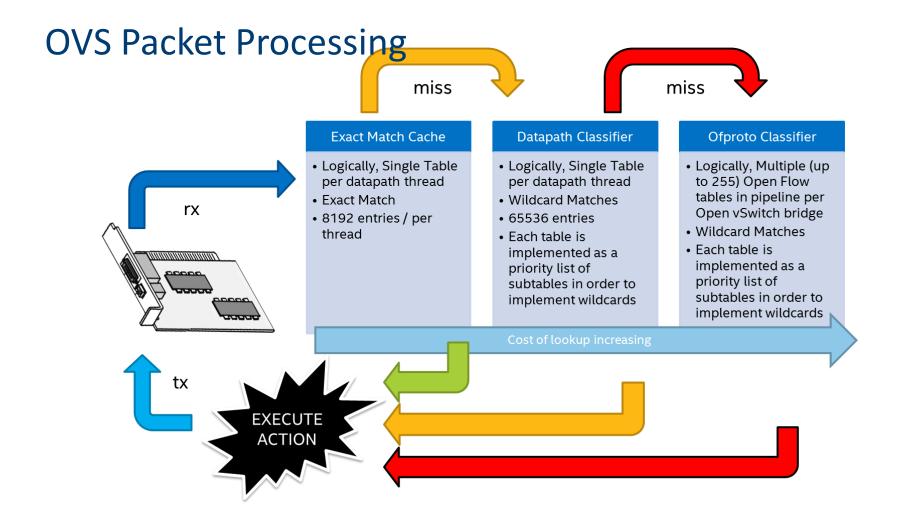


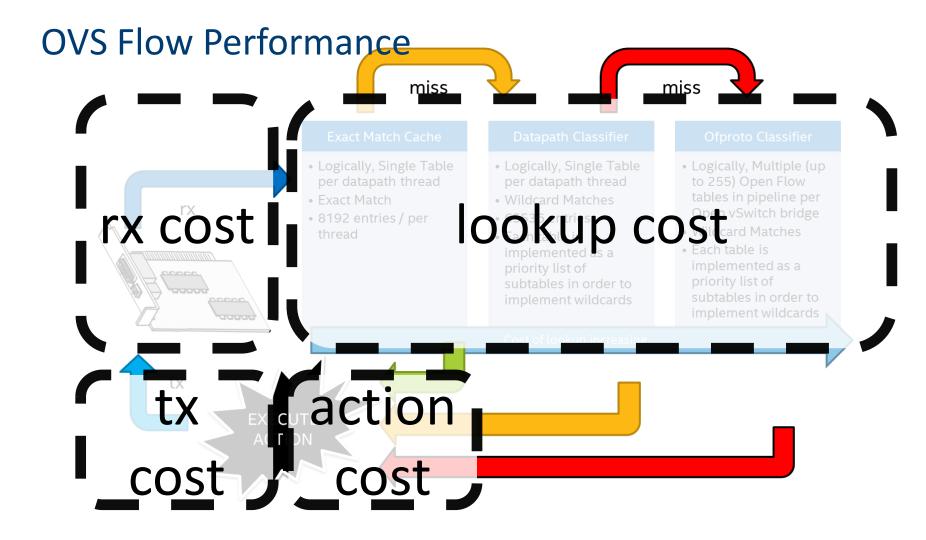
# **OVS Performance**

Mark Gray

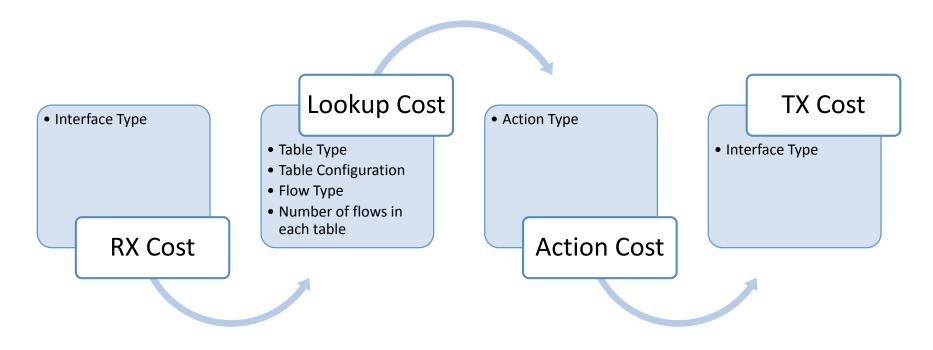
Intel/OPNFV

March 2016



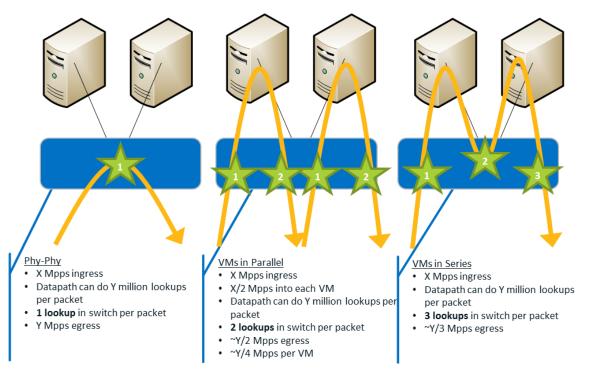


#### **OVS Flow Performance Factors**



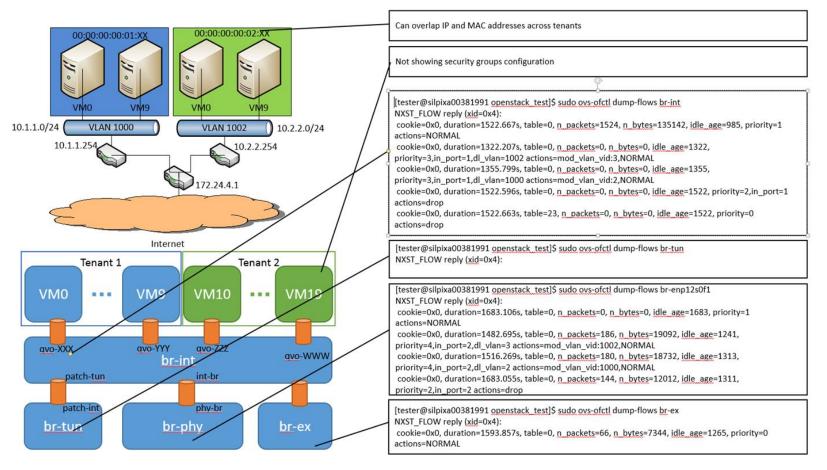
Many factors affect the performance of each individual flow

#### **OVS Topology Performance Factors**



Topology of a use case can affect performance as perceived externally from compute node

# **Openstack Neutron Configuration Example**



# How can we document performance requirements?

Use Case	Topology	Action Types	Number of Flows	Flow table occupancy rate	etc
vCPE					
vPE					
vEPC					
etc					

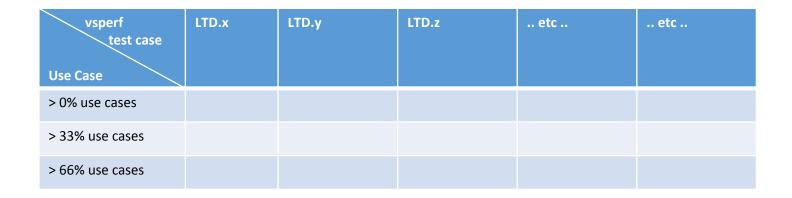
- "Baremetal-Like Performance" is not sufficiently specific to target optimization efforts. Therefore more detail is necessary
- Above shows one example, however:
  - Too complicated?
  - Exposes operator's confidential information?

# How can we document performance requirements?

vsperf test case Use Case	LTD.x	LTD.y	LTD.z	etc	etc
VCPE					
vPE					
VEPC					
etc					

- Specific requirement
- Easily testable
- Still exposes some confidential information?

# How can we document performance requirements?



- Landing zone requirements
- Specific requirement
- Easily testable