
PSC Documentation

Release

SECURED

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Contents:

Config module

```
class Config.Configuration
    Bases: object

    LOG_FILE
    ORCHESTRATOR_ADDRESS
    PSA_API_VERSION
    PSA_CONFIG_PATH
    PSC_VERSION
    VERBOSE
    initialize()
```

dumpLogFile module

File: dumpLogFile.py Created: 17/12/2014

@author: Francesco Ciaccia

Description: REST resource to dump content of the log file from the PSC For development purpose only! Disable this in production (TBD)

class dumpLogFile.**dumpLogFile**

on_get (*req, resp*)

fakeOrch module

```
class fakeOrch.createPSA
```

```
    on_get (req, rep)
```

```
    on_put (req, rep)
```

```
class fakeOrch.getConf
```

```
    on_get (req, rep)
```

```
class fakeOrch.getGraph
```

```
    on_get (req, rep)
```

profileTypePars module

File: profileTypePars.py Created: 23/08/2014

@author: Francesco Ciaccia

Description: This script take as input the profyleType json file and computes the TVD topology to be sent back to the Orchestrator

class profileTypePars.**profileTypePars** (*orchAddr, configsPath*)

parsProfile (*resp*)

requestProfileType ()

psaExecution module

```
class psaExecution.psaExecution
```

```
    halt ()
```

```
    setConfiguration (cnfFile)
```

```
    start ()
```

psaInterface module

```
class psaInterface.psaInterface (confPath)
```

```
    get_client_address (environ)
```

```
    on_get (request, response, psa_id)
```

psc module

pscExceptions module

```
class pscExceptions.pscExceptions

    exception PSAconfNotFound
        Bases: exceptions.Exception

    exception pscExceptions.TVDnotInstantiated
        Bases: exceptions.Exception

    exception pscExceptions.pscWrongProfileType
        Bases: exceptions.Exception
```

tvDTop module

File: tvDTop.py Created: 26/08/2014

@author: Francesco Ciaccia, Jarkko K

Description: Service class used to compute the service graph to be passed to the Orchestrator, starting from the profileType json file received. It includes also methods used by the internal logic of the PSC to store and retrieve info about the TVD topology.

class tvDTop.**tvDTop**(sg_dict)

resolveTVDtop(proType)

Right now the TVD resolution logic is a dumb reformatting of the profileType file The only valid modification is the added unique TVDid

utils module

File: utils.py Created: 16/02/2015

@author: Francesco Ciaccia

Description: Utility functions for general OS operations management

`utils.mkdir_p(path)`

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