If ARP (checking ethertype) ->

It means switch does not know how to route

* Send message out as if the controller was a switch
* allow and add ARP packet to flow: ARP type, source destination

Else if IP (still on ethertype) ->

If ICMP let it through and inbstall rule

Else if TCP: only apply rule if allowed

Else if UDP: only apply rule if allowed

Other important things:

If a destination is not in the table need to flood message on all ports

eth\_packet = event.parsed

if eth\_packet.type == eth.ARP\_TYPE

arp\_packet = eth\_packet.payload

if eth\_packet.type == eth.IP\_TYPE

ip\_packet = eth\_packet.payload

if ip\_packet.protocol == ip.TCP\_PROTOCOL:

tcp\_packet=ip\_packet.payload