

RESTCONF Protocol

draft-ietf-netconf-restconf-07
NETCONF WG
IETF #93 Prague

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v0.2

Agenda

- Review resolution proposals for open issues
 - <https://github.com/netconf-wg/restconf/issues>
- Next Steps

#17: leaf-list as resource

- Text does not identify leaf-list as a data resource
 - 3.5. Data Resource
 - A data resource represents a YANG data node that is a descendant node of a datastore resource. Each YANG-defined data node can be uniquely targeted by the request-line of an HTTP operation. Containers, leafs, list entries and anyxml nodes are data resources.
- Proposal: add leaf-list as a data resource
 - Containers, leafs, **leaf-lists**, list entries and anyxml nodes are data resources.

#18: depth parameter and anyxml

- Text does not clarify if anyxml counts as 1 level or N levels
 - Sec. 4.8.2:
 - The first nest-level consists of the requested data node itself. Any child nodes which are contained within a parent node have a depth value that is 1 greater than its parent.
- Proposed solution: allow anyxml to be 1 level
 - Add new last sentence:
 - The server MAY treat an entire “anyxml” subtree as 1 level.

#19: fields parameter and anyxml

- Text does not clarify if anyxml sub-nodes can be selected
 - Sec. 4.8.2:
 - The "fields" query parameter is used to optionally identify data nodes within the target resource to be retrieved in a GET method. The client can use this parameter to retrieve a subset of all nodes in a resource.
- Proposed solution: allow anyxml subtrees to be opaque for filter selection
 - Add new sentence:
 - The server MAY ignore a field which selects a node within an "anyxml" subtree

#24: mandatory encoding revisited

- The issue of XML as mandatory encoding has been raised again.
 - The WG needs to decide if a JSON-only server is allowed
 - If so, what text needs to be changed or added
- No real proposal from authors
 - Mandatory XML encoding makes interoperability easier
 - JSON-only server will have smaller footprint

#25: support for YANG 1.1

- The YANG 1.1 "action" is not yet supported in RESTCONF.
 - Need to specify how action is invoked and provide an example
 - YANG 1.1 needs to be examined to determine if any other changes to YANG affect the RESTCONF protocol

Next Steps

- Issues #17, #18, #19 need minor edits
- Issue #24 needs discussion and resolution
- Issue #25 needs solution then discussion
 - RESTCONF is blocked until YANG 1.1 is published
- Then draft is ready for WG LC