

YANG Conformance

draft-bierman-netmod-yang-conformance-04
NETMOD WG
IETF #91 Honolulu, HI, USA

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v0.1

Agenda

- Review draft -04 highlights
- Review proposals from unofficial NETMOD interim meeting held 2014-10-29
- Next steps

Draft -04 Highlights

- Service Based Conformance removed for now
 - Conflicts and overlaps with YANG module based conformance
- Module Set Based Conformance added
 - A server can only implement and advertise one revision of each module it supports
 - If a shared module is updated, then all affected modules that use it need to be updated
 - Importing a module does not imply any conformance

2014-10-29 Meeting

- Import by revision proposal:
 - There seems to be agreement that import-by-revision does not work and that an import-by-min-revision would work better.
 - If the additional assumption can be made that a server always implements only a single revision of a data model, then it seems most problems are solved. It is however unclear whether that assumption can be made.

2014-10-29 Meeting (2)

- Conformance document proposal:
 - It was suggested that all conformance related material including associated data models should be factored out into a separate document, likely incorporating material from the ietf-yang-library (current in a NETCONF document).
 - draft-bierman-netmod-yang-conformance-04 would be used as the starting point for this document.

2014-10-29 Meeting (3)

- YANG module advertisement proposal:
 - Confirm YANG 1.1 interim proposal to create a new NETCONF capability that will advertise a single identifier that a client can use to determine if the YANG module library contents have changed.
 - YANG 1.0 modules will be listed in the YANG library and any change to a YANG 1.0 module will cause the module-set-id to change
 - YANG 1.0 modules will continue to be advertised in the NETCONF <hello> message

Next Steps

- WG needs to decide what to do about YANG 1.1 conformance
 - Should a separate YANG conformance document be started?
 - If so, should the ietf-yang-library module be moved from RESTCONF to this new document?