

OpenFlow v1.2

Features List

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Matching	Ingress port
fields	Ethernet source MAC
	Ethernet source MAC address mask
	Ethernet destination MAC
	Ethernet destination MAC mask
	Ethernet type
	VLAN id
	VLAN priority
	IPv4 source address
	IPv4 source address mask
	IPv4 destination address
	IPv4 destination address mask
	IPv6 source address
	IPv6 source address mask
	IPv6 destination address
	IPv6 destination address mask
	IP protocol
	IPv4 ToS bits
	Transport source port
	Transport destination port
Actions	Forward
	OUTPUT_PORT
	physical ports
	logical ports
	IN_PORT
	NORMAL
	FLOOD
	ALL
	CONTROLLER
	Drop
	Modify-field
	OFPAT_SET_FIELD
	OXM_OF_ETH_DST
	OXM_OF_ETH_SRC
	OFPXMT_OFB_VLAN_VID
	OFPXMT_OFB_VLAN_PCP
	OXM_OF_IP_DSCP
Counters	Per table
	active entries
	packet lookups
	packet matches
	Per flow IPv4
	received packets
	received bytes
	duration (seconds)
	duration (nanoseconds)
	Per flow IPv6
	received packets
	received bytes
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Counters	duration (seconds)
	duration (nanoseconds)
	Per port
	Received packets
	Transmitted packets
	Received bytes
	Transmitted bytes
	Receive drops
	Transmitted drops
	Receive erros
	Transmit errors
	Receive frame alignment errors
	Receive Overrun errors
	Recive CRC errors
	Collisions
	Per queue
	Transmit packets
	Transmit bytes
	Transmit overrun errors
Protocol	Hello
	Echo
	Error
	Features
	Link status (up/down)
	Current feature
	Max speed
	Get configuration
	Set configuration
	Miss_send_len: max bytes of packet in
	Packet In
	Packet Out
	OFPAT_OUTPUT
	OFPP_IN_PORT
	OFPP_FLOOD
	OFPP_ALL
	Flow-mod
	Flow removed
	Port-mod
	OFPPC_PORT_DOWN
	OFPPC_NO_PACKET_IN
	Port status
	Statistics
	OFPST_DESC
	OFPST_FLOW
	OFPST_AGGREGATE
	OFPST_TABLE
	OFPST_PORT
	OFPST_QUEUE
	Barrier