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”.

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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?

```yang
module foo {
  import ietf-yang-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!