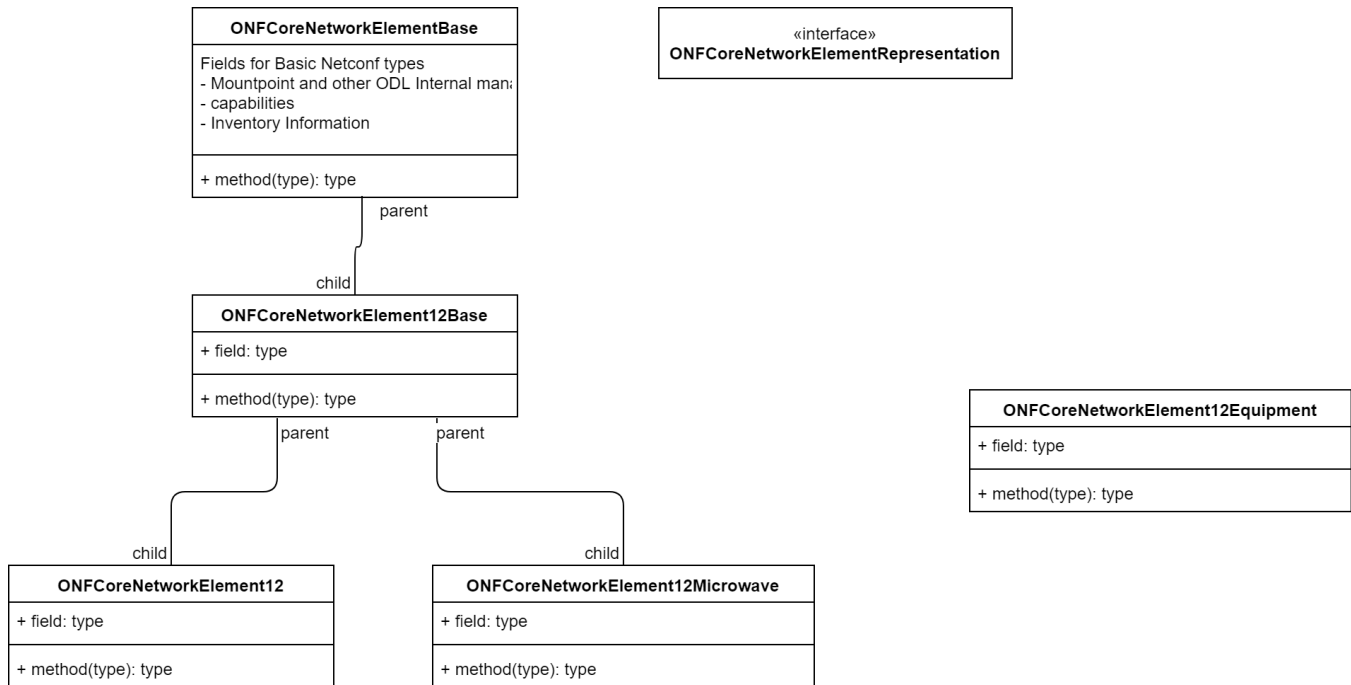# Devicemanager

A microservice for netconf device managment and control including:

- connection supervision (NETCONF) by DeviceMonitor
- event handling (NETCONF) and forwarding
- performance monitoring data handling (ONF-TR-532, NETCONF) by PerformanceMonitor
- DCAE Connector
- AAI Connector
- Provide inventory information to database

https://jira.onap.org/secure/RapidBoard.jspa?rapidView=169&projectKey=SDNC&view=detail&selectedIssue=SDNC-575

Class structure

```
ONFCoreNetworkElementBase

Fields for Basic Netconf types
- Mountpoint and other ODL Internal man
- capabilities
- Inventory Information

+ method(type): type
```

parent

child

```
ONFCoreNetworkElement12Base

+ field: type

+ method(type): type
```

```
«interface»
ONFCoreNetworkElementRepresentation
```

```
ONFCoreNetworkElement12Equipment

+ field: type

+ method(type): type
```

parent

parent

child

child

```
ONFCoreNetworkElement12

+ field: type

+ method(type): type
```

```
ONFCoreNetworkElement12Microwave

+ field: type

+ method(type): type
```

Provide Inventory

Netconf devices have a individual model representation for equipment information. Specific Devicemanger does a mapping of device representation into dataprovider model.

The dataprovider offers the related interface:

```
    void writeInventory(String nodeId, List<Inventory> list);
```

Example implementation is specific devicemanger for ONF14 Core Model in Onf14DomEquipmentManager class in setEquipmentData(NormalizedNode controlConstruct).