工業技術研究院
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Traffic Steering Installation – KPIMON更新

ITRI/k200/shen

檔案說明 (kpimon_env-20220725.zip解壓後)

- kpimon_env/
  - onboard.kpimon.url (修改參考)
  - config_server/
    - config_server.py (修改參考)
    - kpimon/
      - config.json (直接複製/取代)
      - schema.json (直接複製)

KPIMON - 更新Onboard & xApp descriptor

- 更新config_server/kpimon/目錄下的的xApp descriptor
  - 以kpimon_env/config_server/kpimon/目錄下的schema.json及config.json直接複製/取代

- 修改onboard.kpimon.url
  - {"config-file.json_url": " http://$hostname:30030/kpimon/config", "controls-schema.json_url": "http://$hostname:30030/kpimon/schema" }
  - (參考kpimon_env/onboard.kpimon.url)

- 修改config_server/config_server.py
  - 加上:
    ```
    @app.route('/kpimon/schema', methods=['GET'])
    def kpimon_schema():
      return readData("kpimon/schema.json")
    ```
  - (參考kpimon_env/config_server/config_server.py)

```
import flask

app = flask.Flask(__name__)
app.config["DEBUG"] = True

def readData(path):
 f = open(path, "r")
 data = f.read()
 f.close()
 return data

@app.route('/kpimon/config', methods=['GET'])
def kpimon_config():
 return readData("kpimon/config.json")


@app.route('/kpimon/schema', methods=['GET'])
def kpimon_schema():
 return readData("kpimon/schema.json")


@app.route(...
```

KPIMON – Config

- config_server/kpimon/config.json的**"controls"** 項目
  - reportPeriod
    - a. 指定indication的間隔時間, 單位為ms
    - b. 可為:
      - » 10, 20, 32, 40, 60, 64, 70, 80, 128, 160, 256, 320, 512, 640, 1024, 1280, 2048, 2560, 5120, 10240
  - ranFunctionID
    - a. Ran Function ID for 不同的E2SM
    - b. 目前使用11 (E2SM KPM)
  - logLevel
    - a. Log message的層級
    - b. 可為:
      - » 1：ERROR
      - » 2：WARN
      - » 3：INFO
      - » 4：DEBUG

- *須在install kpimon之前設定

```
...

    "controls": {
            "reportPeriod": 640,
            "ranFunctionID": 11,
            "logLevel": 4
    }

...
```