

# The YANG 2.0 Data Modeling Language

draft-yn-netmod-yang2



YANG Next

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# Introduction

YANG-Next has been discussed extensively

- **2016:**

- [YANG-next Issue tracker](#) created Mar 11

- **2019:**

- Meetings: Feb 6, Feb 20, and Mar 20
- Presentation: [IETF 104](#)

- **2024:**

- Meetings: Aug 6, Aug 23, Sep 12, Oct 3, Oct 24, and Oct 30
- Presentations: [IETF 120](#) and [IETF 121](#)

# YANG-Next == YANG 2.0

## YANG-next:

- A minimally non-backwards compatible version of YANG 1.1

A "baby-step" "YANG 1.2" was deemed undesirable

- Too disruptive with little benefit
- Many high/medium *important* issues are NOT backwards compatible

Hence "YANG 2.0" and "draft-yn-netmod-yang2"

# How Document Posted to Datatracker was Created

1. Get XML for RFC 7950 from RFC Editor
2. Convert to the "xml2rfc v3" format
3. Update Title (s/1.1/2.0/)
4. Update Editor (s/Martin/Kent/)
5. Add "Discussion Venues" section
6. Fix out-of-date references per `idnits` (e.g., s/6991/9911/)
7. Update the "Key Words" section (i.e., add RFC 8174)
8. Update the "Acknowledgements" section
9. Update the "Contributors" section

TL;DR: The absolute minimal to create "draft-yn-netmod-yang2" ([diffs here](#))

**Document posted to Datatracker  
is NOT the "Baseline"**

**The "Baseline" intends to be a starting  
point for the YANG-Next changes**

**Essentially, the Baseline just removes the  
XML- and NETCONF-specific bits**

# How the "Baseline" document was Created

1. Update the Abstract and Introduction to be "2.0" oriented
2. Create "Summary of Changes from RFC 7950" section
3. Create "Protocols Mappings" section
4. Emphasize "Namespaces" over "XML Namespaces"
5. Remove "Announcing Conformance Information in NETCONF" section
6. Remove most "XML Encoding Rules" sections
7. Remove all "NETCONF <edit-config> Operations" sections
8. Remove some "Usage Example" sections
9. Remove "NETCONF" in "NETCONF Constraint Enforcement Model"
10. Remove "NETCONF" in "NETCONF <edit-config> Processing"
11. Add "1.1" to "Coexistence with YANG Version 1" section
12. In Section 4.2 (Language Overview)
  - Each "XML Encoding Example" now has a matching "JSON Encoding Example".
  - Each "NETCONF XML Example" now has a matching "RESTCONF JSON Example".

[diffs here](#)

# Baseline Branch Waiting to be Merged

The "Baseline" version of the document is held in a branch ([PR here](#))

The branch can be merged after receiving:

- At least two approvals (via GitHub)
- No open change-requests (via GitHub)
- All comments resolved (via GitHub)
- No objections in two weeks (via NETMOD list)

} Process chosen by Editor  
(VELOCE?)

# Baseline Branch **MUST** be Merged First

The "Baseline" version of the document is held in a branch

Goal is to merge this branch ***before*** any other branches are created

- since it establishes the baseline - right? ;)

Thereafter, the Editor welcomes all and any to submit PRs

- PRs merging subject to same constraints mentioned on previous slide

Questions, Concerns, Comments?

Show of Hands Poll for Adoption?