

draft-venaas-bier-mtud-02
BIER MTU Discovery
IETF 103

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BIER MTU discovery

Idea is to find an MTU value that is mostly stable and can be used for all BIER packets in a sub-domain, rather than finding the optimal MTU per receiver set and path

Changes since rev 01

- The discovered MTU is the maximum size BIER packet
 - Size after encapsulation
 - Previously it was IP packet size
 - Ingress router subtracts encapsulation overhead to find IP size
- Implementations should allow configuration of minimum MTU
 - Helps avoid that misconfiguration of a single link causes the entire sub-domain MTU to be reduced
 - Packets that should travers the too small link likely to get dropped, but other packets not impacted
 - Recommend logging warnings if a link with less than minimum MTU is detected.

Next steps

Adopt as WG item?