A Data Manifest for Contextualized Telemetry Data

draft-ietf-opsawg-collected-data-manifest

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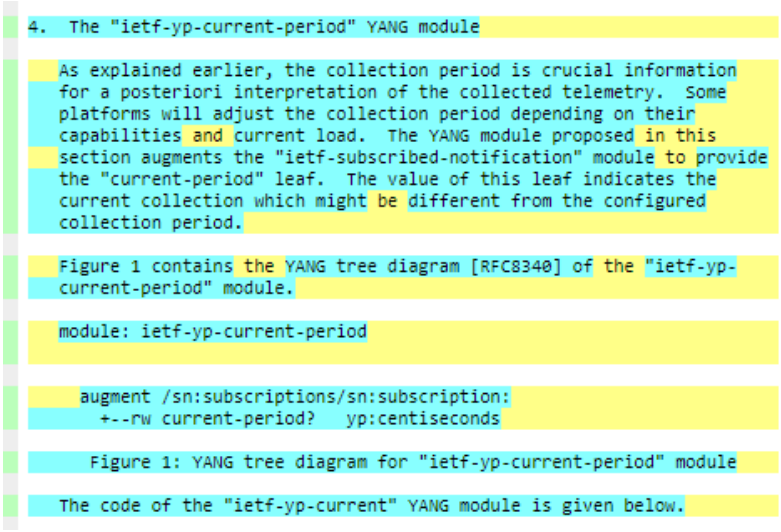
IETF 122, OPSAWG

Changes

Changes based on comments from WGLC. THANKS!!!

- Renamed “ietf-data-collection-manifest-statistics” module to “ietf-yp-current-period” and added a dedicated section



```
4.  The "ietf-yp-current-period" YANG module

   As explained earlier, the collection period is crucial information
   for a posteriori interpretation of the collected telemetry.  Some
   platforms will adjust the collection period depending on their
   capabilities and current load.  The YANG module proposed in this
   section augments the "ietf-subscribed-notification" module to provide
   the "current-period" leaf.  The value of this leaf indicates the
   current collection which might be different from the configured
   collection period.

   Figure 1 contains the YANG tree diagram [RFC8340] of the "ietf-yp-
   current-period" module.

   module: ietf-yp-current-period


     augment /sn:subscriptions/sn:subscription:
       +--rw current-period?   yp:centiseconds

      Figure 1: YANG tree diagram for "ietf-yp-current-period" module

   The code of the "ietf-yp-current" YANG module is given below.
```

Changes

- Platform manifest module:
  - Remove need to use YANG Schema Mount for the platform-manifest (dropped support of YANG semver)
  - Define a grouping for the platform characteristics

```
        }
        yangmnt:mount-point "yang-library";
      }
```

```
            associated to a particular id is replaced. ";
        }
        uses platform-details;
        uses yanglib:yang-library-parameters;
      }
```

- Data collection manifest module:
  - Changed to example as design-time mount is not supported by YANG schema mount

```
module: ietf-data-collection-manifest
  +--ro data-collections
     +--mp data-collection* [platform-id]
        +--ro platform-id    -> /p-mf:platforms/p-mf:platform/p-mf:id
```

```
module: example-collection-manifest
  +--ro data-collections
     +--mp data-collection* [platform-id]
        +--ro platform-id    -> /p-mf:platforms/p-mf:platform/p-mf:id
```

Changes

- Reworked section about associating a data-point to a data manifest to make it more clear
- Validated example

```
Appendix D.  Validating the Example

   This section provides the command line for validating the example in
   Figure 4 using [yanglint].  The files "data-collection-extension-
   data.xml" and "data-collection-toplevel-yanglib.xml" are provided in
   the previous section.  The file "manifests-example.json" in the one
   from Figure 4.

   yanglint -e -x data-collection-extension-data.xml \
           -Y data-collection-toplevel-yanglib.xml \
           manifests-example.json
```

- Added security and IANA considerations

Open Questions

- Platform manifest is currently aligned with YANG catalog, to enable a posteriori retrieval of the module. Med suggested to align with existing modules (RFC7317, RFC8348) to facilitate the implementation effort. Question was asked on the list last week. Any feedback?

Feedback, suggestions, issues, PRs: https://github.com/JeanQuilbeufHuawei/draft-collected-data-manifest