

# YANG Data Model for ARP

## draft-ietf-rtgwg-arp-yang-model -03

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# Recap – What does this ARP model cover

- This draft covers the extra bits of ARP implementations that many vendors support, but ietf-ip doesn't cover, e.g.
  - Proxy ARP, Grat ARP configuration, etc.
  - ARP statistics

```
module: ietf-arp
```

```
+--rw arp
```

```
+--rw dynamic-learning? boolean
```

```
augment /if:interfaces/if:interface/ip:ipv4:
```

```
+--rw arp
```

```
+--rw expiry-time? uint32
```

```
+--rw dynamic-learning? boolean
```

```
+--rw proxy-arp
```

```
| +--rw mode? enumeration
```

```
+--rw gratuitous-arp
```

```
| +--rw enable? boolean
```

```
| +--rw interval? uint32
```

```
+--ro statistics
```

```
+--ro in-requests-pkts? yang:counter32
```

```
+--ro in-replies-pkts? yang:counter32
```

```
+--ro in-gratuitous-pkts? yang:counter32
```

```
+--ro out-requests-pkts? yang:counter32
```

```
+--ro out-replies-pkts? yang:counter32
```

```
+--ro out-gratuitous-pkts? yang:counter32
```

```
augment /if:interfaces/if:interface/ip:ipv4/ip:neighbor:
```

```
+--ro remaining-expiry-time? uint32
```

# Changes since -02 (IETF 104)

- Editorial improvements to YANG module, security sections
- Based on 104 WG discussion, removed ARP specific discontinuity timestamp added in -02 version, and added description to refer to the interface counters discontinuity counter
- Added proxy ARP and gratuitous ARP example
- Removed ARP dynamic learning example

# Next Steps

- WGLC