

An HTTPS-based Transport for YANG Notifications

draft-ietf-netconf-https-notif-08

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No Updates to the draft

- Discussion around capability fetching mechanism.

Use of 'sx:structure' extension

- Defined in RFC 8791
- Need a third module to implement the 'sx:structure' extension
- On the wire format will be identical except for the addition of a namespace

URI vs YANG Identities

- Depends on 'sx:structure' change
- A new module being created
- Defines a new base identity 'transport-capabilities'
- Derive four new sub-identities
 - xml
 - json
 - rfc8639-enabled
 - binary
- Preserves ability for modules to define custom capabilities
- Eliminates the need for IANA registry

Q & A

Recap



- Resource URL is configured
 - Used for both notifications and capability
 - e.g. /events/v5/
- Capability fetching is optional
 - Publisher can publish notifications with default capabilities
 - Default Encoding – JSON
- When desired
 - Capability can be had with a GET

Concerns

- Over engineering
- No need for off-line format
- More data than needed when using data export capabilities
 - UDP transport information
- More so if the receiver is a NETCONF/RESTCONF server