

Accelerated YANG Models Standardization

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As OPS AD, What Keeps me Awake?

- « The IETF is too slow »
 - Average time to produce YANG models: 3.5 years
- « IETF vs OpenSource »
- « Running code and consensus »
 - Less Running code these days?
 - Coders left the IETF?
- Ping Pong game between YANG expertise in NETMOD and WG expertise -> lose time

A Closed Design Experiment

- Experiment, outside of the IETF process (Not as OPS AD)
- 3 YANG models
- 3 different companies
- 3 tech leads
- Weekly webex calls

YANG Models

- Focus on device-level or feature YANG models, as opposed to service level YANG models
- Syslog
 - Not too controversial
- OSPF
 - Common routing model
 - Based on the NETMOD routing model
- ACL
 - Very basic feature, but difficult to model right.

Results

- draft-wildes-netmod-syslog-model-01
- draft-bogdanovic-netmod-acl-model-01
- draft-yeung-netmod-ospf-00
 - Feedback on draft-ietf-netmod-routing-cfg
- What worked well: author involved in coding, willingness to implement, one point of contact per organisation, weekly calls

What's Next?

- Open up and scale up these design teams
 - We will be soliciting the next set of YANG models
 - The YANG editing session was a first step to list the existing YANG models
- Goal: Stretch goal to publish YANG model RFCs within a year
- Where? In the different WGs or in NETMOD (Charter is now open)

YANG Advice and Editing Session review

- 57 people signed the blue sheet
- PYANG tutorial
- Code generation experience from the OpenDaylight project
- Different level of knowledge in the room
- YANG doctors reviewed 13 YANG models
- YANG doctors collected information for RFC 6087bis
- Successful
 - From the audience and YANG doctors point of view