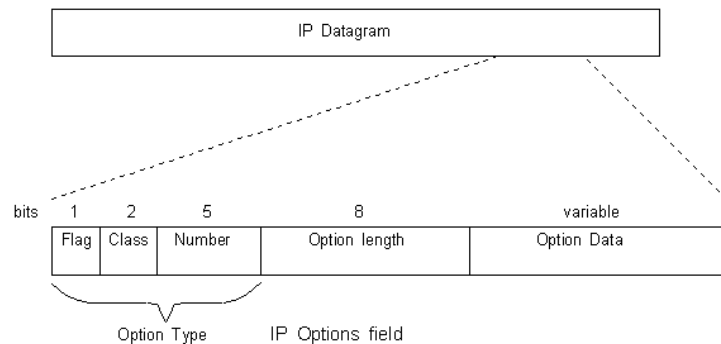


IP-Option to identify IP packet with telemetry records

- Telemetry Aware nodes



- **Copied Flag : 1 (Copy option to all fragments)**
- **Option Class : 2 (debugging and measurement)**
- **Option Number : 31 (programmable),**
- **Length = 2, Data : 16 bits (all 0s reserved for future use)**
- **All source, sink and transit nodes should process this IP option for telemetry processing.**
- **This IP option will not coexist with other options. All L4 headers will be after this IP option.**

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- Telemetry unaware nodes

- Such nodes should implement this IP-option bypass in data path while keeping other IP-options processing as-is. Such packets should never be punted to CPU but gets forwarded in data path like any other packet.
- ECMP hash calculation from L4-headers should be same as any other packet when packets with this IP-option are forwarded in data path.