

Mobile Connect: Single Number Reach for Site B Phone1 & HQ Phone1

« PLUS (+) Dialing For HQ Site (</workbook/view/ccie-collaboration/task/plus-dialing-for-hq-site-MzAzOA%3D%3D>) | CUCM Features – Call Park & Directed Call Park (</workbook/view/ccie-collaboration/task/cucm-features-call-park-directed-call-park-MzAOMA%3D%3D>) »

Last updated: November 13, 2017

Tasks

For Site B

- Enable Single Number reach on Site B Phone 1. Configure 3101 on second Line of Site B Phone 1. When 3101 calls 3001, the call should ring both Site B Phone 1 on Line 1 and the Site B PSTN number at 6043000. User should be able to answer the call from either Site B Phone 1 or from PSTN phone. If the PSTN phone answers the call, Site B Phone 1 should go on "HOLD" mode. If the call is answered by Site B Phone 1, the PSTN phone should stop ringing.
- Create user **sitebone** for Mobility (SNR) Feature

Note:

[On Site B Phone 1 Line 4, configure a button to toggle this feature ON/OFF](#)

- Also configure phone softkey template to switch between Mobility states ONHOOK/CONNECTED

For HQ Phone 2

- Enable Single Number reach on HQ Phone 2. Configure 2102 on second Line of HQ Phone 2. When 2102 calls 2002, the call should ring both HQ Phone 2 on Line 1 and the HQ PSTN number at 5032000. User should be able to answer the call from either HQ Phone 2 or from PSTN phone HQ Line. If the PSTN phone answers the call, HQ Phone 2 should go on "HOLD" mode. If the call is answered by HQ Phone 2, the PSTN phone should stop ringing.
- Create user **hqtwo** for Mobility (SNR) Feature

Note:

[On HQ Phone 2 Line 4, configure a button to toggle this feature ON/OFF](#)

Configuration: [Click to collapse](#)

Site B – Publisher

Device > Phone Configure Line 2 for 3101

Phone Configuration

Save
 Delete
 Copy
 Reset
 Apply

Status

Status: Ready

Association Information

[Modify Button Items](#)

1	7718 Line [1] - 3001 (no partition) 7719
2	7718 Line [2] - 3101 (no partition) 7719

Directory Number Configuration

Save
 Delete
 Reset
 Apply Config
 Add New

Status

Status: Ready

Directory Number Information

Directory Number*

Route Partition

Description

Alerting Name

ASCII Alerting Name

Allow Control of Device from CTI

Associated Devices [Edit Device](#)

▼ ▲

Dissociate Devices

[Edit Line Appearance](#)

Device > Device Settings > Phone Button Template

Phone Button Template Configuration

Save
 Delete
 Copy
 Reset
 Apply Config
 Add New

Status

Status: Ready

Phone Button Template Information

Button Template Name*

Button	Feature	Label
1	Line **	Line
2	Line	Line
3	Speed Dial	Speed Dial
4	Mobility	Mobility

Device > Device Settings > Softkey Template (Copy Standard User Template)

Softkey Template Configuration

Save
 Delete
 Copy
 Add New
 Reset
 Apply Config

Status

Status: Ready

Softkey Template Information

Name*

Description

Applications*

Default Softkey Template

Related Links:

Softkey Template Configuration

Save
 Reset
 Apply Config

Status

Status: Ready

Notes

Use this window to specify the Softkeys and their relative order for any phone models that support downloadable Softkey for a particular phone, refer to the administration guide for the phone. If you choose a Softkey that is not supported by t

Softkey Layout Configuration

Softkey Template: SoftkeyTemplate-Mobility

Select a call state to configure

Unselected Softkeys

- Call Back (CallBack)
- Conference List (ConfList)
- Direct Transfer (DirTrfr)
- Group Pick Up (GPickUp)
- HLog (HLog)
- Immediate Divert (iDivert)
- Join (Join)
- Meet Me (MeetMe)
- Other Pickup (oPickup)
- Pick Up (PickUp)
- Quality Report Tool (QRT)
- Remove Last Conference Party (RmLstC)
- Select (Select)
- Toggle Do Not Disturb (DND)
- Undefined (Undefined)
- Video Mode Command (VidMode)

Selected Softkeys (ordered by position)**

- Redial (Redial)
- **NewCall (NewCall)
- Forward All (CfwdAll)
- Mobility (Mobility)

Softkey Template Configuration

Save
 Reset
 Apply Config

Status

Status: Ready

Notes

Use this window to specify the Softkeys and their relative order for any phone models that support downloadable Softkey for a particular phone, refer to the administration guide for the phone. If you choose a Softkey that is not supported by t

Softkey Layout Configuration

Softkey Template: SoftkeyTemplate-Mobility

Select a call state to configure

Unselected Softkeys

- HLog (HLog)
- Immediate Divert (iDivert)
- Quality Report Tool (QRT)
- Record (Record)
- Remove Last Conference Party (RmLstC)
- Toggle Do Not Disturb (DND)
- Toggle Malicious Call Trace (MCID)
- Undefined (Undefined)

Selected Softkeys (ordered by position)**

- Hold (Hold)
- End Call (EndCall)
- Mobility (Mobility)
- Transfer (Trnsfer)
- Park (Park)
- Conference (Confn)
- Conference List (ConfList)
- Select (Select)
- Join (Join)
- Direct Transfer (DirTrfr)
- Video Mode Command (VidMode)

End User Configuration

Save Delete Add New

Status

Status: Ready

User Information

User Status: Active Local User

User ID*: sitebone

Password: [Edit Credential](#)

Confirm Password:

PIN: [Edit Credential](#)

Confirm PIN:

Last name*: one

Middle name:

First name: siteb

Directory URI:

Telephone Number:

Mail ID:

Manager User ID:

Service Settings

Home Cluster

Enable User for Unified CM IM and Presence (Configure IM and Presence in the associated UC Service Profile)

UC Service Profile: [View Details](#)

Device Information

Controlled Devices: [Device Association](#)
Line Appearance Association for Presence

Available Profiles:

CTI Controlled Device Profiles:

Extension Mobility

Available Profiles:

Controlled Profiles:

Default Profile:

BLF Presence Group*:

SUBSCRIBE Calling Search Space:

Allow Control of Device from CTI

Enable Extension Mobility Cross Cluster

Directory Number Associations

Primary Extension:

Mobility Information

Enable Mobility

Enable Mobile Voice Access

Maximum Wait Time for Desk Pickup*:

Remote Destination Limit*:

Remote Destination Profiles:

[View Details](#)

Multilevel Precedence and Preemption Authorization

MLPP User Identification Number:

MLPP Password:

Confirm MLPP Password:

MLPP Precedence Authorization Level:

CAPF Information
 Associated CAPF Profiles [View Details](#)

Permissions Information

Groups	Standard CCM End Users Standard CTI Enabled	View Details	Add to Access Control Group	Remove from Access Control Group
Roles	Standard CCM End Users Standard CCMUSER Administration Standard CTI Enabled	View Details		

Save **Delete** **Add New**

Device > Device Settings > Remote Destination Profile

Remote Destination Profile Configuration

Save **Delete** **Copy** **Add New**

Status
 Status: Ready

<p>Association Information</p> <ul style="list-style-type: none"> 1 Line [1] - 3001 (no partition) 2 Line [2] - Add a new DN 	<p>Remote Destination Profile Information</p> <p>Name* RDP-sitebone</p> <p>Description</p> <p>User ID* sitebone</p> <p>Device Pool* DP-SiteB-Phones</p> <p>Calling Search Space < None ></p> <p>User Hold Audio Source < None ></p> <p>Network Hold MOH Audio Source < None ></p> <p>Privacy* Default</p> <p>Rerouting Calling Search Space < None ></p> <p>Calling Party Transformation CSS < None ></p> <p><input checked="" type="checkbox"/> Use Device Pool Calling Party Transformation CSS</p> <p>User Locale < None ></p> <p><input type="checkbox"/> Ignore Presentation Indicators (internal calls only)</p>
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Associated Remote Destinations

Name	Destination Number
RD-sitebone	96043000
Add a New Remote Destination	

Do Not Disturb

Do Not Disturb

DND Option* **Call Reject**

Device > Remote Destination

Remote Destination Configuration

Save **Delete** **Copy** **Add New**

Status
 Update successful

<p>Association Information</p> <table border="1"> <thead> <tr> <th>Line</th> <th>Line Association</th> </tr> </thead> <tbody> <tr> <td>Line [1] - 3001 (no partition)</td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table>	Line	Line Association	Line [1] - 3001 (no partition)	<input checked="" type="checkbox"/>	<p>Remote Destination Information</p> <p>Name RD-sitebone</p> <p>Destination Number* 96043000</p> <p>Single Number Reach Voicemail Policy* Use System Default</p> <p>Answer Too Soon Timer* 1500</p> <p>Answer Too Late Timer* 19000</p> <p>Delay Before Ringing Timer* 4000</p> <p>Remote Destination Profile* RDP-sitebone</p> <p><input checked="" type="checkbox"/> Mobile Phone</p> <p><input checked="" type="checkbox"/> Enable Mobile Connect</p>
Line	Line Association				
Line [1] - 3001 (no partition)	<input checked="" type="checkbox"/>				

Device > Phone

<p>6 Add a new SP</p> <p>..... Add On Module(s)</p> <p>7 None</p> <p>8 None</p> <p>9 None</p> <p>10 None</p> <p>11 None</p> <p>12 None</p>	<p><input checked="" type="checkbox"/> Device is active</p> <p><input checked="" type="checkbox"/> Device is trusted</p> <p>MAC Address* 64AEC5F9D4C</p> <p>Description Site B Phone 1</p> <p>Device Pool* DP-Phones View Details</p> <p>Common Device Configuration < None > View Details</p> <p>Phone Button Template* PhoneButtonTemplate-Mobility</p> <p>Softkey Template SoftkeyTemplate-Mobility</p>
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Owner User ID

sitebone

R2 – Site B Gateway

```
voice translation-profile LOCAL
translate redirect-called 9303
```

Ensure redirecting number command is configured under serial interface 0/1/0:23

> Verification

CONTENTS

R2 - H323 Gateway

```
debug isdn q931
```

Enable Mobility on Site B Phone 1.

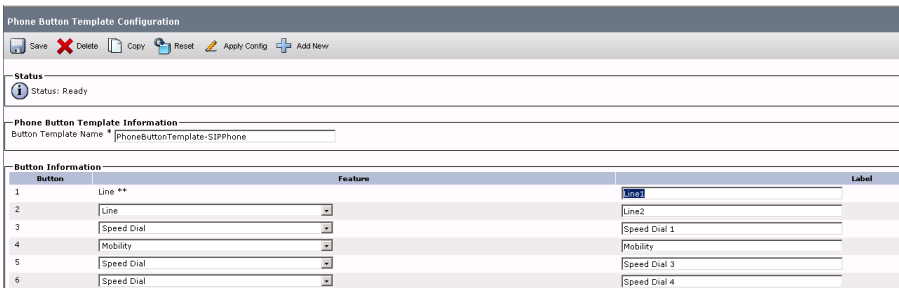
Call from Test Line 3101 to 3001.

You should be able to see the following output,

```
Called Party Number
Redirecting Number
Calling Number
```

HQ – Publisher

Device > Device Settings > Phone Button Template (Copy Standard 9971 SIP)



Phone Button Template Configuration

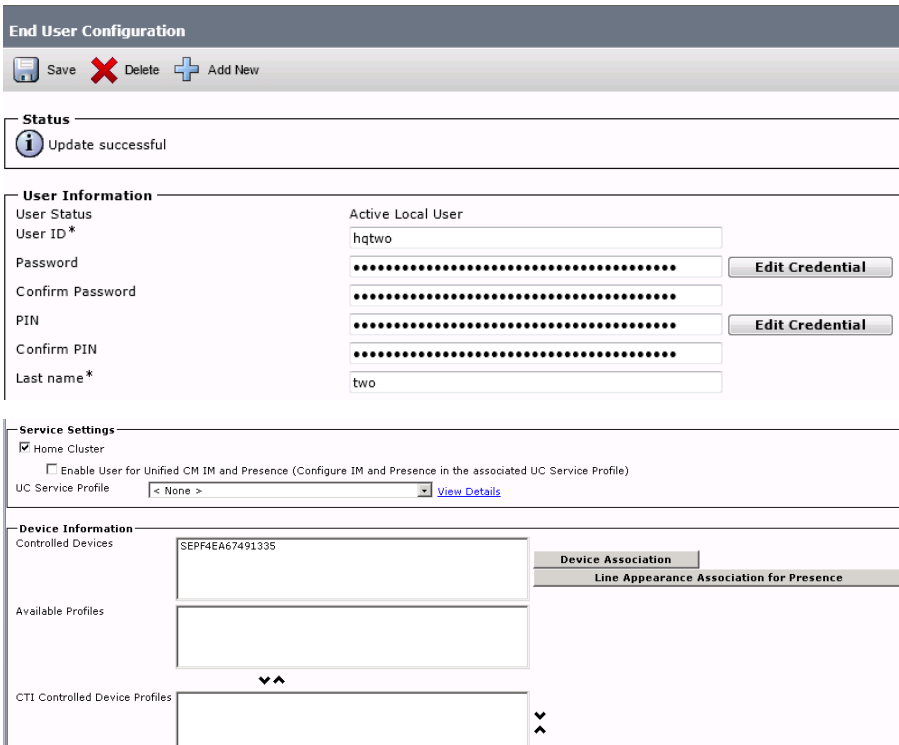
Save Delete Copy Reset Apply Config Add New

Status: Ready

Phone Button Template Information
Button Template Name * PhoneButtonTemplate-SIPPhone

Button	Line	Feature	Label
1	Line **		9901
2	Line		Line2
3	Speed Dial		Speed Dial 1
4	Mobility		Mobility
5	Speed Dial		Speed Dial 3
6	Speed Dial		Speed Dial 4

User Management > End User



End User Configuration

Save Delete Add New

Status: Update successful

User Information

User Status: Active Local User

User ID * hqtwo

Password: [Redacted] Edit Credential

Confirm Password: [Redacted]

PIN: [Redacted] Edit Credential

Confirm PIN: [Redacted]

Last name * two

Service Settings

Home Cluster

Enable User for Unified CM IM and Presence (Configure IM and Presence in the associated UC Service Profile)

UC Service Profile: < None > View Details

Device Information

Controlled Devices: SEPF4EA67491335

Available Profiles: [Redacted]

CTI Controlled Device Profiles: [Redacted]

Device Association: Line Appearance Association for Presence

Default Profile -- Not Selected --

BLF Presence Group* Standard Presence group

SUBSCRIBE Calling Search Space < None >

Allow Control of Device from CTI

Enable Extension Mobility Cross Cluster

Directory Number Associations

Primary Extension 2002

IPCC Extension < None >

Mobility Information

Enable Mobility

Enable Mobile Voice Access

Maximum Wait Time for Desk Pickup* 10000

Remote Destination Limit* 4

Multilevel Precedence and Preemption Authorization

MLPP User Identification Number

MLPP Password

Confirm MLPP Password

MLPP Precedence Authorization Level Routine

CAPF Information

Associated CAPF Profiles [View Details](#)

Permissions Information

Groups

- Standard CCM End Users
- Standard CTI Allow Control of Phones supporting Con
- Standard CTI Enabled

[View Details](#)

Roles

- Standard CCM End Users
- Standard CCMUSER Administration
- Standard CTI Allow Control of Phones supporting Con
- Standard CTI Enabled

[View Details](#)

Device > Phone **(Assign the phone template created to the HQ Phone 2 and the Owner User ID Field)**

Device > Phone **(Go to Line 2 of HQ Phone 2 and assign extension 2102 on Line 2. Assign External Phone Number Mask.)**

Device > Device Settings > Remote Destination Profile **(Assign the Re-Routing CSS)**

Remote Destination Profile Configuration

Status

Status: Ready

Remote Destination Profile Information

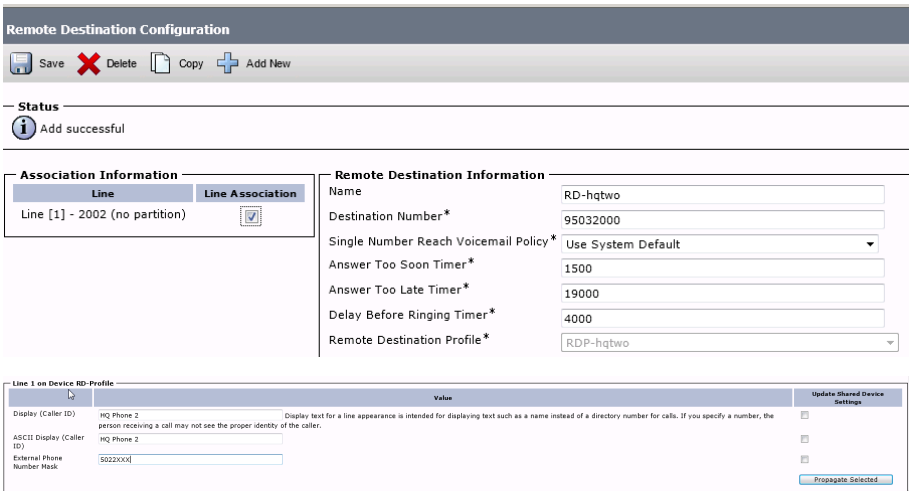
Name* RDP-hqtwo

Description

User ID* hqtwo

Device Pool* DP-HQ-PHONES

Relouting Calling Search Space CSS-Common-Int



Create a Partition **PT-CallingXform-SNR** and create the corresponding **CSS**.
 Create a Calling Party Transformation Pattern as follows:

Pattern	(This number should be the same as the External Phone Number Mask in RDP)
Partition	
Calling Party Number Type	
Calling Party Number Plan	

Apply the Calling Party Transformation CSS to the MGCP Gateway Endpoint in the field **Redirecting Party Transformation CSS**
 Uncheck the box Use Device Pool Calling Party Transformation CSS.

Verification

Enable Mobility on HQ Phone 2 of the SIP phone.
 From Line 2 (2102) of HQ Phone 2 dial 2002.
 The output should be as follows:

Calling Number
Called Number
Redirecting Number

« PLUS (+) Dialing For HQ Site (/workbook/view/ccie-collaboration/task/plus-dialing-for-hq-site-MzAzOA%3D%3D) | CUCM Features – Call Park & Directed Call Park (/workbook/view/ccie-collaboration/task/cucm-features-call-park-directed-call-park-MzAOMA%3D%3D) »