YANG Data Model for ARP

NETMOD IETF 100
draft-ding-netmod-arp-yang-model-00

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Problems and Possible Solutions

• Problem
  – Different vendor has its own private YANG module to implement ARP function
  – Service provider needs many ARP YANG modules to manipulate massive devices

• Solution: extract some common properties that need to be configured
  – unique identifier for a ARP configuration function. E.g. aging (timeout, expire-time), interval (detect-interval, arp-interval)
  – common properties. E.g. Static ARP Entry, dynamic ARP entries, proxy ARP
ARP configuration

- `arp-static-tables`
- `expire-time`
- `arp-learn`
- `arp-proxy`
- `arp-prob-grouping`
- `arp-gratuitous-grouping`
- `arp-if-limits`
Next Steps

• Align with other models
• Solicit comments
• WG consensus