

MIB for the UDP-Lite protocol

draft-renker-tsvwg-udplite-mib-01

Presentation to TSV WG

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MIB for UDP-Lite [RFC 3828]

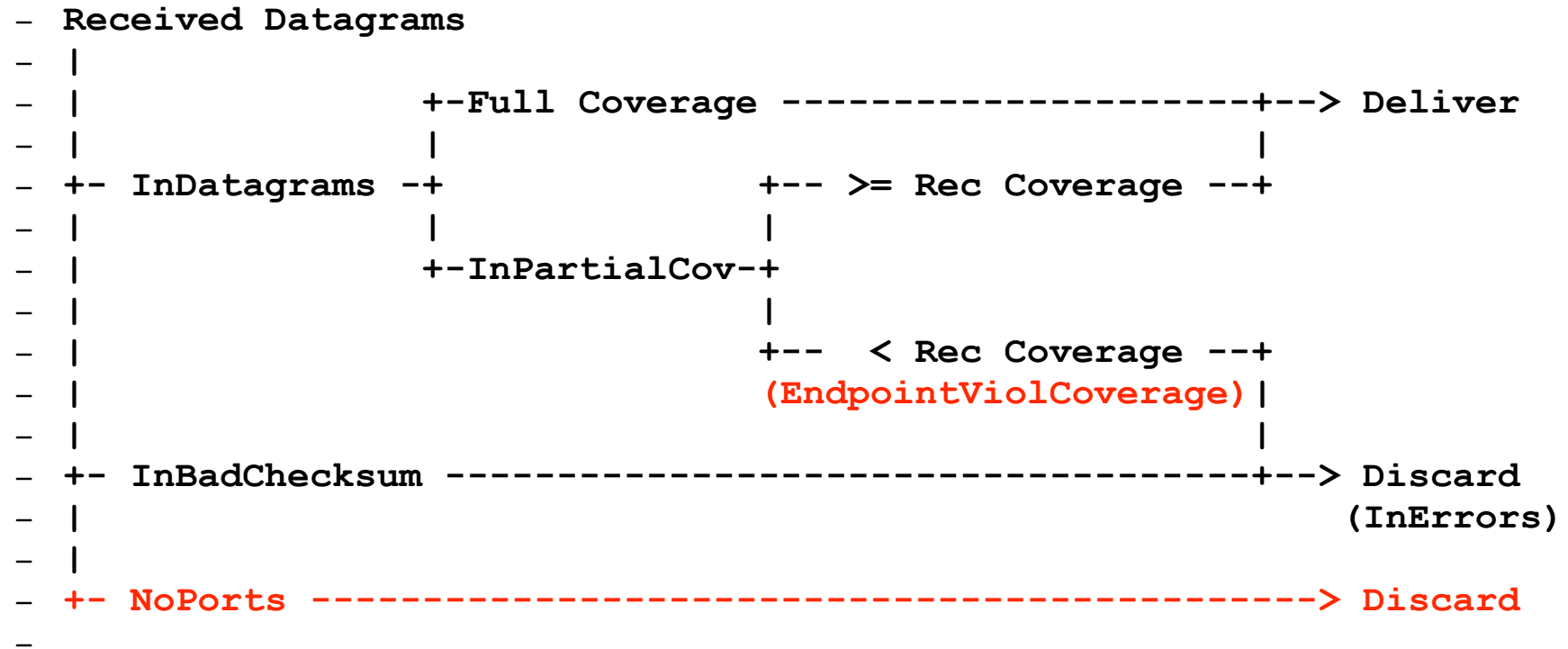
- Linux 2.6.20 UDP-Lite for IPv4/IPv6
- MIB shares basics with UDP-MIB (RFC 4113):
 - **InDatagrams, NoPorts, InErrors, OutDatagrams**
- **New** in UDP-Lite MIB:
 - **InPartialCov** – *InDatagram* with partial coverage
 - **InBadCoverage** – *InError* with bad coverage value
 - **InBadChecksum** – *InError* due to failed checksum
 - **OutPartialCov** – *OutDatagram* with partial coverage
 - **A new endpoint table**

Changes in rev -01

All counters are now 64-bit counters

Fixed minor NiTs with formatting and definitions

Figure 1 Update



Changes proposed for rev -02

Correction to Figure 1

Use of only one MIB identifier (Bill Fenner)

Extended MIB to track multiple processes with same open port

Not clear if this is a current major issue

Adds <some> complexity to the MIB

Not a unique problem to UDP-Lite MIB

- do we attempt to solve for each MIB or consistently for all transport MIBs?

Any more comments?

Conclusions & Further Work

- Make rev-02
- Finished?

- Can we make this a tsvwg work item?

NiTS

- **Section 1**
 - the addition of a single (socket) option, which
 - value. **At**
- **Section 1.1**
 - not include datagrams **that** are
 - mention noports, specifically does not increment Inerrors as in RFC4113?
 - perhaps a short bullet list of standard counters would be good?
 - additionally counted by InErrors. (Note: InBadCoverage does not include datagrams **that** are a **more** recent protocol
 - Figure 1 nit (see next)
 - InBadCoverage has been removed
- **Section 1.3**
 - (a wrong value
 - A non-zero **counter value of** InBadCoverage
 - **In all other cases, <-- not sure about these words, can we omit them?**
 - "both the link bit error rate " (or path bit error rate, if there are more than two error-prone links)
 - a setting may then be found **that** is more
 - sends **that** is less than
- **Section 2**
 - and YYY with IANA values) --- replace YYY etc, following Bill Fenner
 - value (as defined **in** RFC 3828).
 - The minimum checksum coverage expected by this endpoint (**as defined in RFC 3828**).
 - checksum coverage **were** strictly smaller than the minimum, **as defined in RFC 3828**)."
- **Section 5**
 - IANA considerations replace YYYY with XXXX.
- [RFC4113] is informative