

How to configure the powerhint of qvrservice

1. Check the powerhint configure id in qvrservice_config.txt

performance: hints for gpu and cpu levels

format -> [cpu_level gpu_level]:[hint id in powerhint.xml] [cpu_level gpu_level]:[hint id in powerhint.xml]

format -> [cpu_level gpu_level] - lower byte for gpu level and next higher byte for cpu_level. Max level 255

performance_perf_hints = 0x0101:0x0000130A 0x0102:0x0000130B 0x0103:0x0000130C

performance_perf_hints = 0x0201:0x0000130D 0x0202:0x0000130E 0x0203:0x0000130F

performance_perf_hints = 0x0301:0x00001310 0x0302:0x00001311 0x0303:0x00001312

performance_perf_hints = 0x0101:0x0000130A 0x0102:0x0000130E

cpu_level
gpu_level

configure id in powerhint

2. Modify the configure in /vendor/etc/powerhint.xml according to the configure id in qvrservice (take 0x0000130A for example)

```
<!-- qvr level cpul gpul -->
<!-- B CPU - Cluster min freq ~1.19 Ghz --> min frequency of Big
<!-- B CPU - Cluster max freq ~2.09 Ghz --> max frequency of Big
<!-- L CPU - Cluster min freq ~.902 Ghz --> min frequency of Little
<!-- L CPU - Cluster max freq ~1.70 Ghz --> max frequency of Little
<!-- GPU - min pwrlevel 5 (freq 280 Mhz) --> min GPU pwrlevel, key: 0x41000000, value is 0x5
<!-- GPU - max pwrlevel 3 (freq 425 Mhz) --> max GPU pwrlevel, key: 0x41000000, value is 0x3
<!-- Min Big CPUs 4 --> Min Big CPU numbers, key: 0x41000000, value is 0x4
<Config
  Id="0x0000130A" Enable="true" Target='sdm845' platform
  Resources="0x40800000, 0x320, 0x40804000, 0x82C, 0x408
0x42804000, 0x6, 0x42808000, 0x0, 0x41000000, 0x4"/>
```