



BINARY ENCODING

DRAFT-MAHESH-NETCONF-BINARY-ENCODING

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INTRODUCTION

- ALTERNATE FORM OF ENCODING

- URI

URN:IETF:PARAMS:NETCONF:CAPABILITY:ENCODING:1.0?FORMAT={NAME, ...}

- <ACTIVATE>

WHAT IS ENCODED?

- EVERYTHING ABOVE THE “MESSAGE” LAYER
 - FIGURE 1 OF RFC 6241
- RPCS, ERROR MESSAGES REMAIN IN XML

ENCODING FORMATS

- ENCODINGS SUPPORTED
 - CBOR
 - CBOR + SID
 - JSON
 - GPB
 - THRIFT
- QUESTION – HOW TO TRACK REVISIONS OF A ENCODING FORMAT?
 - CBOR 1.0
 - CBOR 2.0
- IDENTITY DEFINITION
 - NO YANG MODEL IN THE DRAFT (CURRENTLY)
 - UPDATE IETF-RESTCONF?

RESTCONF

- NEW CAPABILITY

URN:IETF:PARAMS:RESTCONF:CAPABILITY:ENCODING:1.0?FORMAT={NAME, ...}

- HTTP “CONTENT-TYPE” HEADER

NOTIFICATIONS

- SUBSCRIBED NOTIFICATIONS
 - SUPPORTS CHANGING ENCODING

NEXT STEPS

■ UPDATE DRAFT

TREE DIAGRAM

module: ietf-netconf-am

+--ro nam

+--ro accounting-record* [task-id]

+--ro task-id uint32

+--ro session-id? nc:session-id-type

+--ro acct-code enumeration

+--ro date-time yang:date-and-time

+--ro src-ip inet:ip-address

+--ro group nacm:group-name-type

+--ro user? nacm:user-name-type

+--ro path nacm:node-instance-identifier

+--ro action nacm:access-operations-type

+--ro rule? string

+--ro status? nacm:action-type

Q&A