YANGsters Monthly Telephone Conference

Date/Time:

2019-02-27

9 a.m. – 10 a.m. (Eastern Time)

Participants:

- Scott Mansfield (Ericsson)
- Stephan Kehrer (Hirschmann)
- DonFredyk (LABn Consulting)
- Ludwig Pauwels (Nokia)
- William Zhao (Siemens)
- Jodi Haasz (IEEE)
- Geoff Thompson (Independent)

Topics:

- Agenda Bashing
- Review of Minutes from last meeting
    - Minutes can be found http://www.ieee802.org/1/files/public/docs2019/yangsters-smansfield-meeting-16-minutes-0119.pdf
- Management Address Grouping (.1Qcx)
    - The way YANG is used is different between usage for read-write data and read-only data
        - Read-write data : use modelling to ensure consistency of the configured values
        - Read-only: the values are reported so they should not be constrained in the modelling
    - Data in the management address grouping is read-only
        - → No constraints should be used for reported values. If wrong values are received, they should still be reported
    - Current proposal was discussed via mail and presented on the call
    - See Annex A: Suggested Solution for the text of the current proposal
- IETF Module on Ethertypes
    - See https://tools.ietf.org/html/draft-ietf-netmod-acl-model-21
    - Plan of action for Vancouver Meeting
    - This will have to be discussed at the face-to-face as people needed for the discussion could not make today's call
- IEEE website for YANG modules
    - Stephan summarized the current state of the YANG website
    - The following questions are still open:
        - Do we want a local copy for all the YANG modules (as we currently have it with MIBs)?

        - What should the filenames for the YANG modules be?
        - When should the YANG modules (same for MIBs) be put on the website? Publication date or availability of the corresponding standard via IEEEget?
        - Do we have a complete list of all the YANG files that need to be published on the website (i.e. that have been published in 802.1 standards)?
    - Action item for Vancouver: discuss the points and get a decision on how to proceed
- YANG catalog
    - Meta Data
        - Meta-Data is needed to be added to the YANG catalog
        - https://yangcatalog.org/contribute.html
    - Discussion on continued management of the IEEE folder in the YANG catalog
    - The YANG Catalog is being taken over by the IETF tools team
    - Still need to come to closure on the workflow related to the use of the GitHub repository portion of the YANG Catalog. This topic and Stephen's website list are part of the same discussion.
- Vancouver Planning
    - Agenda items for the face-to-face meeting
    - Motion for additional calls of the YANGsters
        - Potential new call time, Last Tuesday of the month at 1000 EDT
            - In March the North America changes to daylight savings 10 March, and Everywhere else that observes DST on 31 March
            - PDT = Pacific Daylight Time, EDT = Eastern Daylight Time, CET = Central Europe Time, CEST = Central Europe Summer Time, CST = China Standard Time
            - So the March meeting would be at 0700 PDT, 1000 EDT, 1500 CET, 2200 CST
            - Subsequent Summer meetings: 0700 PDT, 1000 EDT, 1600 CEST, 2200 CST
- Brief update on the current situation regarding YANG work and the IEEE open source platform. Further discussion on this topic will be necessary.
    - Need to understand the relationship between the IEEE Open Source activity and the YANG Catalog activity
    - Jodi Haasz will review the Open Source and Pilot information and raise a discussion during the Vancouver meeting.

Annex A: Suggested Solution

```
typedef transport-protocol {
  type enumeration {
    enum "udp" {
      description
        "UDP Type";
    }
    enum "tcp" {
      description
        "TCP type";
    }
    enum "sctp" {
      description
        "SCTP type";
    }
  }
  description
    "Transport protocol.";
}

grouping management-address-grouping {
  description
    "Defines the Management Address.";
  reference
    "21.5.3.5 of IEEE Std 802.1Q-2018";

  leaf domain {
    type yang:object-identifier-128;
    mandatory true;
    description
      "The domain type.";
  }

  choice management-address {
    description
      "Selects the management address";

    case ip {
      description
        "Represents an IP TCP, UDP, or SCTP transport
```

```
      address consisting of an IPv4/v6 address, and a port
      number.";

    leaf ip-address {
      type inet:ip-address;
      mandatory true;
      description
        "IPv4 or IPv6 address.";
    }
    leaf ip-port {
      type inet:port-number;
      mandatory true;
      description
        "IP port.";
    }
  }

  case local {
    leaf local-address {
      type string {
        length '1..255';
      }
      mandatory true;
      description
        "Represents a POSIX Local IPC transport address.";
    }
  }

  case dns {
    leaf dns-address {
      type string {
        length "1..255";
      }
      mandatory true;
      description
        "The transport domain using fully qualified domain
         names. Represents a DNS domain name followed by a colon
         ':' (ASCII character 0x3A) and a port number in ASCII.
         The name SHOULD be fully qualified whenever possible.";
    }
  }
}
```

```
}
```