

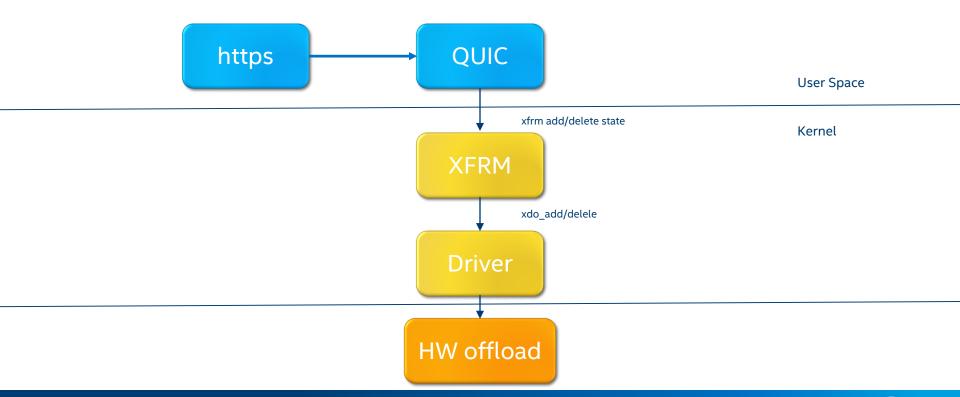
# **QUIC HW OFFLOAD SUPPORT**

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### RFC

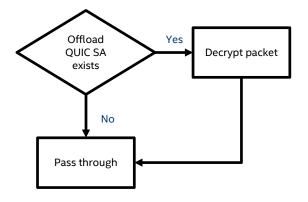
- Asked Steffen if XFRM was a valid interface to enable QUIC offload and he suggested I bring it up here.
- So purpose here is to gage if this would be a valid approach.
- Very much an RFC

### Using XFRM to offload QUIC encrypt/decrypt

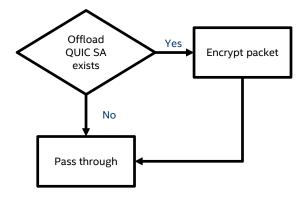


### HW offload functionality

#### Ingress



#### **Egress**



### Example of XFRM interface extention

ID := [ src ADDR ] [ dst ADDR ] [ proto XFRM-PROTO ] [ spi SPI ] [ qport QUIC-UDP-PORT ] [ qversion QUIC-VERSION ] [ qcid QUIC-CONNECTION-ID ]

XFRM-PROTO := esp | ah | comp | route2 | hao | quic

ip xfrm state add ID [ALGO-LIST] .. [ init-seq-num INITIAL-SEQUENCE-NUM ]

RED = New additions for QUIC support

## Thoughts?



