NETCONF/YANG, I2RS, OpenDaylight Hackthon Project

- pyang in the submission tool
- Catalog Extraction Too

pyang in the submission tool

Qin Wu Huawei Dapeng Liu Alibaba

Problem and Goal

- Problem: pyang validation tool is used to validate extracted yang model. However
 How do we avoid overriding an existing module with a broken new one when RFC defined module get updated or replaced?
- Goal: include all the existing YANG models, co ming from RFCs and IETF drafts, in the pyang P ATH

Pyang integration improvement in the submi ssion tool

- * All yang modules from published RFCs should be extracted and be available in an rfc-yang repository.
- * All valid yang modules from active, not replaced, internet drafts should be extracted and be available in a draft-valid-yang repository.
- * All, valid and invalid, yang modules from active, not replaced, internet drafts should be available in a draft-all-yang repository.
- * In all cases, example modules should be excluded.
- * Precedence is established by the search order of the repository as provided to pyang.
- * As drafts expire, or as a new draft version is posted (the YANG module name might be changed with a new draft version), yang model in the expired draft or old version draft sho uld go away.

Catalog Extraction Tool

Qin Wu Huawei ANURAG BHARGAVA Cisco

Catalog extraction tool

 Automatically extract from existing YANG data models, fields such as:

Coding Experience

- Easy Get started for development
- Coding is fun
- Teamwork