Module Tags - 03

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Update since IETF 103

- Adopted all suggestions from WGLC
    - Added extension statement for pre-defined tags
    - Minimally constrain tag value to string w/o control chars (tab, ff, nl, cr)
    - Clarify minimal structure of tag (std prefix only)
    - Tree structure slightly modified.
    - Nits

Extension Statement

- Replace defining tags in module description text.

- "This extension statement is used by module authors to indicate the tags that SHOULD be added automatically by the system. As such the origin of the value for the pre-defined tags should be set to 'system'.";

```
extension module-tag {
  argument tag;
  description
    "The argument 'tag' is of type 'tag' [...]";
}
```

```
typedef tag {
  type string {
    length "1..max";
    pattern '[a-zA-Z_][a-zA-Z0-9\-_]*:[\S ]+';
  }
  description
    "A tag value is composed of a standard prefix followed by any type
     'string' value that does not include carriage return, newline or
     tab characters.";
}
```

Module Changes

Old Yang

```
module: ietf-module-tags
   +--rw module-tags* [name]
      +--rw name        yang:yang-identifier
      +--rw tag*        string
      +--rw masked-tag* string
```

New Yang

```
module: ietf-module-tags
  +--rw module-tags
     +--rw module* [name]
        +--rw name yang:yang-identifier
        +--rw tag*        tag
        +--rw masked-tag* tag
```

Other WGLC

- A request for non-NMDA appendix – with a couple disagree.
    - This is really new work, don't see the need.
    - The more modules that require NMDA, more pressure for deployment.
- An email exchange clarifying/justifying use.
- Done?

- server-side mutually exclusive modules (ietf, openconfig)
- client-side "dontuse" inform NMS to not use b/c buggy.

Backup Slides (Ex 2)

- replace device meta-module tree with flat tags

```
module: meta-module
    +--device
       +--system-management
          +--system-management-protocol
             +--ssh

module: ietf-ssh-server
[...]
"ietf:software"
"ietf:protocol"
"ietf:system-management"
```