

Proposal: Uniform way of addressing equipment (holders / connectors)

Sequencing connectors and holders

All objects in the *connector* and *contained-holder* collections of every object in the *equipment* collection shall be identifiable via a sequence ID.

Gaps in the enumeration are possible. Each object (Connector and Holder) on **one level** (sharing the same parent object) should have a **unique** sequence-id.

All devices of one device type shall be sequenced identically.

Connectors

The sequence-id could be listed under “equipment[]/<equipment-object>/connector[]/<connector-object>/name[]” as:

- value-name: "sequence-id"
- value: *integer*

Holders

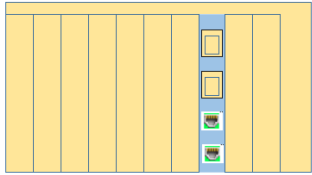
The sequence-id could be listed under “equipment[]/<equipment-object>/contained-holder[]/<holder-object>/name[]” as:

- value-name: "sequence-id"
- value: *integer*

fantasy_Switch 223251837 (31.january.2022)

<http://10.20.64.10:8181/rests/data/network-topology:network-topology/topology=topology-netconf/node=223251837/yang-ext:mount/core-model-1-4:control-construct>

Example to depict the concept in principle

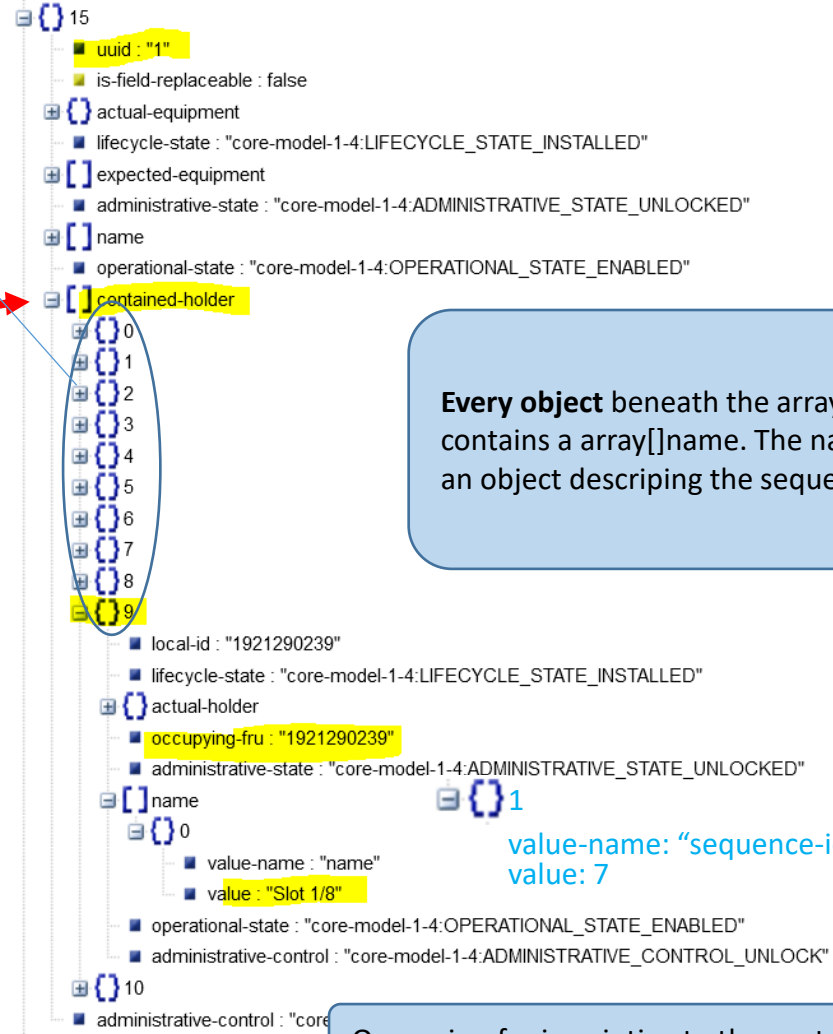
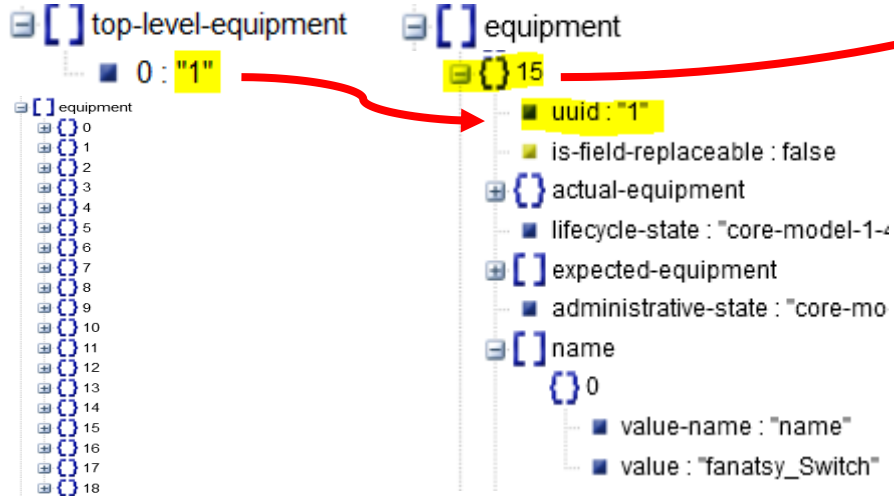


Please ignore such numbering, as it indicates just the current position in a not ordered array.

Slot position: 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 : example label for explanation

Starting Point:
Top-level-equipment
Find beneath ,top-level-equipment' uuid of the root equipment object

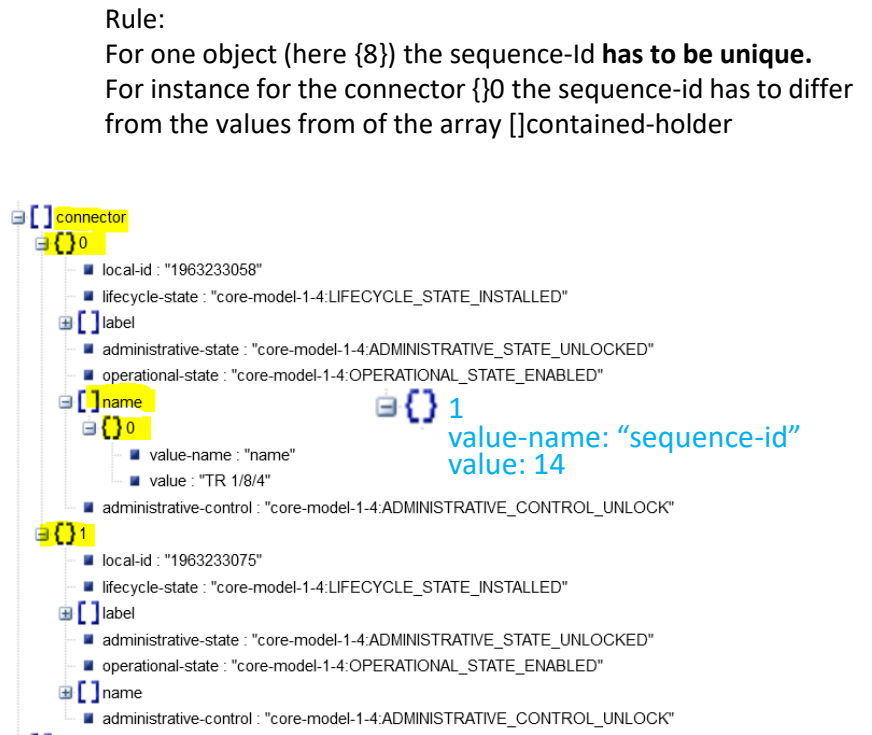
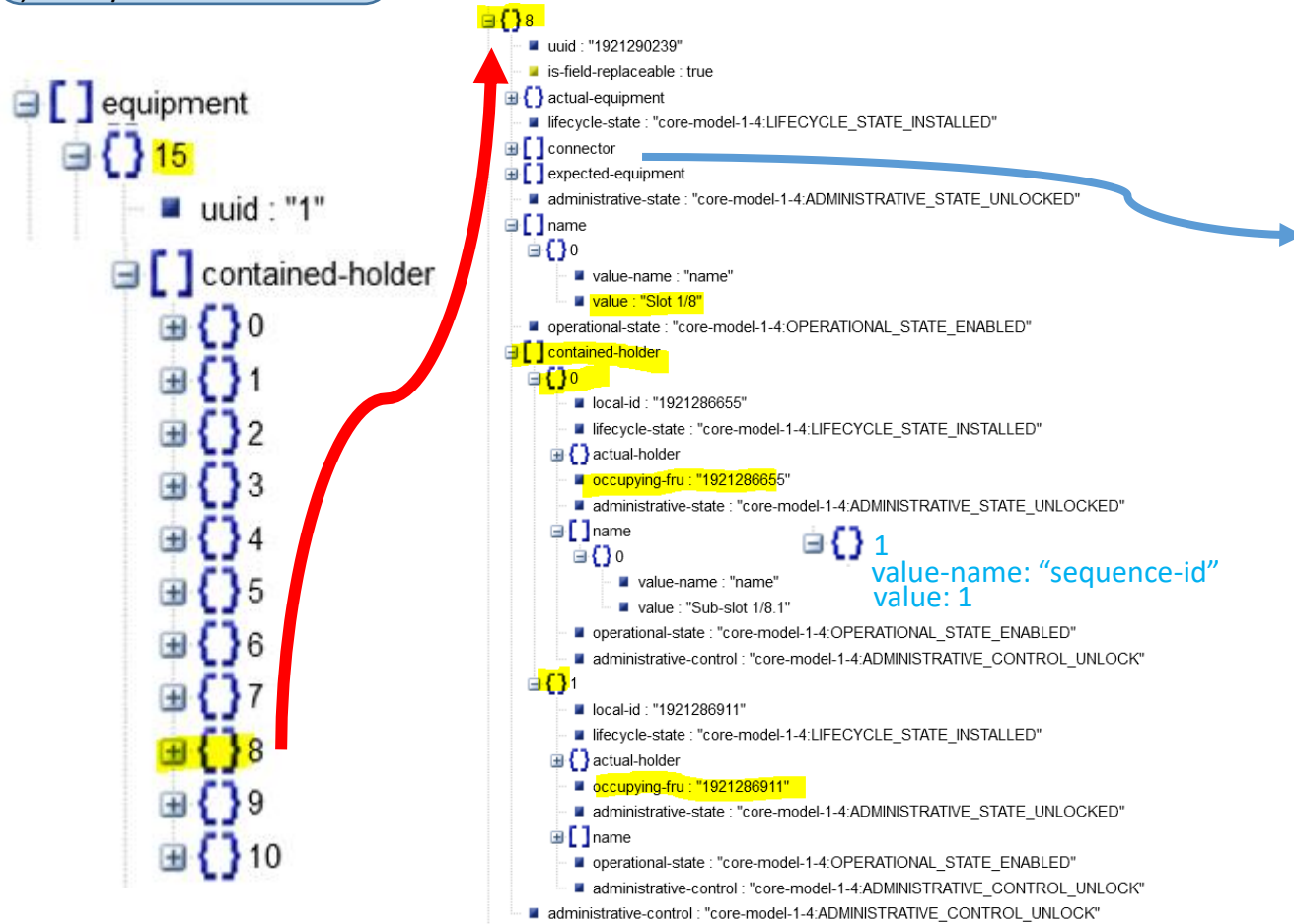


Every object beneath the array[]contained-holder contains a array[]name. The name array contains an object describing the sequence-id

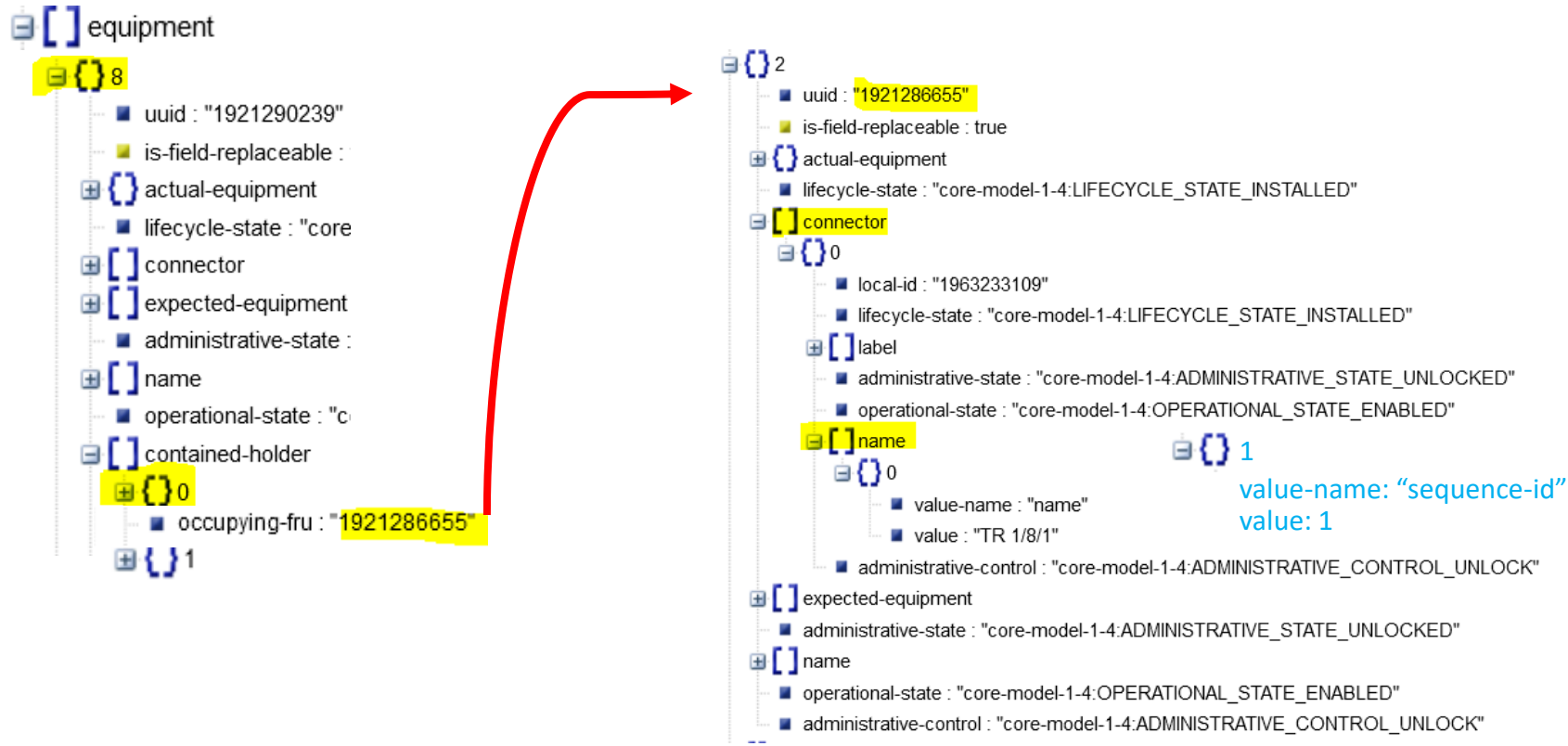
Occupying-fru is pointing to the next equipment object

Equipment object {}15 represents the device, for instance object {}8 ,slot 1/8'

Equipment object {}8 contains connectors (e.g. RJ-45) and holders (e.g. SFP cage)

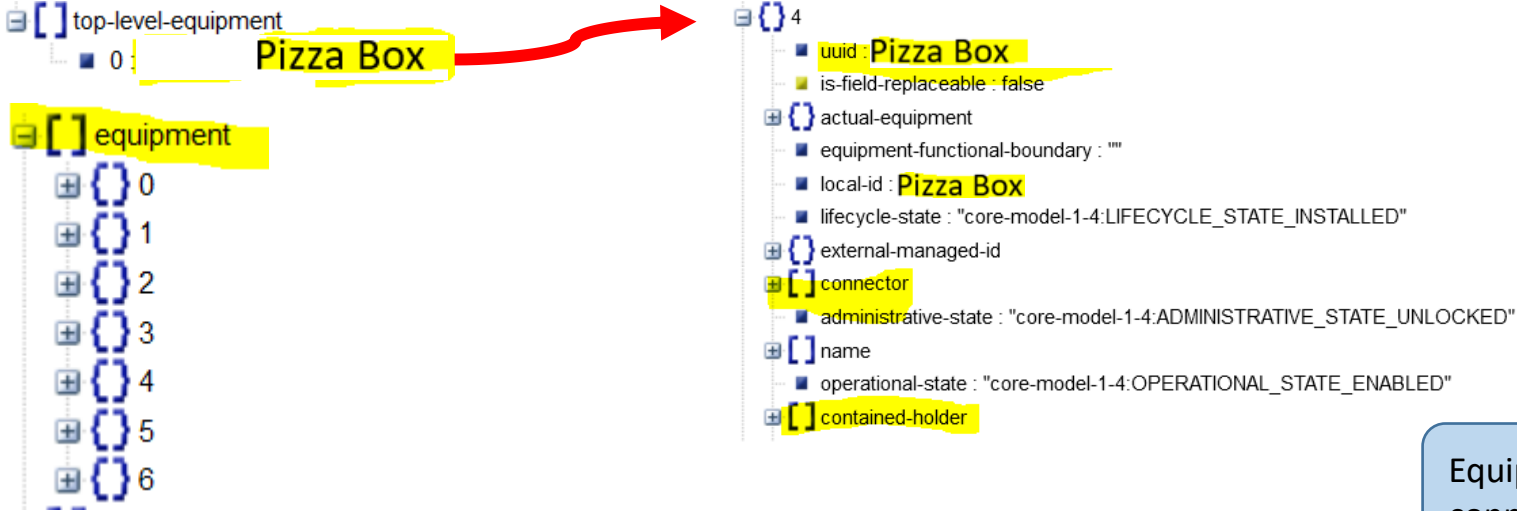


The value occupying-fru is pointing to the object of the containing equipment



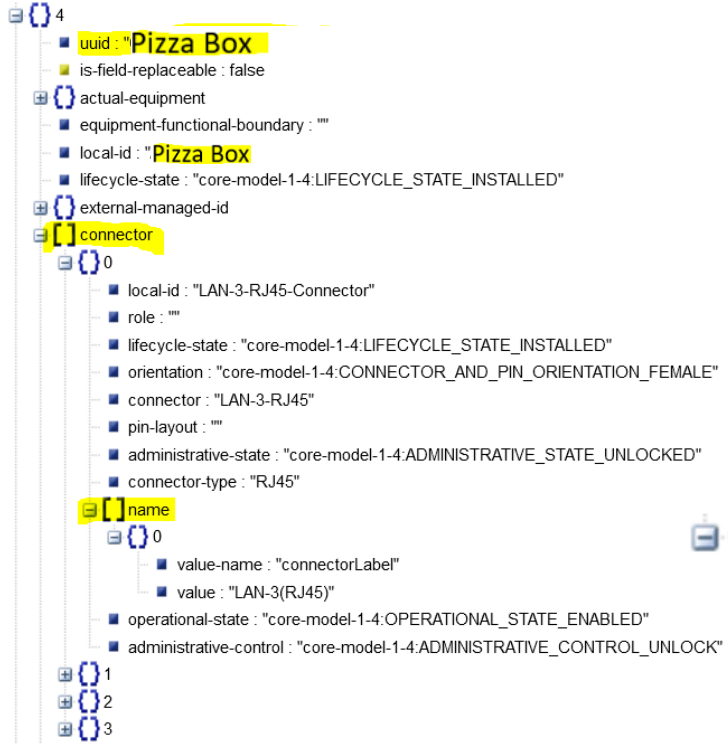
Pizza Box 114253841 (31.january.2022)

For instance a compact system without slots,
Containing Rj45 and SFPs



Equipment object {}4 contains
connectors (e.g. RJ-45) and holders (e.g. SFP cage)

Connectors of Equipment „Pizza Box“



1
value-name: "sequence-id"
value: 3

Note: Please be aware that the concept required unique sequence-ids on equipment level (not on contained-holder or connector level).

Holders of Equipment „Pizza Box“



1
value-name: "sequence-id"
value: 13

The value occupying-fru is pointing to the object of the containing equipment

In []equipment object mit uuid := occupying-fru from contained-holder

