draft-ietf-opsawg-discardmodel-02

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- Information model (RFC 3444) + semantics rather than data model

  “IMs are primarily useful for designers to describe the managed environment, for operators to understand the modeled objects, and for implementors as a guide to the functionality that must be described and coded in the DMs.

  ...

  IMs can be implemented in different ways and mapped on different protocols. They are protocol neutral.

  ...

  The document specifying the IM is usually an Informational RFC whereas the document defining the DM usually follows the Standards Track

  ...

  In general, it seems advisable to use object-oriented techniques to describe an IM.”

What’s substantively different from -01

- Information model now modelled as as an abstract data structure in YANG, in accordance with RFC 8791 - YANG Data Structure Extensions

What’s involved in implementation

Underlying hardware counters

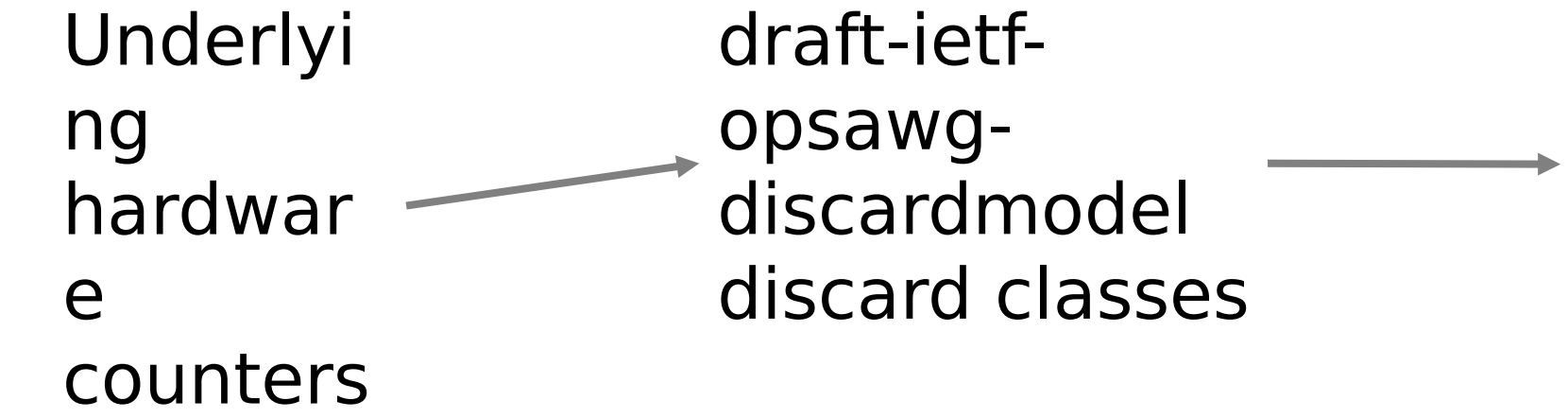
draft-ietf-opsawg-discardmodel discard classes

From 64 to 256 underlaying hardware drop counters, depending on platform

Known Implementations

- Broadcom: Trident, Tomahawk 1, Tomahawk 3
- Cisco: Q200L
- Juniper: MX, PTX, QFX
- Marvell: TL7

What’s involved in implementation



From 64 to 256 underlaying hardware drop counters, depending on platform

Possible subsequent data models for NETCONF/Yang or IPFIX

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- What’s required from the WG to progress the draft?