Ephemeral Dynamic Datastore

An Author's discussion

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draft-ietf-netmod-revised-datastores-03

1. Name   : ephemeral
   2. YANG modules   : all (default)
   3. YANG statements : config false + ephemeral true
   4. How applied   : automatic
   5. Protocols   : NC/RC (default)
   6. YANG Module   : (see below)

```
 module example-ds-ephemeral {
  yang-version 1.1;
  namespace "urn:example:ds-ephemeral";
  prefix eph;

  import ietf-datastores {
    prefix ds;
  }
  import ietf-origin {
    prefix or;
  }
```

```
// add datastore identity
  identity ds-ephemeral {
    base ds:datastore;
    description
      "The 'ephemeral' datastore.";
  }

  // add origin identity
  identity or-ephemeral {
    base or:dynamic;
    description
      "Denotes data from the ephemeral dynamic datastore.";
  }
// define ephemeral extension
  extension ephemeral {
    argument "value";
    description
      "This extension is mixed into config false YANG nodes to
       indicate that they are writable nodes in the 'ephemeral'
       datastore.  This statement takes a single argument
       representing a boolean having the values 'true' and
       'false'.  The default value is 'false'.";
  }
 }
```

RESTCCONF + Ephemeral data

- Entity tag definition for edit-collision
- If I2RS creates a dynamic datastore draft, should it discuss how section:
  - "with defaults" – How RFC8040 section 3.5.4 is adapted for dynamic work,
  - "with validation" – How validation is normally handled,
  - "how client edit collisions are handled – RFC 8040 3.4 or

Ephemeral Dynamic Database

3. Ephemeral dynamic datastores are excluded from RFC8040

   – If I2RS creates an dynamic ephemeral datastore draft, then it should discuss the following:

   – "with defaults" setting – that section 3.5.4 to not keep data after a reboot, but to provide some default setting upon being downloaded.

   – "entity tag" (RFC 3.5.2) – adaptation to provided client and priority,

   – Restriction of ephemeral dynamic datastores to exclude the "rollback

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