

draft-openconfig-netmod-model-catalog

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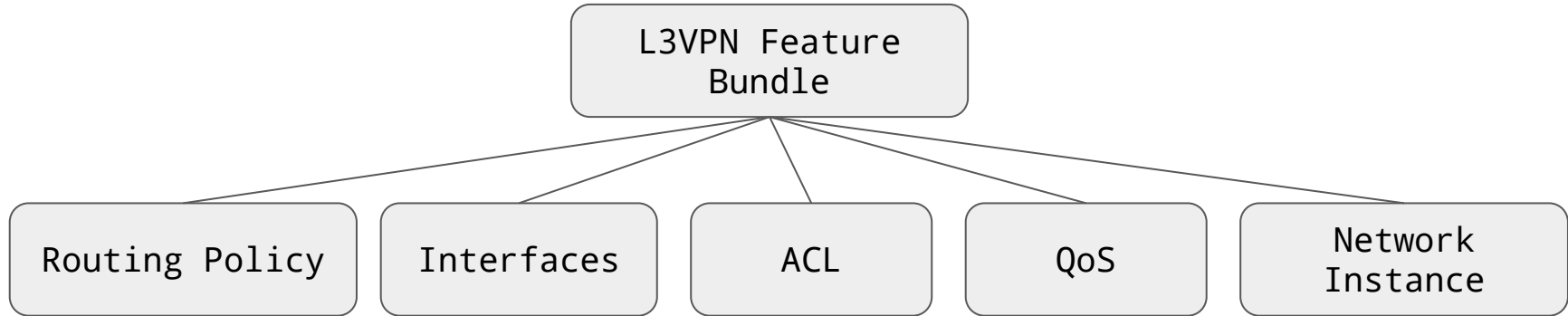
Model Catalog

- **Cross-organisation means to discover YANG modules.**
 - Who maintains it?
 - Classification of model - both category of models (service, device etc.).
 - Licensing
 - Dependencies
 - Location of file(s)
 - Authentication information
- **Updates in -01:**
 - Added classifications according to `draft-ietf-netmod-yang-model-classification`

Bundling of Models - Features

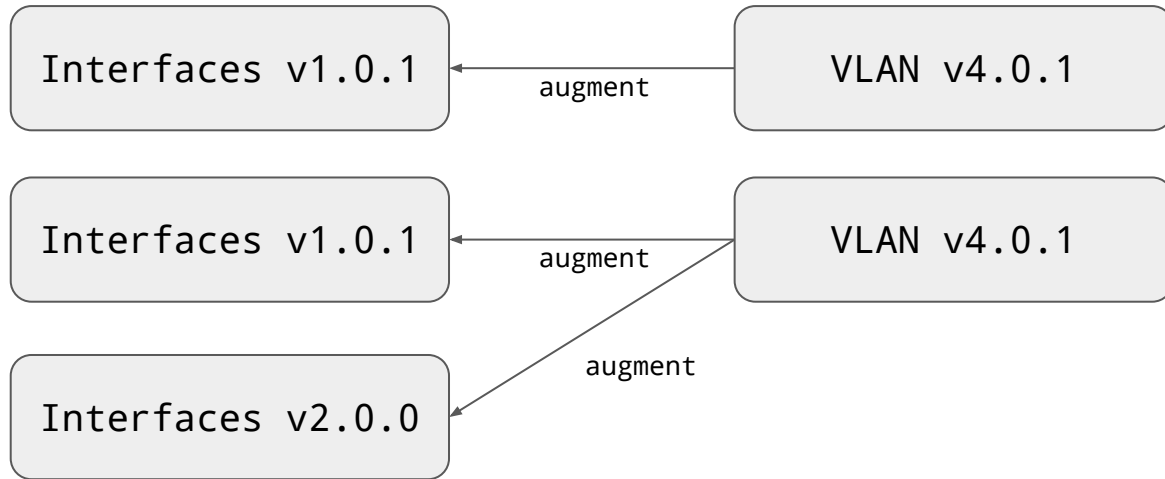
- **(Added in -00) Feature Bundles**

- Some function that requires multiple models to build entire configuration.



- Allows device vendor/operator to describe the set of models that are required to be able to interact with the feature on their infrastructure.

Bundling of Models - Release Bundle (I)



- Revisioning of each module separately - not clear what is interoperable.
- Need to understand what revisions can be utilised together (operator), or implemented together (vendor) - define a concept of release bundles.

Bundling of Models - Release Bundle (II)

```
+--rw release-bundles
  +--rw release-bundle* [name version]
    +--rw name
    +--rw version
    +--rw models
      +--rw model* [name]
        +--rw name
        +--rw compatible-versions*
        +--rw type?
        +--rw bundle?
        +--rw module?
```

```
"openconfig-release-bundle:release-bundles": {
  "release-bundle": [
    {
      "models": {
        "model": [
          {
            "compatible-versions": ["2.0.*"],
            "name": "openconfig-bgp"
          },
          {
            "compatible-versions": ["0.1.4", "1.0.*"],
            "name": "openconfig-mpls"
          }
        ]
      },
      "version": "0.0.1",
      "name": "openconfig-routing-example"
    }
  ]
}
```

Next Steps

- **Draft concept is stable.**
 - Recall this idea was separated into its own draft from draft-openconfig-netmod-model-structure-00 (March 2015).
- **OpenConfig intends to use bundle approaches to define compatible models.**
 - Already dealing with a set of models with multiple major revisions.
- **Ask for WG adoption.**
 - Presume NETMOD is the right WG for this work.