YANG Hardware Model

draft-ietf-netmod-entity-01

IETF 97

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Changes since -00

Renamed top-level node to "hardware".

Renamed list "physical-entity" to "component".

Renamed the module "ietf-hardware".

Avoid recursive definition by moving the base identity "entity-physical-class" to iana-entity.yang.

Fixed bug in XPath syntax.

Issues – feedback from BBF 1(2)

Should the model support pre-configuration of hardware components?

Current config model

```
+--rw component* [name]
    +--rw name          string      // IDENTIFICATION
    +--rw serial-num?   string
    +--rw alias?        string
    +--rw asset-id?     string
    ...
```

Proposed config model

```
+--rw component* [name]
    +--rw name           string
    +--rw class          identityref // IDENTIFICATION
    +--rw contained-in   leafref     // IDENTIFICATION
    +--rw parent-rel-pos int32       // IDENTIFICATION
    +--rw serial-num?    string
    +--rw alias?         string
    +--rw asset-id?      string
    ...
```

Issues – feedback from BBF 2(2)

Should we add a generic "reset" action?

```
list component {
  ...
  action reset {
    description
      "Request a reset of the component.";
    input {
      leaf reset-type {
        type identityref {
          base reset-type;
        }
      }
    }
  }
}
```