Background: YANG Schema Tree Representation

• Previously
  • All documents copy & paste (& change) the same basic text
  • Readers had to carefully read this text to find the differences between documents
  • No schema mount representation

• Now
  • draft-ietf-netmod-yang-tree-diagrams
  • Single document defining YANG Tree Representation
Changes since last meeting

- Objective was to resolve all open issues to prepare for publication
- draft-ietf-netmod-yang-tree-diagrams-02
  - Completed planned sections
  - Clarified mount points, parent references, mounted trees
    - With additional changes agreed to on list
  - Added guidelines for long trees

Node Representation

```xml
<status> <flags> <name> <opts> <type> <if-features>
<status> is one of:
  + for current
  x for deprecated
  o for obsolete
<flags> is one of:
  rw for configuration data
  ro for non-configuration data
  -x for rpcs and actions
  -n for notifications
  mp for nodes containing a "mount-point" extension statement

<name> is the name of the node
  (<name>) means that the node is a choice node
  :<name>) means that the node is a case node
  If the node is augmented into the tree from another module,
  its name is printed as <prefix>:<name>.

<opts> is one of:
  ? for an optional leaf, choice, anydata or anyxml
  ! for a presence container
  * for a leaf-list or list
  [<keys>] for a list's keys
  / for a top-level data node in a mounted module
  @ for a top-level data node in a parent referenced module

[type] is the name of the type for leafs and leaf-lists
  If the type is a leafref, the type is printed as "-> TARGET",
  where TARGET is either the leafref path, with prefixed removed,
Open Discussion Topics From List

• Guidelines to Model authors on trees – where does it belong
  • 6078bis has Sections 2.5.1 (points here) and 3.4 (with minimal guidelines)
  • This draft covers more than just tree format, e.g., long trees
  • Some options:
    1. All guidelines in 6087bis, this draft is just format definition
       → 6087bis would need to be updated, again
    2. All guidelines in a wiki
       → How would non-IETFers learn about this?
    3. All guidelines in this document
       → 6087 updated to point to here, similar to current section 2.5.1

• Should guidelines allow a diagram to not expand a grouping?
  • print the uses with a "--u" symbol.
Next Steps

• Resolve open questions
• Publish new revision
• WG LC immediately following