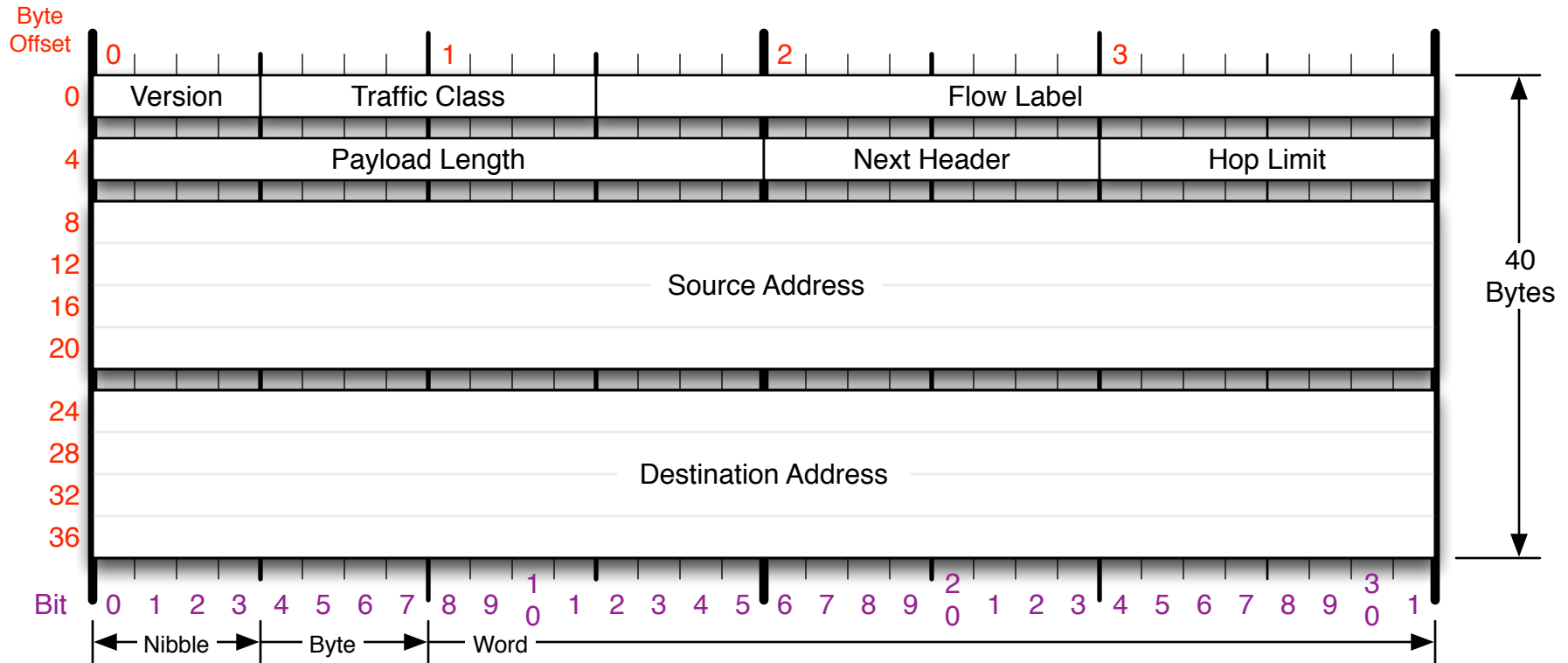


# IPv6 Header



## Version

Version of IP Protocol. 4 and 6 are valid. This diagram represents version 6 structure only.

## Traffic Class

8 bit traffic class field.

## Flow Label

20 bit flow label.

## Payload Length

16-bit unsigned integer. Length of the IPv6 payload, i.e., the rest of the packet following this IPv6 header, in octets. Any extension headers are considered part of the payload.

## Source Address

128-bit address of the originator of the packet.

## Next Header

8-bit selector. Identifies the type of header immediately following the IPv6 header. Uses the same values as the IPv4 Protocol field.

## Destination Address

128-bit address of the intended recipient of the packet (possibly not the ultimate recipient, if a Routing header is present).

## Hop Limit

8-bit unsigned integer. Decremented by 1 by each node that forwards the packet. The packet is discarded if Hop Limit is decremented to zero.

## RFC 2460

Please refer to RFC 2460 for the complete Internet Protocol version 6 (IPv6) Specification.