cisco 7975**

- **Device Status** = UnKnown
- **Device Name** = SEP0026CB3DC691

▼ **Device :Type= Remote Destination Profile**

- **Device Status** = UnKnown
- **Device Name** = RDP-Sankalp
- **Ignore Presentation Indicators** = Disabled
- **Logged Into Hunt Groups** = Disabled
- **Alerting Name** =
- **Dual Mode** = Disabled

故障排除

当前没有故障排除此配置的特定可用资料。

关于此翻译

思科采用人工翻译与机器翻译相结合的方式将此文档翻译成不同语言，希望全球的用户都能通过各自的语言得到支持性的内容。

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