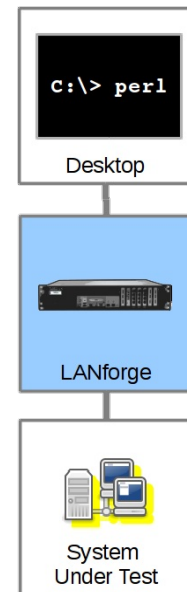


Changing Station WiFi SSID with the CLI API

Goal: Programmatically change a stations SSID

Programatically creating LANforge virtual stations requires using the **add_sta** command. If you already have a station and need to change the SSID, you still use the **add_sta** command.



The general sequence of commands is:

1. if port is up, set port down with:

```
cur_flags=0x1 interest_flags=0x800002
```

2. issue add_port with changed SSID

3. issue set_port to bring it up with:

```
cur_flags=0x0 interest_flags=0x800002
```

We can create a station using this script command:

```
./lf_associate_ap.pl --action step2 --mgr jedtest \  
--resource 1 --radio wiphy0 \  
--ssid jedtest --first_sta sta100 \  
--num_stations 1 --first_ip=DHCP \  
--wifi_mode abgn --security wpa2 \  
--passphrase jedtest1 --quiet=0
```

The format of the add_sta command is listed in the [CLI User's Guide](#). When we watch the debug output of the lf_associate_ap script, we see this **add_sta** command executed:

```
'add_sta' '1' '1' 'wiphy0' 'sta100' '1024' 'jedtest' \  
'NA' 'jedtest1' 'AUTO' 'NA' '00:E3:F7:91:4A:1A' '5' 'NA' \  
'NA' 'NA' 'NA' 'NA' '1024' 'NA' 'NA' 'NA' 'NA'
```

Looking at an example in the **lf_associate_ap.pl** script we see it being formatted here:

```
my $sta1_cmd = fmt_vsta_cmd($::resource, $::sta_wiphy, $sta_name, \  
                           "$flags", "$::ssid", "$::passphrase", \  
                           $mac_addr, "$flagsmask", $wifi_m); \  
doCmd($sta1_cmd);
```

We format the parameters:

```
return fmt_cmd("add_sta", 1, $resource, $sta_wiphy, $sta_name, "$flags",
"$ssid", "NA", "$key", $ap, $cfg_file, $mac,
$mode, $rate, $amsdu, $ampdu_factor, $ampdu_density,
$sta_br_id, "$flags_mask" );
```

Candela Technologies, Inc., 2417 Main Street, Suite 201, Ferndale, WA 98248, USA
www.candelatech.com | sales@candelatech.com | +1.360.380.1618