

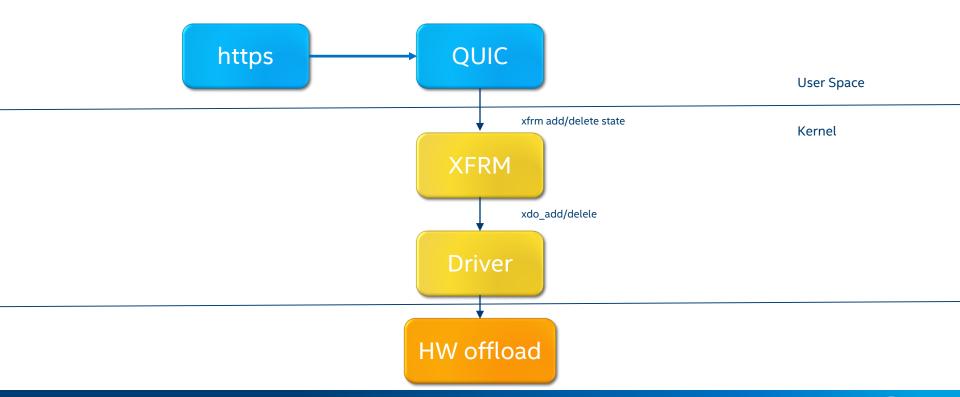
QUIC HW OFFLOAD SUPPORT

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RFC

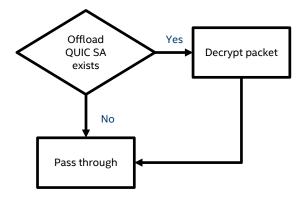
- Asked Steffen if XFRM was a valid interface to enable QUIC offload and he suggested I bring it up here.
- So purpose here is to gage if this would be a valid approach.
- Very much an RFC

Using XFRM to offload QUIC encrypt/decrypt

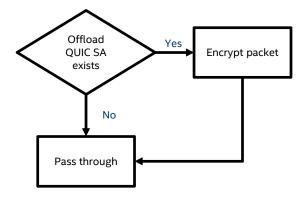


HW offload functionality

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?



