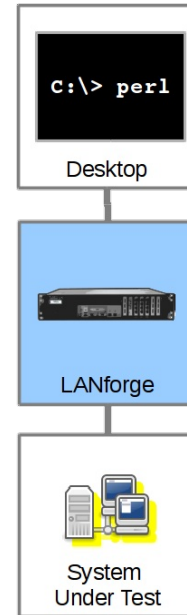


Changing Station WiFi SSID with the CLI API

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" );
```