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