

MRT Status

draft-ietf-grow-mrt-01.txt

IETF 64 – GROW WG

MRT Review

- ★ Binary format to record routing information with timestamps
- ★ Originally developed for Multithreaded Routing Toolkit (MRT)
- ★ Used by a number of other routing daemons and tools (Zebra/Quagga, OpenBGPD, C-BGP, etc.)
- ★ Primarily used for BGP messages and RIB table dumps
 - ★ Routeviews and RIPE RIS archives
- ★ Also supports OSPF, ISIS, RIP

MRT Review - basic header format



MRT -01 Draft changes

- ★ Added support for microsecond timestamps for OSPF with new OSPF_ET type
 - ★ OSPF_ET type also adds supports OSPFv3 (Ipv6)
- ★ Added a security considerations section

Proposed updates for -02 draft

- ★ IANA Considerations section for Type/Subtype codes
 - ★ Specify registry 16-bit type and subtype fields
 - ★ Allows possible future extensions such as a compressed format for RIB table dumps
- ★ Support for 4-byte AS numbers
 - ★ 4-byte AS draft is moving forward
 - ★ Relatively trivial to add as MRT leaves attribute data as abstract information to be interpreted at the application level
 - ★ AS number only explicitly encoded for source and destination AS for BGP4MP Message and State Changes subtypes
- ★ Does anyone care about microsecond timestamps for RIP?