

Protocol Update

Forwarding and Control Element Separation
(IETF88 Vancouver, .ca, Nov 2013)

Jamal Hadi Salim <hadi@mojatatu.com>

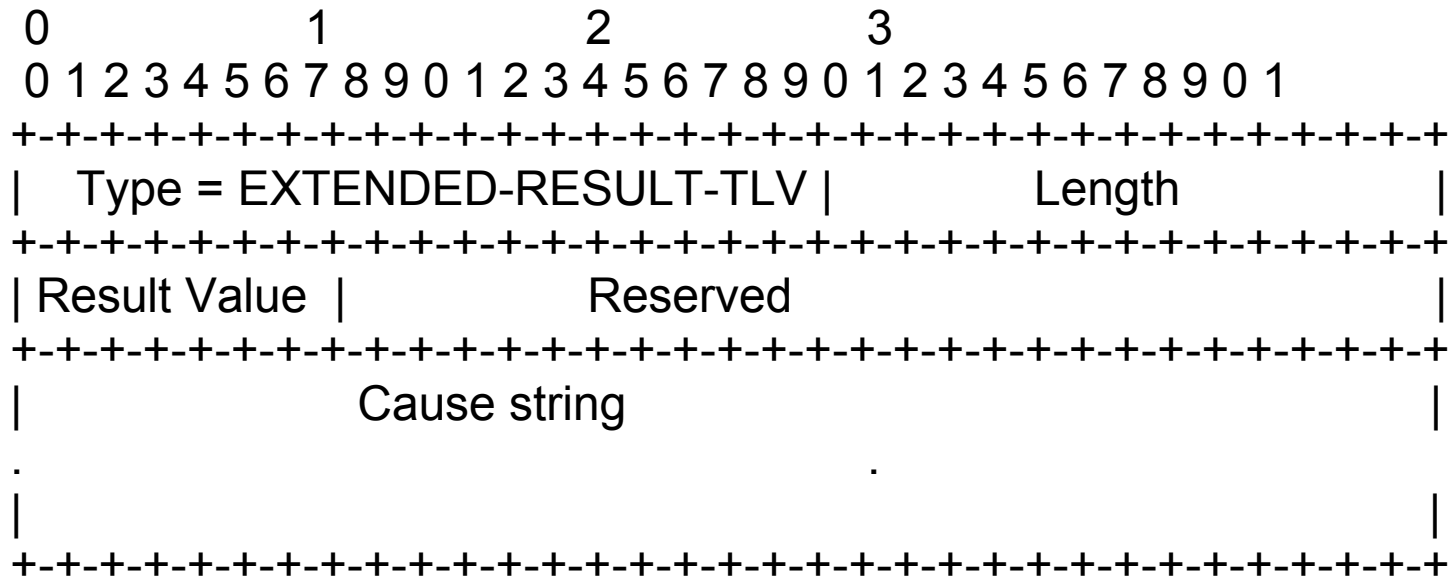
Table append

- Removed from the document
- Plan to write another document later to talk about append vs replace vs exclusivity

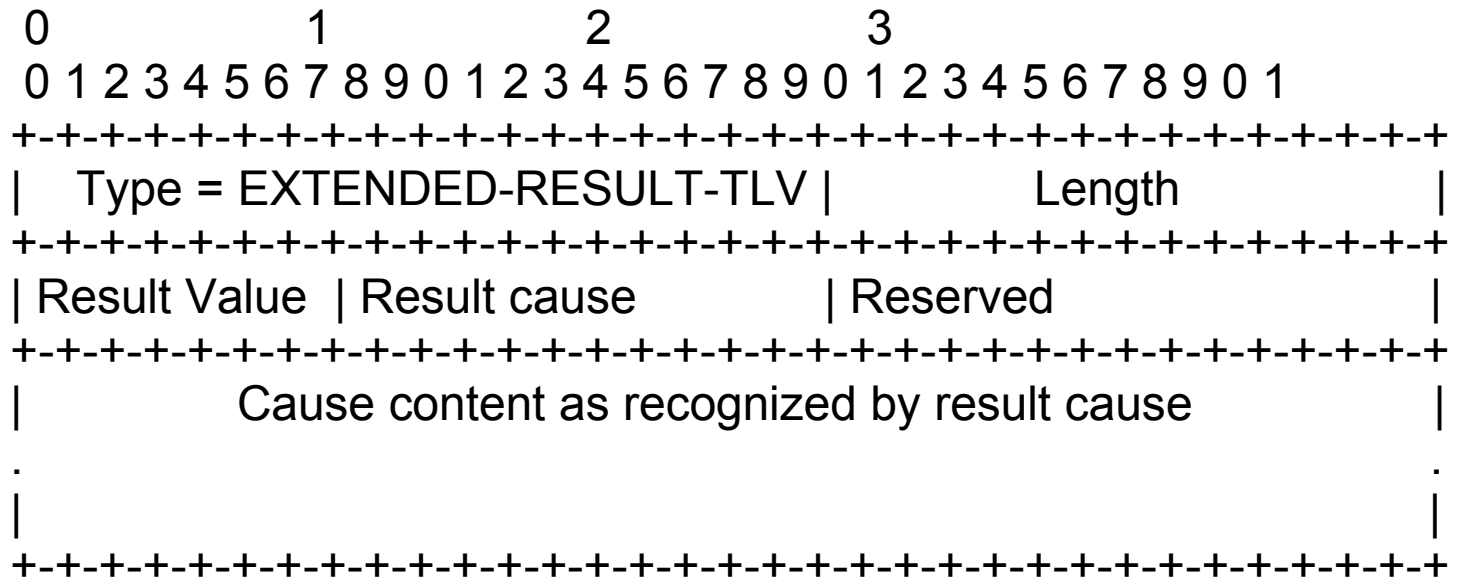
Table Range Query

- Table range TLV for GET/DEL
 - Pathdata flag to indicate it is a table range
 - Contents to include start/end of range
- Implementation for Del
 - Back on the list after further experience
 - Send one response back for all deletes
 - If any succeeded, then Success
 - If all failed, then failure

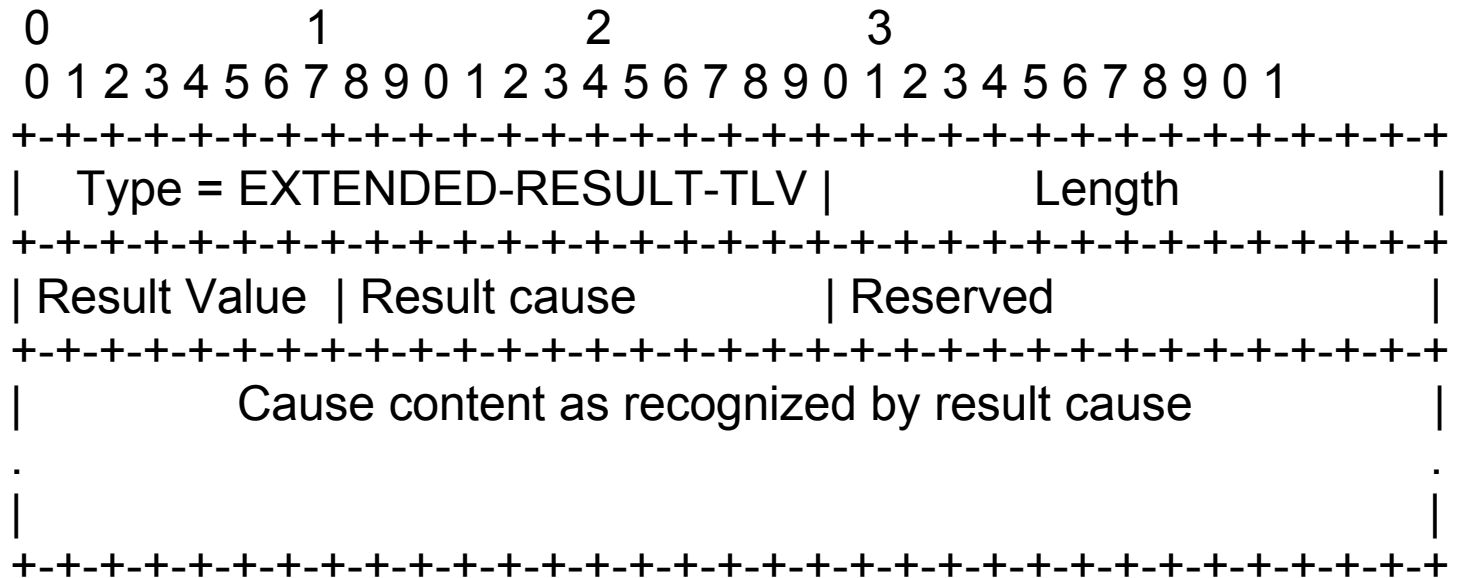
Current: Extended Result TLV



New: Extended Result TLV



New: Extended Result TLV



New: Large Sparse Data

- Sparse Data TLV has 16 bit length
 - contain ILVs which have 32 bit length
 - The 16bit is also consumed by ILV overhead
 - At time > 50% depending on LFB
- Several approaches:
 - Break down the data into multiple chunks
 - Usability burden is on application developer
 - Introduce a new super-sparse-tlv
 - Make the “L” interpretation to be 4B instead of 1B
 - Confusion if bad implementation