YANG Usage Guidelines

draft-ietf-netmod-rfc6087bis-07
NETMOD WG
IETF #96 Berlin

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v0.1

Agenda

- Issue Tracker Status

- Changes in Draft -07

- Next Steps

Current Issue Tracker Status

EXAMPLE BEGINS

- EXAMPLE BEGINS / ENDS removed from draft-07

- Mailing list discussion revealed the extraction tools are buggy and need to be told what to extract

  - Draft-08 will say full example modules MUST use CODE BEGINS / ENDS

- Tools need to be improved so they only extract modules within <CODE BEGINS> <CODE ENDS>

New Issue #39 Tree Guidelines

- There are some guidelines already in the draft. This is good. However, a couple of points.

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- Section 4.3. I would help the reader and provide "pyang -f tree "

- If the module is composed of groupings only, include the output of pyang -f tree --tree-print-groupings . Actually, should we always include the groupings in the draft?

- I'm not clear on the notification guidelines? Include or not? Should pyang be updated to produce the right output?

- What if the YANG tree diagrams guidelines change in the future? Should we include the output of pyang that generate this output?

New Issue: YANG 1.1

- Will add guideline to use YANG 1.1 if needed and OK to use YANG 1.0 if no new features needed
    - Will end up updating everything that needs to import a YANG 1.1 module
    - We will have to repeat this republish effort every time YANG is updated

Ongoing Issue: Data Organization

- Draft DOES NOT SAY USE foo-state and foo containers

  - It says this is allowed, so it one subtree

  - No easy rule: Designer Clue required

  - Data organization is subjective and we will not likely agree on all of it

  - Real classification mechanisms should be used instead

    - Multi-purpose modules cannot be rooted in multiple places

Change Log from Draft-07

- update contact statement guideline

- update example modules guidelines

- add guidelines on top-level data nodes

- add guideline on use of NP containers

- added guidelines on union types

- add guideline on deviations

- added section on open systems considerations

- added guideline about definitions reserved for future use

Next Steps

- Update draft with guidelines for new and open issues

- Stop the feature-creep and start a WGLC already

- WG agreed this draft would Last Call when YANG 1.1 is done
  - YANG 1.1 has been done for months

- YANG Doctors Wiki will be used to capture guidelines from now on