

# Verify JSON format of /etc/sonic/config\_db.json in SONiC

## Command: sonic-cfggen

```
#sonic-cfggen -j /etc/sonic/config_db.json --print-data
```

-j JSON : indicate json file name

--print-data : print all data

## Restriction:

- "sonic-cfggen" is for JSON format verification only. It's NOT for parameters verification.

## Example:

Wrong JSON format on the /etc/sonic/config\_db.json

```
1 {
2  "DEVICE_METADATA": {
3    "localhost": {
4      "bgp_asn": "4200000002
5      "docker_routing_config_mode": "split"
6      "hostname": "sonic",
7      "hwsku": "Accton-AS7326-56X",
8      "mac": "04:f8:f8:6b:3e:91",
9      "platform": "x86_64-accton_as7326_56x-r0",
10     "type": "LeafRouter",
11   }
12 }
13 },
omitted...
}
```

**Note:** wrong format with red print

Step 1. Use "sonic-cfggen" command to verify /etc/sonic/config\_db.json

```
admin@sonic:~$ sonic-cfggen -j /etc/sonic/config_db.json --print-data
```

Traceback (most recent call last):

File "/usr/local/bin/sonic-cfggen", line 434, in <module>

main()

File "/usr/local/bin/sonic-cfggen", line 329, in main

```

_process_json(args, data)
File "/usr/local/bin/sonic-cfggen", line 237, in _process_json
deep_update(data, FormatConverter.to_deserialized(json.load(stream)))
File "/usr/lib/python3.7/json/__init__.py", line 296, in load
parse_constant=parse_constant, object_pairs_hook=object_pairs_hook, **kw)
File "/usr/lib/python3.7/json/__init__.py", line 348, in loads
return _default_decoder.decode(s)
File "/usr/lib/python3.7/json/decoder.py", line 337, in decode
obj, end = self.raw_decode(s, idx=_w(s, 0).end())
File "/usr/lib/python3.7/json/decoder.py", line 353, in raw_decode
obj, end = self.scan_once(s, idx)
json.decoder.JSONDecodeError: Invalid control character at: line 4 column 34 (char 83)

```

**Note:** Get error. It indicates which line of the file is incorrect.

Step 2. Refer to **JSON format** and correct the file.

Step 3. Use "sonic-cfggen" command to verify until no errors.

```

admin@sonic:~$ sonic-cfggen -j /etc/sonic/config_db.json --print-data
{
  "DEVICE_METADATA": {
    "localhost": {
      "bgp_asn": "4200000002",
      "docker_routing_config_mode": "split",
      "hostname": "sonic",
      "hwsku": "Accton-AS7326-56X",
      "platform": "x86_64-accton_as7326_56x-r0",
      "mac": "04:f8:f8:6b:3e:91",
      "type": "LeafRouter"
    }
  },
  omitted...
}

```