

YANG-next

**NETMOD
IETF 121 (Dublin)**

Kent Watsen on 2024-11-04

Request from Session in Vancouver (IETF 120)

The "rfc7950bis and Friends" presentation at NETMOD 120 generated a request:

"Put together a list of motivation and objectives and we can discuss whether we need YANG 1.1, 1.2 or 2.0."

Context

- The YANG-next Issue-tracker (on GitHub) had nearly 150 issues.
- More than half of the issues were not scored.

Hence the desire / need to finish scoring the issues

But that entails a scoring team...

Issue Scoring Team

(sorted by First name)

- Andy Bierman
- Balazs Lengyel
- James Cumming
- Jan Lindblad
- Jürgen Schönwälder
- Kent Watsen
- Per Andersson
- Qiufang Ma
- Reshad Rahman
- Rob Wilton

Thank You!

Scoring Effort

Scoring team met every other week since IETF 120:

- **Aug 6** (Kickoff and Score Issues) 2-hrs
- **Aug 23** (Score More Issues) 2-hrs
- **Sep 12** (Round 3) 2-hrs
- **Oct 3** (Round 4) 2-hrs
- **Oct 24** (Round 5) 2-hrs
- **Oct 30** (Round 6 - Finale) 90-min

This time does not acknowledge time spent entering and reviewing issues

Likely more than **80 man-hours** expended since IETF 120.

Scoring Results

Originally:

118 open (and mostly not scored) issues

Final: 112 open issues

- Importance High: 39
- Importance Medium: 49
- Importance Low: 24

A lot of issues relate to

- Making YANG easier to use
- Conformance (identities, etc.)
- Reusability (e.g., full-include)

Motivation

- YANG 1.1 is very old and showing limitations.
- An update would help quell discontent.

Objectives

- To publish a YANG 2.0 (not 1.2)
- To address issues having “High” and “Medium” Importance

Note: Many high/medium issues are *NOT* backwards compatible

Conclusion

There is significant interest.

Effort will likely take a few years.

How to proceed?