Deployment Topology Description Scheme

Current deployment scenarios from the LTP http://artifacts.opnfv.org/vswitchperf/docs/requirements/vswitchperf_ltp.html

Topology	Shorthand description
Physical port vSwitch physical port	Phy2Phy
Physical port vSwitch VNF vSwitch physical port	PVP
Physical port vSwitch VNF vSwitch VNF vSwitch physical port	PVVP
Physical port VNF vSwitch VNF physical port	None
Physical port vSwitch VNF¶	None
VNF vSwitch physical port	None
VNF vSwitch VNF	VM2VM
HOST 1 (PVP) HOST 2 (PVP)¶	None

We are currently switching terminology levels between host, VNF and port level... Suggestion: Describe the topologies through the flows from port to port through the vSwitch.

Lettering (It's case sensitive):

Letter	Represents	Other Options
L	**L**ocal	Could just be H for HOST followed by an id
R	**R**emote	Could just be H for HOST followed by an id
S	v**S**witch	
P	**P**hysical NIC	
V	**V**irtual NIC	
pp	**p**atch **p**ort	
O	**O**verlay port – not sure if we need…	
B	Bypass Techonology port	

NOTE: we still need a Way to specify the Number of VMs...

Numbering:
Numeric values can follow any of the last S, V, and P or nothing follows them which implies a 1. A standalone number should be considered an index and number prefixed with x should be considered a multiplication factor, e.g. LS1 vs. PVx3P

For ports it implies the number of ports Vx2 is two virtual ports connected in succession.

For switches it actually acts as an Identifier LS2 is local switch 2.

Topology	Shorthand description
Physical port vSwitch physical port	LS_Px2
Physical port vSwitch VNF vSwitch physical port	LS_PVx2P
Physical port vSwitch VNF vSwitch VNF vSwitch physical port	LS_PVx4P
Physical port VNF vSwitch VNF physical port	B_LS_Vx2_B
Physical port vSwitch VNF¶	LS_PV
VNF vSwitch physical port	LS_VP
VNF vSwitch VNF	LS_Vx2
HOST 1 (PVP) HOST 2 (PVP)¶	None
Multiple VMs in series	LS_PVx#P where # is the number
Multiple VMs in Parallel	LS_PVP_x# (where # is a number applies to everything surrounded by underscores)
2 local switches doing phy2phy	LS1_P2_LS2_P2
2 local switches patched together	LS1_Ppp_LS2_P
Overlayed –switches on a local and a remote	LS_PO_RS_OP
Overlayed – local switched	LS1_PO_LS2_OP