Modeling JSON Text with YANG

`draft-lhotka-netmod-yang-json-02`

Ladislav Lhotka

⟨*lhotka@nic.cz*⟩

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Diff against *draft-lhotka-netmod-yang-json-01*

- no changes to the translation procedure,

- many new examples in the text,

- a realistic example in Appendix A – translation of a `<get>` reply from Appendix D of *draft-ietf-netmod-interfaces-cfg-12*,

- additional clarifications.

Example

```
{                                          JSON object always at the top
  "interfaces": {                  container
    "interface": [              list
      {
        "name": "eth1.10",
        "type": "l2vlan",
        "enabled": true,                    leafs
        "base-interface": "eth1",
        "vlan-id": 10
      },
      ...
    ]
  }
  ...
}
```

Implementations

1. **pyang** – plugins for both directions of the XML↔JSON translation:

   - *jsonxsl* – takes a data model (set of YANG modules) and generates an XSLT 1.0 stylesheet that can be used repeatedly for translating any compliant XML to JSON.

   - *jtox* – opposite direction.

2. **YumaPro** – RESTCONF API.

Document Status

- The translation is now stable, no known issues.

- If RESTCONF becomes a WG item in NETCONF, then this draft should become a WG item in NETMOD.