

YANG Data Extensions

draft-ietf-netmod-yang-data-ext-01

NETMOD WG
IETF 102 (Montreal)

Recap

- RFC 8040 defines rc:yang-data
 - in the ietf-restconf module
 - it was never intended to be used outside of that draft.
 - hence, it is neither an ideal definition nor location
- Current YANG module defines two extensions:
 - yang-data
 - augment-yang-data

Motivation

yang-data

- a better definition
- a better normative reference and import target
- **nicer** for the zerotouch, instance-data, and subscribed-notifications drafts
 - note: no longer *needed* for zerotouch

augment-yang-data

- **needed** for the notification-messages draft, and for an effort that augments “instance-data”.

Done – not Done!

- We thought that we were done...
- But then some WG members raised viability concerns, concluding that a proper definition should be part of a new version of YANG.

How to Proceed?

1. define both “yang-data” and “augment-yang-data” (current scope)
2. only define “augment-yang-data” (remove “yang-data”)
3. un-adopt draft

If “Option 1”, can a yang-data have the same name as a top-level node?

Is this legal or not?

```
module foo {  
    import ietf-yand-data { prefix yd; }  
  
    container bar { ... }  
  
    yd:yang-data {  
        container bar { ... }  
    }  
}
```

Options:

- Yes, because only one "bar" can exist in any given context.
- No, because an instance document alone (no context) may be ambiguous

Thank you!