Cisco Small Business Pro Smart Business Communication System Technical Enablement Labs



SPA525G Remote Phone with built in SSL VPN client

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Introduction

The SPA525G or SPA525G2 phone models can be established as Remote Teleworker phones behind any router with a public internet connection. CCA 2.2.2 introduced the wizard to make this easier to deploy. This technical enablement lab walks you through it using CCA 3.0.1.

You must configure the SPA phones at the host UC 500 before you can use them at the remote locations.

Once the phone is configured and remotely connected to the UC500, you can continue to administer it using CCA connected to the host UC500.

Prerequisites

The SPA525G phone(s) must be staged at the hosting UC 500 site using a setup wizard introduced in CCA 2.2, prior to being operated at a remote location (connected to the public internet).

In my case I am going to use a SPA525G which is already created in the host UC560 office and a new SPA525G2 that has never been configured on the system.

Connect the SPA525 phones to the UC500 (or POE switch) and make sure they are both discovered. In CCA 3.0 or later, we no longer 'auto assign' an 'ephone-DN' to it, so the new phone it will show up with the System Message in the lower left side of the display, the date and time in the upper left, and nothing more.

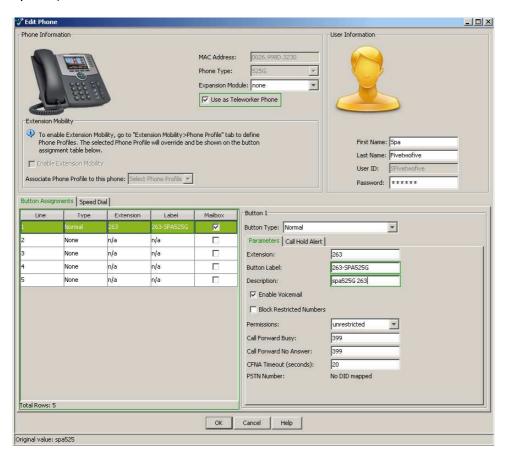
Both will appear in CCA topology; the SPA525G assigned and created, and the new SPA525G2 unassigned:



Navigate to the CCA Configuration drawer to 'Users and Extensions' and notice CCA discovered the proper phone type (G is different from G2 so don't overwrite that) and see that "NoInfo" for name, number, voicemail ...etc., is shown for the unassigned G2 phone, which you then EDIT.

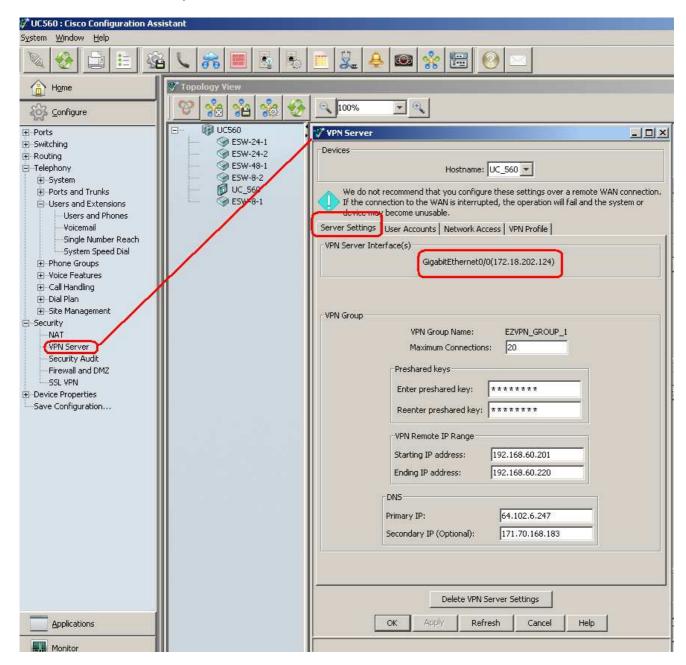


Lets check the SPA525G and make sure we check the box for Teleworker Phone (this places MTP on its ephone).



The phone will then be discovered in the CCA topology with that configuration (you can click the discover icon so you don't have to wait for the next automatic discovery).

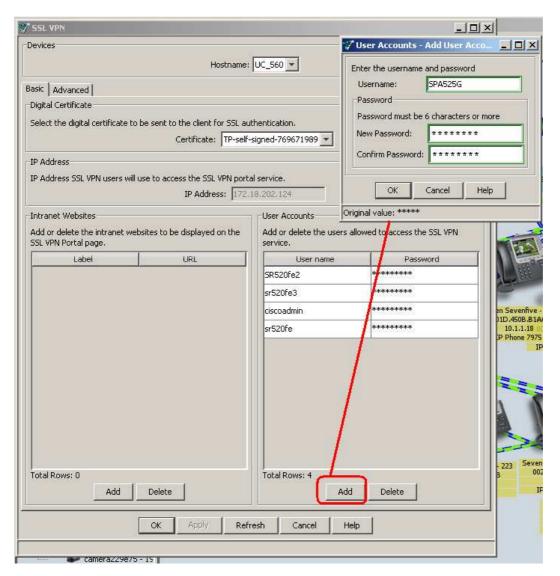
Last prerequisite is to make sure the UC500 uses a DDNS or Static WAN IP so that an SSL VPN server can be created. CCA will not allow you to create the VPN server if it detects a DHCP IP.



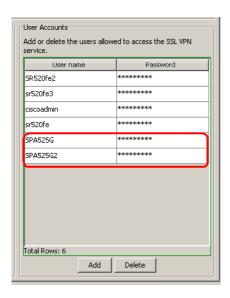
CCA Wizard Steps



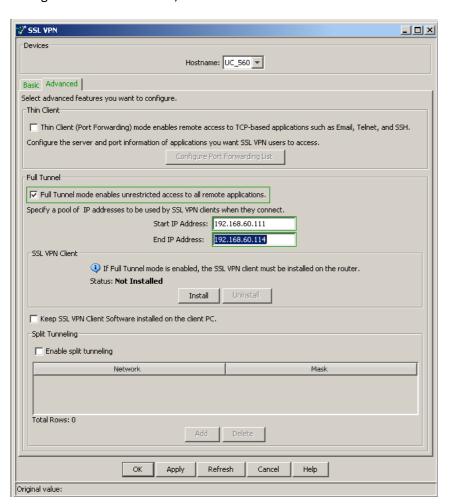
Click YES and add 2 new user accounts. I am also running SR520 remote teleworkers so you can ignore them. Don't ever remove your main Cisco admin user.



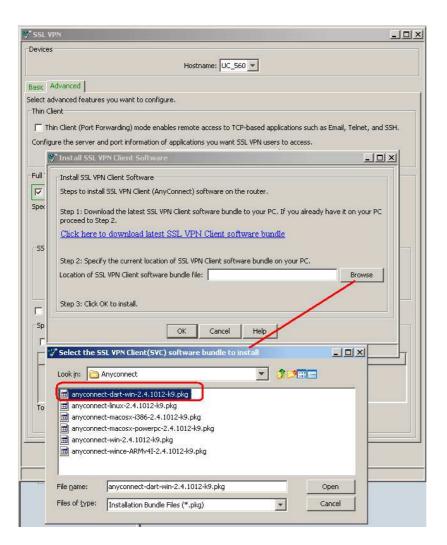
I added SPA525G and SPA525G2 (both with password 'cisco123')



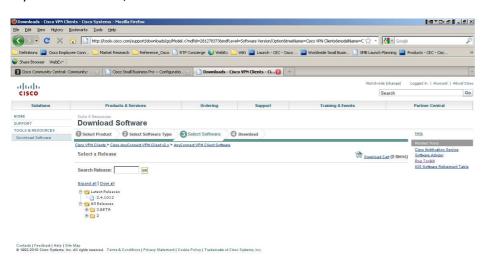
Now go to the advanced tab, click Full Tunnel and add the DHCP IP Pool....



Next you will need to click "install" for the SSL VPN Client. You will see the URL to download it to your PC. Its already on mine.

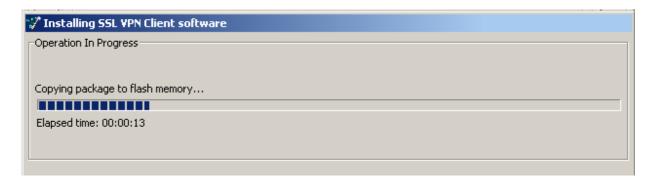


If you didn't have it, its on CCO:

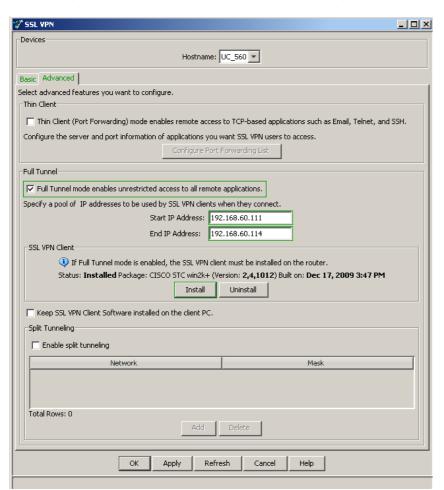


Done

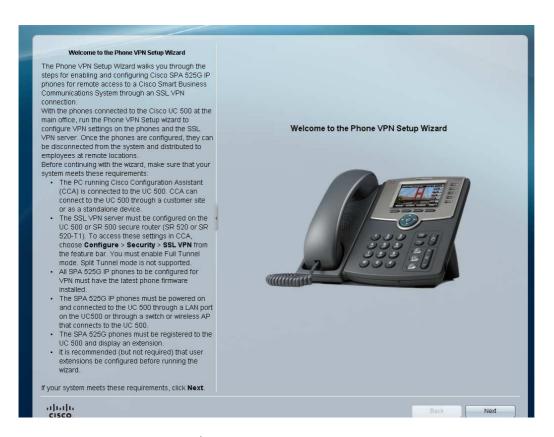
Let it install:



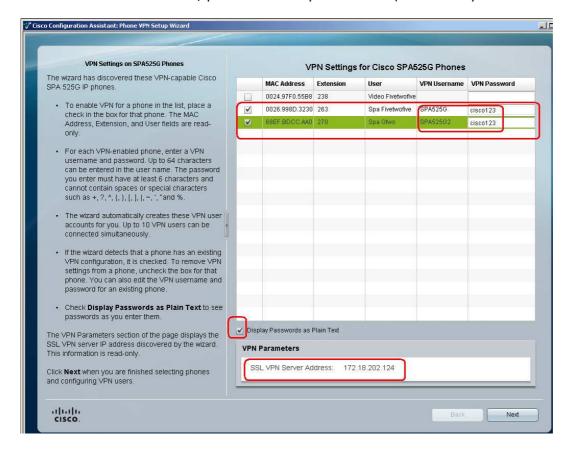
When complete, it looks like this below (Installed). Then you click APPLY or OK.



Now you click the Wizard, it will be ready to identify phones for you:



Click next and add the User ID / password for the phones to use (match what you added in SSL server):



Click NEXT and then APPLY.

When you see the Green Check you can click finish:



Double check the phone GUI itself to make sure you see the VPN configuration you specified.

Setting: Network Configuration: VPN

Now take the phone to a remote location, in my case a different router/switch in the lab on a different network and let it connect.

That's it. You are done. The phone is now a Remote Teleworker.

Remember, you cannot connect a PC to the Switch port in back of the SPA525G in an attempt to connect the PC to the data LAN of the UC500 server. That is not supported. It can also not support remote video. This is also not supported when the UC500 is sitting behind a SA500 router at the host UC500 site as a head end.

Check out the finished product: http://www.youtube.com/watch?v=Hw9IR1ZDFCo