

# SIP Phones Registration with HQ Sub/Pub Redundancy

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Last updated: November 13, 2017

Before you begin with this task unshut the port GigabitEthernet 0/14 on HQ Switch

## Tasks

- Register and Configure HQ Phone 2 as SIP phone to the HQ Cluster. Ensure the phone is provisioned with TFTP redundancy such that the publisher CUCM is the backup TFTP server.
- Caller name display should be delivered on internal 4-digit calls- use trivial caller names such as **HQ Phone 2**. Use same date and time format as HQ Phone 1
- Enable the video and camera on HQ Phone 2.

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

Device > Phone

The screenshot shows the 'Phone Configuration' page for a Cisco 9971 SIP phone. The top navigation bar includes 'Auto 2002', 'Default', 'SIP', and 'Registered with 11.100.64.12'. The main content area is divided into several sections:

- Status:** Update successful
- Association Information:** A list of 8 items, including 'Line [1] - 2002 (no partition)', 'Line [2] - Add a new DN', and 'Add a new SD'.
- Phone Type:** Product Type: Cisco 9971, Device Protocol: SIP
- Device Information:** Registered with Cisco Unified Communications Manager 11.100.64.12, IP Address: 11.102.64.50, Active Load ID: sip9971.9-3-2-10, Inactive Load ID: sip9971.9-3-4-24, Download Status: Unknown, Device is Active, Device is trusted, MAC Address\*: F4E667491335, Description: HQ Phone 2
- Product Specific Configuration Layout:** A table with columns for 'Param' and 'Override Common Settings'. The 'Param' column contains dropdown menus for 'PC Port\*', 'Back USB Port\*', 'Side USB Port\*', 'Cisco Camera\*', and 'Video Capabilities\*', all set to 'Enabled'. The 'Override Common Settings' column has checkboxes for 'Back USB Port\*', 'Side USB Port\*', 'Cisco Camera\*', and 'Video Capabilities\*', all of which are checked.

Association Information > Line [1]

## Directory Number Configuration

Save Delete Reset Apply Config Add New

### Status

Update successful

### Directory Number Information

Directory Number*	2002
Route Partition	< None >
Description	HQ Phone 2
Alerting Name	HQ Phone 2
ASCII Alerting Name	HQ Phone 2
<input checked="" type="checkbox"/> Allow Control of Device from CTI	
Associated Devices	SEPF4EA67491335

[Edit Device](#)  
[Edit Line Appearance](#)

### Line 1 on Device SEPF4EA67491335

Display (Caller ID)	HQ Phone 2 <small>a call may not see the proper identity of the caller.</small>
ASCII Display (Caller ID)	HQ Phone 2
Line Text Label	
ASCII Line Text Label	
External Phone Number Mask	+14085022XXX

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