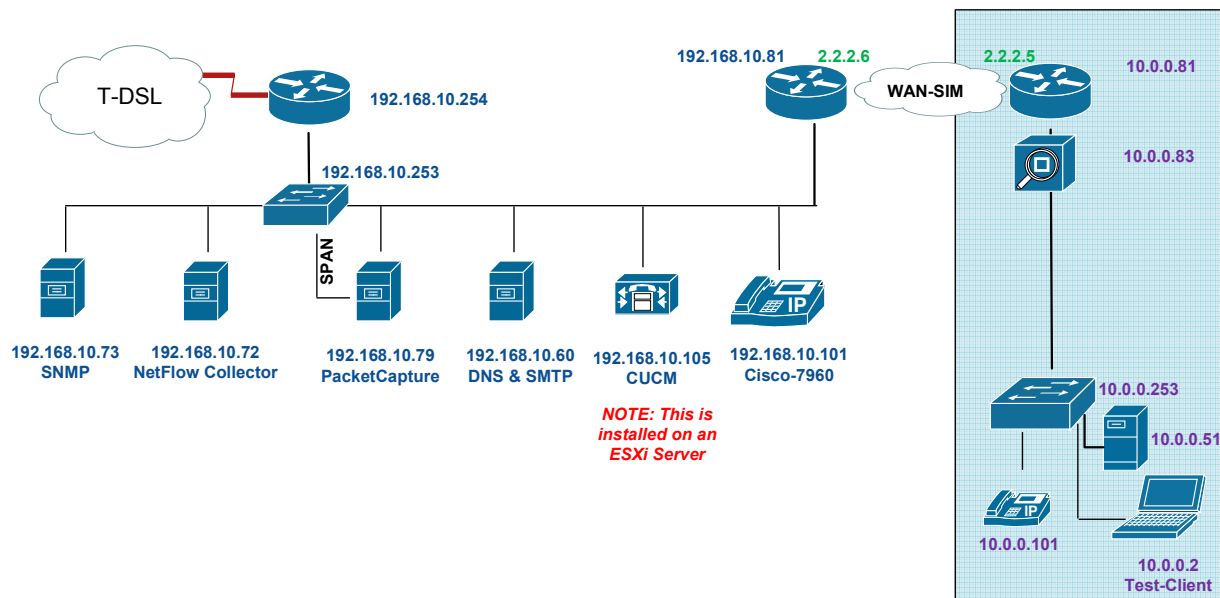


How to setup static IP Address on Cisco Phone

created by: Rainer Bemsel - Version 1.0 - Dated: Julv/09/2011

The purpose of this document is provide you a simple cheat sheet to setup static IP Addressing on a Cisco Phone. Based on my drawing, I want to add a new Cisco Phone with the IP 10.0.0.101 for being connected to my Call Manager on 192.168.10.105



In the case, you want to **reset to factory default**, here is the sequence.

You need to hold down **#** key while you power-cycle the phone.

The headset, mute, and speakerphone lights will cycle. Now, simply press the following keys:

1 2 3 4 5 6 7 8 9 * 0 #

Now, the phone will ask you whether or not you want to save your network configuration.

Save network cfg? 1=yes 2=no

I usually press 2 for no, so I can configure from scratch. The display then should say: **Factory reset initiated** and the phone should continue to boot.



DISCLAIMER

This Technical Tip or TechNote is provided as information only. I cannot make any guarantee, either explicit or implied, as to its accuracy to specific system installations / configurations. Readers should consult each Vendor for further information or support.

Although I believe the information provided in this document to be accurate at the time of writing, I reserve the right to modify, update, retract or otherwise change the information contained within for any reason and without notice. This technote has been created after studying the material and / or practical evaluation by myself. All liability for use of the information presented here remains with the user.

In the case, you just want to change the IP Address from DHCP to a static IP, here are the steps.



Note: In order to make changes, you need to unlock the configuration by typing ****#**

Complete these steps on the Cisco 7940 and 7960 to **change from DHCP to static IP**

- Choose Settings. (see picture above)
- Select 3 - Network
- Scroll down to the DHCP Enabled parameter. Unlock the phone and change to No.

Setup IP Address

- Scroll to IP Address, unlock the phone and choose edit.
- Type the new IP Address (use * to enter a dot)
- Select Validate and the new IP Address is shown in the display
- Select Save

Setup Network Mask

- Scroll to Netmask, unlock the phone and choose edit.
- Type the new Netmasks (use * to enter a dot)
- Select Validate and the new Netmask is shown in the display
- Select Save

Setup Gateway

- Scroll to Default Router 1, unlock the phone and choose edit.
- Type the new IP Address (use * to enter a dot)
- Select Validate and the new IP Address is shown in the display
- Select Save

Setup DNS (if required)

Verify if Call Manager can reach the subnet

```
admin:utils network ping 10.0.0.81
PING 10.0.0.81 (10.0.0.81) 56(84) bytes of data.
64 bytes from 10.0.0.81: icmp_seq=0 ttl=254 time=1.16 ms
64 bytes from 10.0.0.81: icmp_seq=1 ttl=254 time=1.13 ms
64 bytes from 10.0.0.81: icmp_seq=2 ttl=254 time=1.05 ms
64 bytes from 10.0.0.81: icmp_seq=3 ttl=254 time=1.07 ms

--- 10.0.0.81 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3006ms
rtt min/avg/max/mdev = 1.059/1.107/1.168/0.050 ms, pipe 2
```

admin:

Verify if Call Manager can reach the newly configured IP Phone (in my example, 10.0.0.101)

```
admin:utils network ping 10.0.0.101
PING 10.0.0.101 (10.0.0.101) 56(84) bytes of data.
64 bytes from 10.0.0.101: icmp_seq=0 ttl=62 time=2.09 ms
64 bytes from 10.0.0.101: icmp_seq=1 ttl=62 time=2.05 ms
64 bytes from 10.0.0.101: icmp_seq=2 ttl=62 time=2.10 ms
64 bytes from 10.0.0.101: icmp_seq=3 ttl=62 time=2.08 ms

--- 10.0.0.101 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3012ms
rtt min/avg/max/mdev = 2.053/2.085/2.105/0.049 ms, pipe 2
```

admin:

You should also be able to verify, if the newly changed phone has been registered with your CUCM

The screenshot shows the Cisco Unified CM Administration web interface. The main heading is "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The navigation menu includes "System", "Call Routing", "Media Resources", "Advanced Features", "Device", "Application", "User Management", "Bulk Administration", and "Help". The current page is "Find and List Phones", with a "Related Links" section containing "Actively Logged In Device Report". Below this, there are action buttons: "Add New", "Select All", "Clear All", "Delete Selected", "Reset Selected", and "Apply Config to Selected". A "Status" box indicates "3 records found". The main table, titled "Phone (1 - 3 of 3)", has a search bar and a "Rows per Page" dropdown set to 50. The table columns are: Device Name(Line), Description, Device Pool, Device Protocol, Status, IP Address, Copy, and Super Copy. The data rows are:

<input type="checkbox"/>	Device Name(Line) ^	Description	Device Pool	Device Protocol	Status	IP Address	Copy	Super Copy
<input type="checkbox"/>	7960 SEP0005E7CCD02	Rainer Bemsel 1006	Ingolstadt_DP	SCCP	Registered with 192.168.10.105	192.168.10.101		
<input type="checkbox"/>	7940 SEP00115C98C2DA	Vincent Chase 1007	Vienna_DP	SCCP	Registered with 192.168.10.105	10.0.0.101		
<input type="checkbox"/>	CIPC SEP001641AECC76	Lloyd Lee 1008	Ingolstadt_DP	SCCP	Unknown	Unknown		

