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# JSON Support

For automation purpose it may be convenient to view and configure policing settings in JSON format.

## The first option

Output of TEST tariff plan policing settings in json format:

```
fdpi_ctrl list profile --policing --profile.name TEST --outformat json
```

Downloading the TEST tariff plan policing settings in json format:

Short format (burst, cburst are calculated automatically):

```
fdpi_ctrl load profile --policing --profile.name TEST --profile.json '{
"type":"HTB", "outbound":{" root_rate":"20mbit","root_ceil":"20mbit",
"classes" : [ {"class":0, "rate":"8bit", "ceil":"20mbit"}, {"class":1,
"rate":"8bit", "ceil":"20mbit"}, {"class":2, "rate":"8bit",
"ceil":"20mbit"}, {"class":3, "rate":"8bit", "ceil":"20mbit"}, {"class":4,
"rate":"8bit", "ceil":"20mbit"}, {"class":5, "rate":"8bit",
"ceil":"20mbit"}, {"class":6, "rate":"8bit", "ceil":"20mbit"}, {"class":7,
"rate":"8bit", "ceil":"20mbit"} ]}, "inbound":{"
"root_rate":"20mbit","root_ceil":"20mbit", "classes" : [ {"class":0,
"rate":"8bit", "ceil":"20mbit"}, {"class":1, "rate":"8bit",
"ceil":"20mbit"}, {"class":2, "rate":"8bit", "ceil":"20mbit"}, {"class":3,
"rate":"8bit", "ceil":"20mbit"}, {"class":4, "rate":"8bit",
"ceil":"20mbit"}, {"class":5, "rate":"8bit", "ceil":"20mbit"}, {"class":6,
"rate":"8bit", "ceil":"20mbit"}, {"class":7, "rate":"8bit", "ceil":"20mbit"}
]}'
```

Full format:

```
fdpi_ctrl load profile --policing --profile.name TEST --profile.json '{
"type":"HTB", "outbound":{"
"root_rate":"20mbit","root_ceil":"20mbit","root_burst":"10mbit","root_cburst
":"10mbit" , "classes" : [ {"class":0, "rate":"8bit",
"ceil":"20mbit","burst":"8bit","cburst":"10mbit" }, {"class":1,
"rate":"8bit", "ceil":"20mbit","burst":"8bit","cburst":"10mbit"
}, {"class":2, "rate":"8bit",
"ceil":"20mbit","burst":"8bit","cburst":"10mbit" }, {"class":3,
"rate":"8bit", "ceil":"20mbit","burst":"8bit","cburst":"10mbit"
}, {"class":4, "rate":"8bit",
"ceil":"20mbit","burst":"8bit","cburst":"10mbit" }, {"class":5,
"rate":"8bit", "ceil":"20mbit","burst":"8bit","cburst":"10mbit"
}, {"class":6, "rate":"8bit",
"ceil":"20mbit","burst":"8bit","cburst":"10mbit" }, {"class":7,
"rate":"8bit", "ceil":"20mbit","burst":"8bit","cburst":"10mbit" } ]},
```

```
"inbound":{
"root_rate":"20mbit","root_ceil":"20mbit","root_burst":"10mbit","root_cburst
":"10mbit" , "classes" : [ {"class":0, "rate":"8bit",
"ceil":"20mbit","burst":"8bit","cburst":"10mbit" },{"class":1,
"rate":"8bit", "ceil":"20mbit","burst":"8bit","cburst":"10mbit"
},{"class":2, "rate":"8bit",
"ceil":"20mbit","burst":"8bit","cburst":"10mbit" },{"class":3,
"rate":"8bit", "ceil":"20mbit","burst":"8bit","cburst":"10mbit"
},{"class":4, "rate":"8bit",
"ceil":"20mbit","burst":"8bit","cburst":"10mbit" },{"class":5,
"rate":"8bit", "ceil":"20mbit","burst":"8bit","cburst":"10mbit"
},{"class":6, "rate":"8bit",
"ceil":"20mbit","burst":"8bit","cburst":"10mbit" },{"class":7,
"rate":"8bit", "ceil":"20mbit","burst":"8bit","cburst":"10mbit" } ]}}
```

## The second option

The json2 format outputs more detailed settings - here the units and speed values are separated by individual keys

Output polysing settings in json2 format:

```
fdpi_ctrl list profile --policing --profile.name TEST2 --outformat=json2
```

Downloading the TEST tariff plan policing settings in json2 format:

```
fdpi_ctrl load profile --policing --profile.name TEST2 --profile.json2 '{
"type":"HTB", "outbound":{
"root_rate_value":"100","root_rate_unit":"mbps","root_ceil_value":"100","roo
t_ceil_unit":"mbps","root_burst_value":"50","root_burst_unit":"mbit","root_c
burst_value":"50" ,"root_cburst_unit":"mbit" , "classes" : [ {"class":0,
"rate_value":"8", "rate_unit":"bps", "ceil_value":"100", "ceil_unit":"mbps",
"burst_value":"8", "burst_unit":"bit", "cburst_value":"50",
"cburst_unit":"mbit" },{"class":1, "rate_value":"8", "rate_unit":"bps",
"ceil_value":"100", "ceil_unit":"mbps", "burst_value":"8",
"burst_unit":"bit", "cburst_value":"50", "cburst_unit":"mbit" },{"class":2,
"rate_value":"8", "rate_unit":"bps", "ceil_value":"100", "ceil_unit":"mbps",
"burst_value":"8", "burst_unit":"bit", "cburst_value":"50",
"cburst_unit":"mbit" },{"class":3, "rate_value":"8", "rate_unit":"bps",
"ceil_value":"100", "ceil_unit":"mbps", "burst_value":"8",
"burst_unit":"bit", "cburst_value":"50", "cburst_unit":"mbit" },{"class":4,
"rate_value":"8", "rate_unit":"bps", "ceil_value":"100", "ceil_unit":"mbps",
"burst_value":"8", "burst_unit":"bit", "cburst_value":"50",
"cburst_unit":"mbit" },{"class":5, "rate_value":"8", "rate_unit":"bps",
"ceil_value":"100", "ceil_unit":"mbps", "burst_value":"8",
"burst_unit":"bit", "cburst_value":"50", "cburst_unit":"mbit" },{"class":6,
"rate_value":"8", "rate_unit":"bps", "ceil_value":"100", "ceil_unit":"mbps",
"burst_value":"8", "burst_unit":"bit", "cburst_value":"50",
"cburst_unit":"mbit" },{"class":7, "rate_value":"8", "rate_unit":"bps",
```

```
"ceil_value":"100", "ceil_unit":"mbps", "burst_value":"8",
"burst_unit":"bit", "cburst_value":"50", "cburst_unit":"mbit" } ]},
"inbound":{ "bw_rate_value":"0" , "bw_rate_unit":"bps" , "bw_ceil_value":"0"
, "bw_ceil_unit":"bps" ,
"root_rate_value":"100","root_rate_unit":"mbps","root_ceil_value":"100","roo
t_ceil_unit":"mbps","root_burst_value":"50","root_burst_unit":"mbit","root_c
burst_value":"50" ,"root_cburst_unit":"mbit" , "classes" : [ {"class":0,
"rate_value":"8", "rate_unit":"bps", "ceil_value":"100", "ceil_unit":"mbps",
"burst_value":"8", "burst_unit":"bit", "cburst_value":"50",
"cburst_unit":"mbit" },{"class":1, "rate_value":"8", "rate_unit":"bps",
"ceil_value":"100", "ceil_unit":"mbps", "burst_value":"8",
"burst_unit":"bit", "cburst_value":"50", "cburst_unit":"mbit" },{"class":2,
"rate_value":"8", "rate_unit":"bps", "ceil_value":"100", "ceil_unit":"mbps",
"burst_value":"8", "burst_unit":"bit", "cburst_value":"50",
"cburst_unit":"mbit" },{"class":3, "rate_value":"8", "rate_unit":"bps",
"ceil_value":"100", "ceil_unit":"mbps", "burst_value":"8",
"burst_unit":"bit", "cburst_value":"50", "cburst_unit":"mbit" },{"class":4,
"rate_value":"8", "rate_unit":"bps", "ceil_value":"100", "ceil_unit":"mbps",
"burst_value":"8", "burst_unit":"bit", "cburst_value":"50",
"cburst_unit":"mbit" },{"class":5, "rate_value":"8", "rate_unit":"bps",
"ceil_value":"100", "ceil_unit":"mbps", "burst_value":"8",
"burst_unit":"bit", "cburst_value":"50", "cburst_unit":"mbit" },{"class":6,
"rate_value":"8", "rate_unit":"bps", "ceil_value":"100", "ceil_unit":"mbps",
"burst_value":"8", "burst_unit":"bit", "cburst_value":"50",
"cburst_unit":"mbit" },{"class":7, "rate_value":"8", "rate_unit":"bps",
"ceil_value":"100", "ceil_unit":"mbps", "burst_value":"8",
"burst_unit":"bit", "cburst_value":"50", "cburst_unit":"mbit" } ]}}'
```