YANG Data Model for ARP

RTGWG IETF 101

draft-ding-rtgwg-arp-yang-model-01

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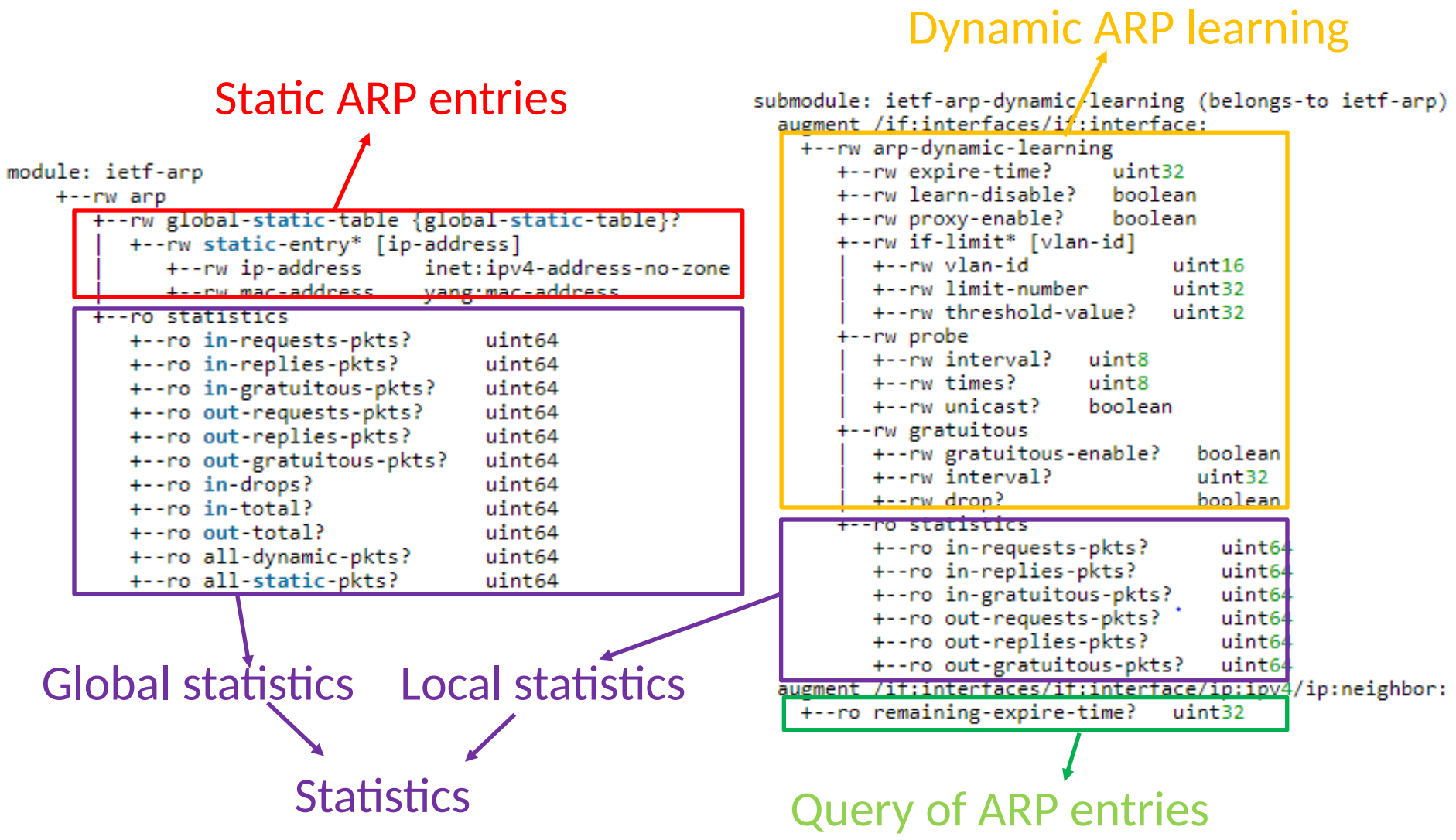
Recap

- This draft was firstly discussed in last RTGWG meeting in Singapore and there was agreement to proceed this work in RTGWG working group.
- After IETF 100 Singapore meeting, comments were received from *Reshad Rahman* and *Robert Wilton* from Cisco in rtgwg mailing list, *Alex Campbell* from *Aviatnet* in the netmod mailing list.
- Update since last IETF 100:
  - Aligned with RFC 7223bis & RFC 7277bis
  - Removed VRF related parameters in version -00
  - Clarified the relationship of static ARP entries configuration in RFC 7277bis
  - NMDA compliant
  - New co-author (Robert Wilton)

Why this draft in RTGWG

- Different vendor has different private YANG module to implement ARP functions(e.g., aging (timeout(vendor A), expire-time(vendor B)), interval (detect-interval(vendor A), arp-interval(vendor B)).
- Each private model requires vendor specific mapping.
- Service providers need many interoperability test tool to manipulate massive devices running proprietary ARP from various different vendors.
- This YANG model will be useful for service providers running BNGs (Broadband network gateway) with tens of thousands of subscribers per BNG which perform proxy ARP.

Model Overview



Next Steps

- Have addressed comments received so far.

- Ask for WG adoption