

XML Encoding of Data Modeled with YANG

draft-yn-netmod-yang-xml



YANG Next

Kent Watsen
NETMOD WG
IETF 125

Introduction

In preparation for the YANG-next...

- it is desired to create a "baseline" document for the effort.

The "baseline" merely removes content that isn't YANG-specific from RFC 7950

- Primarily, the XML-specific and NETCONF-specific bits.

This document (yang-xml) is the home for the XML-specific bits from RFC 7950.

How this Document was Created

1. Copy/Paste/Edit RFC 7951

- Replace-all "JSON" with "XML"
- Convert JSON-examples to XML-examples
- Remove JSON-specific bits (e.g., prefixes)
- Massage remaining text to be XML-specific.

2. Relocate content from RFC 7950

- Primarily the “XML Encoding Rules” sections

XML Comments Show Details

Example from the source XML document:

```
<section title='The "leaf" Data Node' anchor="leaf">  
  <!-- this part from RFC 7950 Section 7.6.6 (XML Encoding Rules) -->  
  ...  
  <!-- copy/paste/edit from RFC 7951 Section 5.1 (The "leaf" Data Node) -->  
  ...  
</section>
```

Almost Ready for Publication

Even though not adopted yet

- This document is already nearly complete

It could be published as is

- But there are a few things to discuss...

Issue #1: The `anyxml` Node

It is a given that YANG 2.0 will remove the `anyxml` node

- YANG-next [Issue #105 \(remove the "anyxml" statement\)](#)

It makes little sense to publish this document with the `anyxml` node

- Actually, it's likely best to coincide publication with draft-yn-netmod-yang2
 - Just like how RFC 7951 was published with RFC 7950

Issue #2: Certain Schema-only Nodes

Some nodes in RFC 7950 having "XML Encoding Rules" sections are schema-only

- Section 7.9: The "choice" Statement
- Section 7.13: The "uses" Statement
- Section 7.14: The "rpc" Statement
- Section 7.15: The "action" Statement
- Section 7.16: The "notification" Statement
- Section 7.17: The "augment" Statement

But RFC 7951 only specifies encoding for "Data Nodes"

- what to do about these schema-only nodes?
- possibly just an issue for the "yang2" document, but mentioned here for completeness.

Questions, Concerns, Comments?

Show of Hands Poll for Adoption?