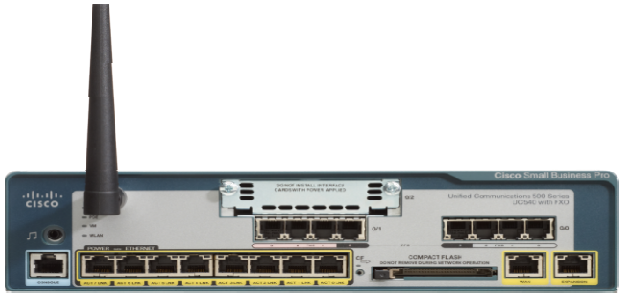
Cisco Small Business

SBCS

Technical Enablement Lab (TEL)



Phone Discovery and DN Assignment with CCA 3.0

With Call Hold Alert & Relocation of other GUI Items

Contents

Introduction 3

Configuration.....3

Introduction

In CCA 3.0 we have changed the method in which we assign DNs to new phones registering to CME in UC500. Instead of automatically assigning one of the prebuilt ephone-dns, which used to be part of the default configuration file, we now allow the phone to register, but it will remain unassigned until it is manually associated by the CCA administrator with an extension.

We have also rearranged the GUI Screens so that you will operate on one phone at a time, but have many more parameters integrated into the new user and phone screen. This also reduces the risk of a complex prerequisite command getting lost where the users is operating on multiple phones at the same time, thus improving the reliability of CCA.

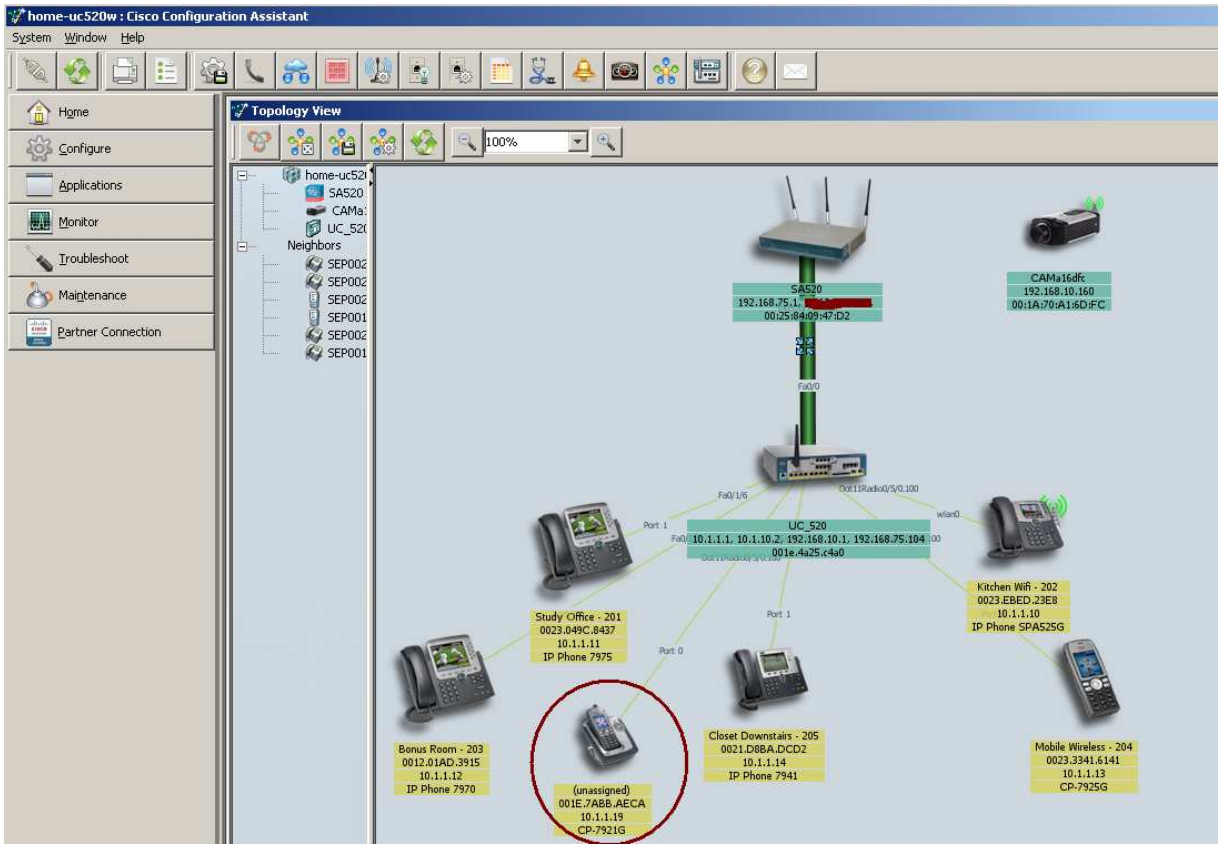
This will also make several processes simpler and easier to manage:

1) The system will no longer automatically assign an extension to a phone. This allows the partner to assign exactly the extension they desire and avoids the process of having to change the auto ephone-dn assignment since there is a good change it will not match what it needed. This also helps where there are 4 or 5 digit extensions desired, since in those deployments, we were auto assigning 3 digit extensions.
2) Staging and deployment productivity improvement will be gained if the partner doesn't wish to build the text files which include the MAC addresses of the phones and has a practice where they do in fact connect all the phones to a system in a staged environment, since the registered MAC addresses will appear in the TSW or expert mode ready to configure.

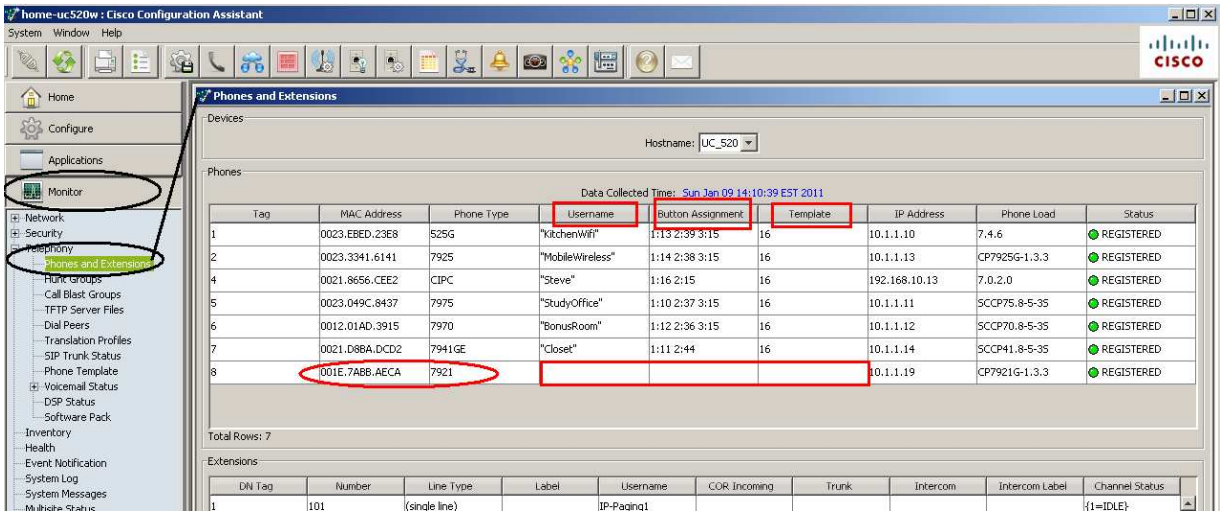
Note that for any function which doesn't require a DN, the phone will be manageable in the unassigned state (example paging which uses the MAC address).

Configuration

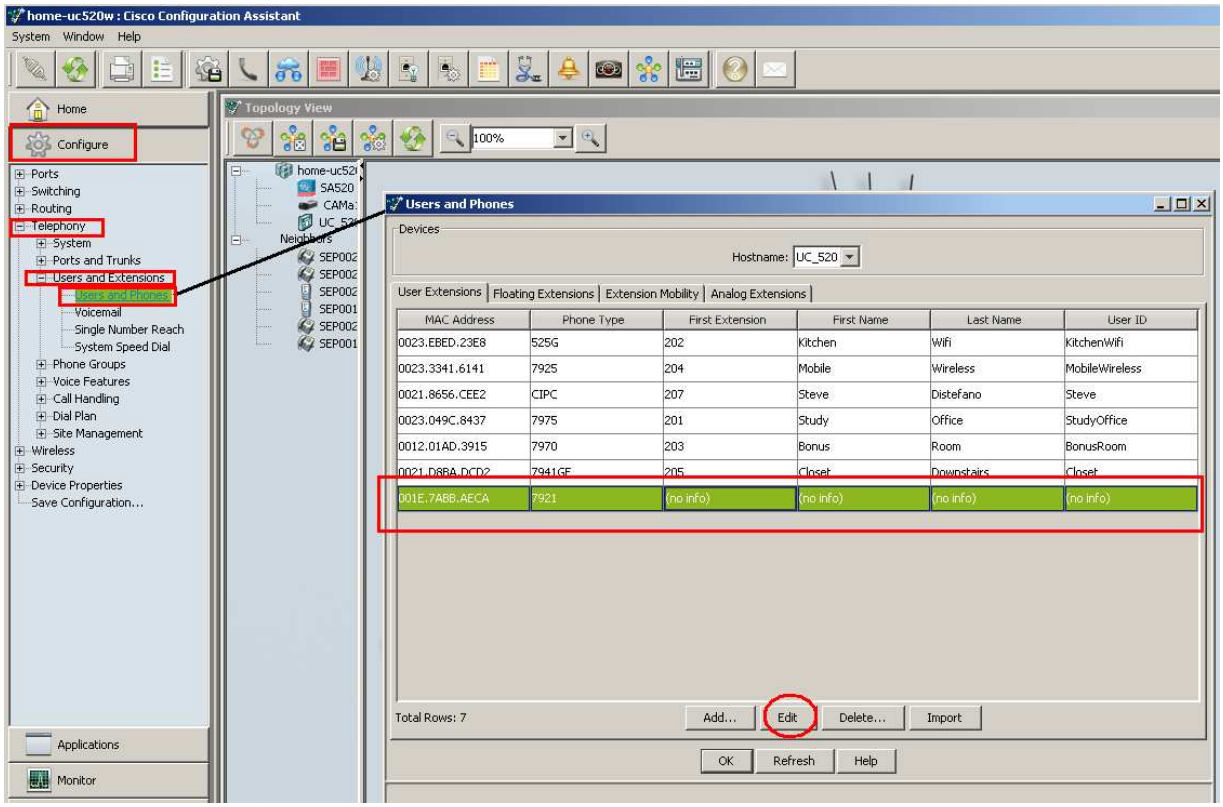
In this following example we have an unassigned phone connecting to the system, and notice that is shows up in the topology as unassigned:



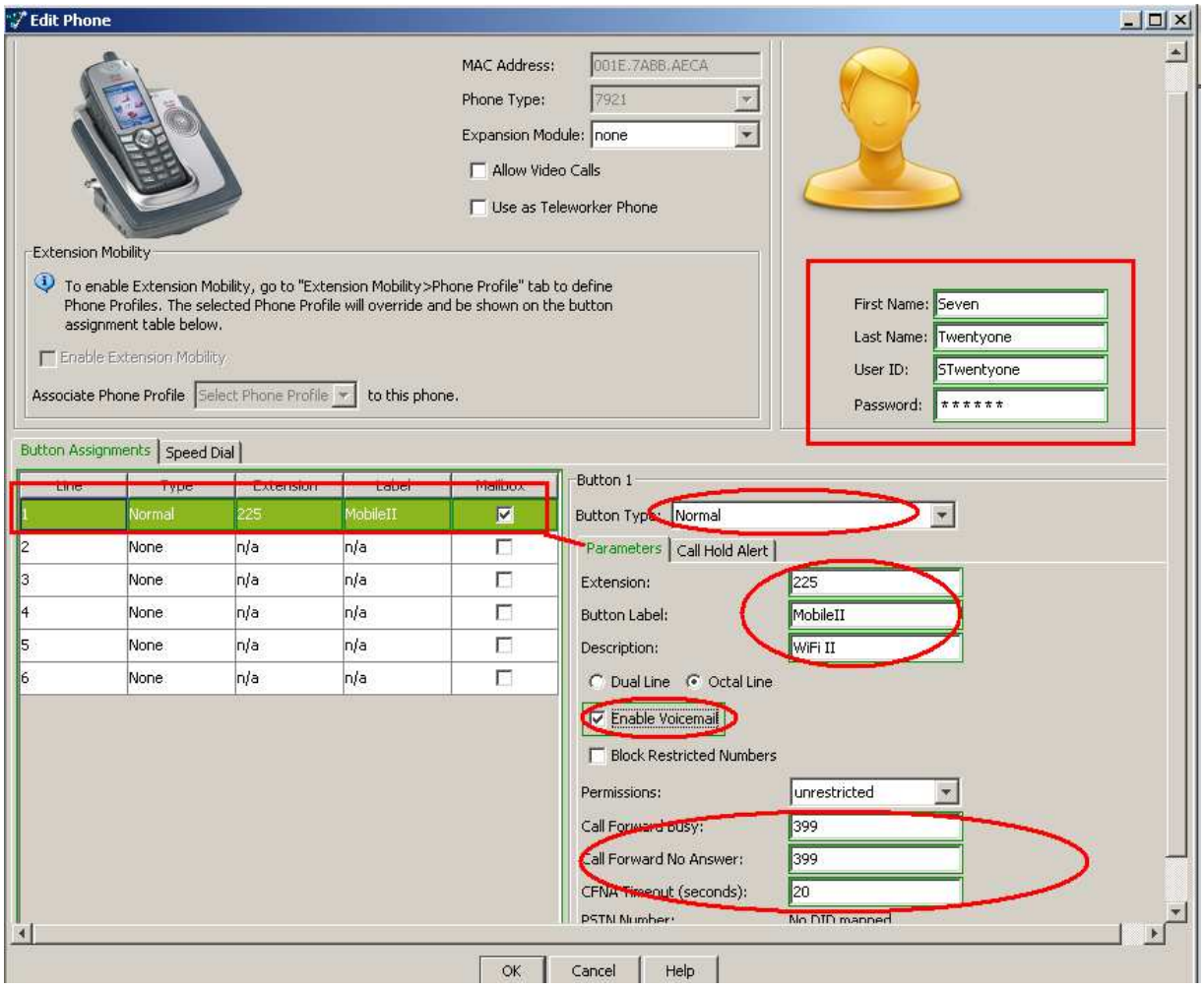
Notice if you navigate to Monitor the Phones and Extensions, this phone is registered, but has no user or extension assignment:



Now navigate to the Configuration Drawer and select Telephony> Users and Extensions> Users and Phones, and notice the new layout. Select the unassigned phone and click edit.

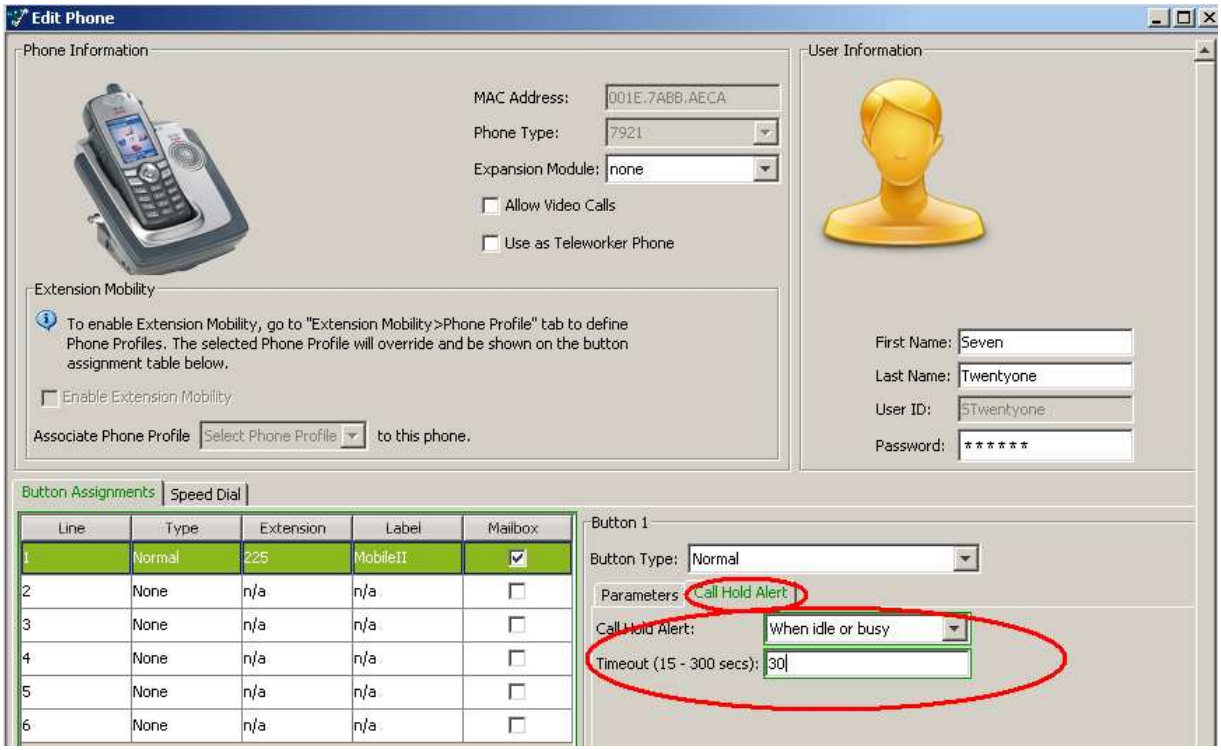


This is the new way to edit the attributes and parameters of the IP Phones.

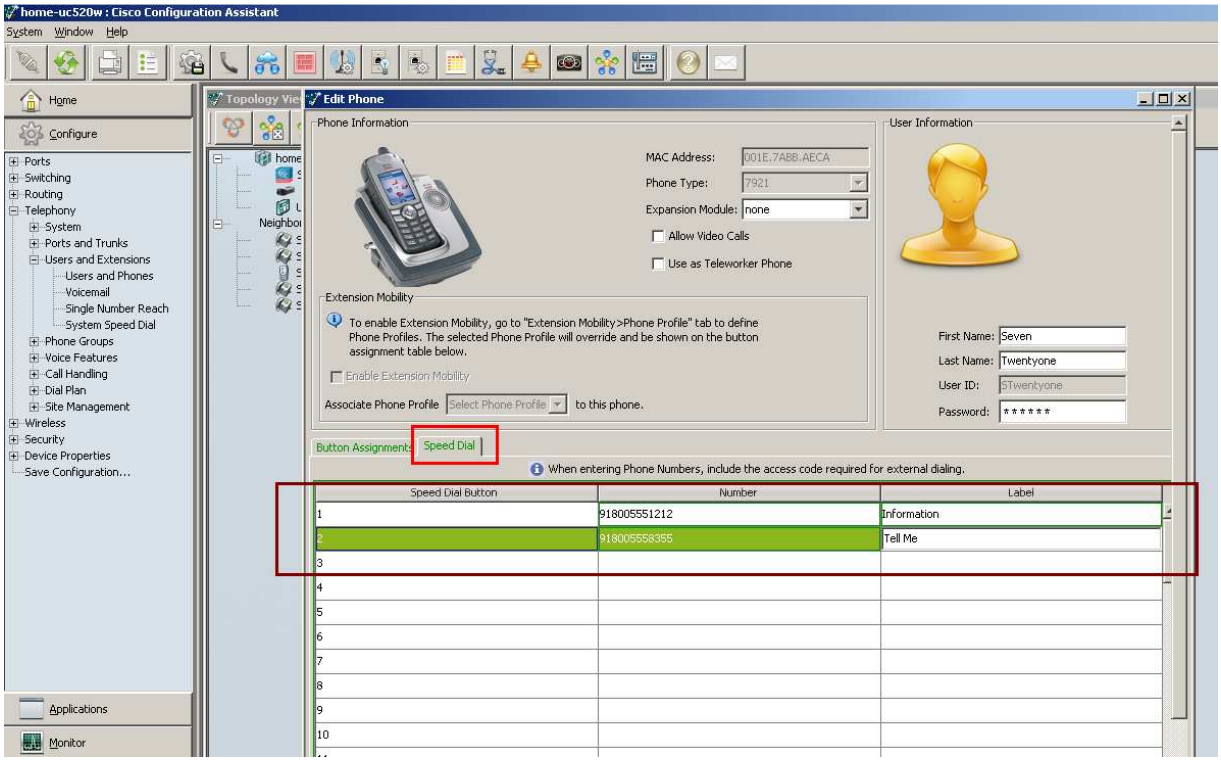


Click OK to apply the configuration to the UC 500. If you have enabled post view CLI in CCA System Preferences> Advanced, you will the CLI sent to IOS/CME configuration (please realize that this popup doesn't not reflect CUE configuration which is also part of this configuration).

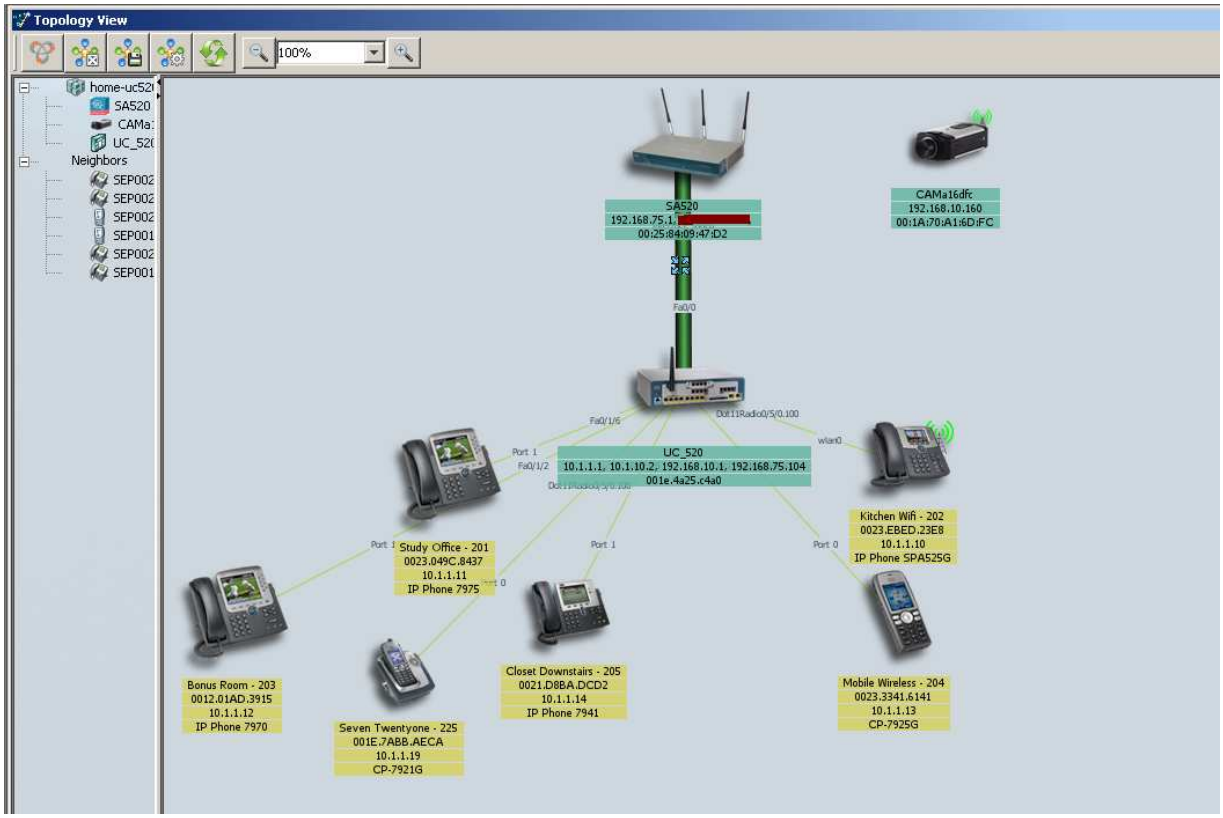
Don't forget about the new ability to have calls on HOLD to alert the phone if neglected, using the new call alert TAB, with adjustable timers and phome status:



And Speed Dial was also added here:



At this point the phone now has basic configuration and now is assigned in topology:


Topology View
100%
home-uc52
SA520
CAMa
UC_52
Neighbors
SEP002
SEP002
SEP002
SEP001
SEP002
SEP001
SA520
192.168.75.1
00:25:84:09:47:D2
CAMa16dfc
192.168.10.160
00:1A:70:A1:6D:FC
Fa0/0
Fa0/1/6
Dot11Radio0/5/0.100
Port 1
Fa0/1/2
UC_520
10.1.1.1, 10.1.10.2, 192.168.10.1, 192.168.75.104
001e.4a25.c4a0
wlan0
Kitchen Wifi - 202
0023.EBED.23E8
10.1.1.10
IP Phone SPA525G
Study Office - 201
0023.049C.8437
10.1.1.11
IP Phone 7975
Port 1
Port 0
Bonus Room - 203
0012.01AD.3915
10.1.1.12
IP Phone 7970
Seven Twentyone - 225
001E.7ABB.AECA
10.1.1.19
CP-7921G
Closet Downstairs - 205
0021.D8BA.DCD2
10.1.1.14
IP Phone 7941
Mobile Wireless - 204
0023.3341.6141
10.1.1.13
CP-7925G