

## SRST & MGCP Fallback for HQ Site

« CUCM Features – Hunting (</workbook/view/ccie-collaboration/task/cucm-features-hunting-MzA0NA%3D%3D>) | SRST for Site B (</workbook/view/ccie-collaboration/task/srst-for-site-b-MzA0Ng%3D%3D>) »

Last updated: November 13, 2017

### Tasks

Assuming there is connectivity broken for HQ Phones to HQ CUCM cluster configure HQ Phones to fallback from HQ CUCM cluster to HQ Gateway R1







- Configure SRST for both SCCP & SIP IP Phones at HQ site and MGCP fallback for HQ Gateway.
- Ensure the message on phones in SRST mode is " **SRST Temp Mode**"
- Ensure your Emergency/Local/National/International Dialing works in SRST.
- Make sure HQ Phones can dial Site B Phones using 4 digits in SRST mode via PSTN.

### Configuration: [Click to collapse](#)

#### HQ – Publisher


System > SRST Reference

#### SRST Reference Configuration

 Save  Delete  Copy  Reset  Apply Config  Add New

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#### Status

 Add successful

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



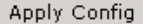

#### SRST Reference Status

SRST Reference: HQ-SRST (used by 0 devices)

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#### SRST Reference Information

|  |  |
|--|--|
| Name*                                    | <input type="text" value="HQ-SRST"/>       |
| Port*                                    | <input type="text" value="2000"/>          |
| IP Address*                              | <input type="text" value="11.102.64.254"/> |
| SIP Network/IP Address                   | <input type="text" value="11.102.64.254"/> |
| SIP Port*                                | <input type="text" value="5060"/>          |
| SRST Certificate Provider Port*          | 2445                                       |
| <input type="checkbox"/> Is SRST Secure? |  |

 Save  Delete  Copy  Reset  Apply Config  Add New

System > Device Pool ([Go to DP-HQ-Phones](#))

|                           |          |
|---------------------------|----------|
| Media Resource Group List | < None > |
| Location                  | < None > |
| Network Locale            | < None > |
| SRST Reference*           | HQ-SRST  |

**Save and Reset the Device Pool**

HQ – R1

CONTENTS >

```
call-manager-fallback
  secondary-dialtone 9
  timeouts interdigit 5
  ip source-address 11.102.64.254
  max-ephones 10
  max-dn 20 octo-line
  system message primary SRST Temp Mode
  date-format mm-dd-yy
  time-format 12
  time-zone 5
!
voice register global
  timeouts interdigit 5
  system message SRST Temp Mode
  max-dn 20
  max-pool 10
  timezone 5
!
voice register pool 1
  id network 11.102.64.0 mask 255.255.255.0
  no vad
!
voice service voip
  allow-connections sip to sip
  sip
    registrar server
!
sip-ua
  registrar ipv4:11.102.64.254
!
ccm-manager fallback-mgcp
!
voice translation-rule 911
  rule 1 /^2...$/ /408502&/ type any national plan any isdn
!
voice translation-rule 912
  rule 1 // // type any unknown plan any isdn
!
voice translation-rule 9011
  rule 1 /^2...$/ /+1408502&/ type any international plan any isdn
!
voice translation-rule 9012
  rule 1 // // type any international plan any isdn
!
voice translation-rule 9303
  rule 1 /^2...$/ /502&/ type any subscriber plan any isdn
!
voice translation-rule 9304
  rule 1 // // type any subscriber plan any isdn
!
voice translation-rule 91408
  rule 1 /^2...$/ /408502&/ type any national plan any isdn
!
```

```
voice translation-rule 91409
rule 1 // // type any national plan any isdn
!
voice translation-rule 197233
rule 1 /.*(2...$)/ ^1/
!
voice translation-profile EMR
translate calling 911
translate called 912
!
voice translation-profile GLOBAL
translate called 197233
!
voice translation-profile INT
translate calling 9011 translate called 9012
!
voice translation-profile LOCAL translate calling 9303
translate called 9304
!
voice translation-profile NATIONAL translate calling 91408
translate called 91409
!
dial-peer voice 1 pots
translation-profile incoming GLOBAL
incoming called-number .T
direct-inward-dial
!
dial-peer voice 911 pots
translation-profile outgoing EMR
destination-pattern ^911$
no digit-strip
port 0/1/0:23
!
dial-peer voice 9303 pots
translation-profile outgoing LOCAL
destination-pattern 9[2-9].....$
port 0/1/0:23
forward-digits 7
!
dial-peer voice 91408 pots
translation-profile outgoing NATIONAL
destination-pattern 91[2-9]..[2-9].....$
port 0/1/0:23
!
dial-peer voice 9011 pots
translation-profile outgoing INT
destination-pattern 9011T
port 0/1/0:23
!
dial-peer voice 2300 pots
destination-pattern ^3...$
port 0/1/0:23
prefix 972603
translation-profile outgoing NATIONAL
```

```
!  
interface Serial0/1/0:23  
  isdn outgoing display-ie  
  isdn outgoing ie redirecting-number
```

## Verification

CONTENTS

On HQ Gateway go to interface gi0/0.10 and shutdown the interface. The phones should fallback to SRST. Test incoming and outgoing calls.

```
debug isdn q931  
show call-manager fallback  
show ephone register  
show voice register pool all
```

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