

CI Baseline Results

Current VSPERF CI Results

	Baseline 10k flows	Baseline 4 flows (1 flow /port)	POD12 CI before tuning 2 flows (1 flow/port) (12 Jun 2017)	POD12 CI current results	POD 12 Sandbox after updating OVS and DPDK	RH
64B - 1 PMD core	P2P 6.1 Mpps 4.1 Gbps PVP 2.3 Mpps 1.5 Gbps	PVP 3.8 Mpps 2.6 Gbps			P2P 14.1 Mpps PVP 3.7 Mpps	
64B - 2 PMD cores	P2P 16.1 Mpps 10.8 Gbps PVP 4.7 Mpps 3.1 Gbps	PVP 6.8 Mpps 4.6 Gbps			P2P 23.5 Mpps PVP 7.5 Mpps	P2P 15.1 Mpps PVP 4.63 Mpps
64B	P2P (4 ports - 4 PMD cores, Fortville) 36.0 Mpps (Fortville limit) 24.2 Gbps PVP 10.1 Mpps 6.8 Gbps (20B added to 64B)	PVP 12.9 Mpps 8.6 Gbps (20B added to 64B)	P2P (2 ports - 2 PMD cores, Niantic) 23.3 Mpps (Niantic limit) 11.9 Gbps PVP 7.9 Mpps 4.0 Gbps	PVP 4.2 Mpps (15Aug)	P2P 23.5 Mpps PVP_tput 12.7 Mpps (is this correct?) I ran it four times to confirm, Yes that is correct. If I used the ubuntu vloop image, I was able to get this number consistently. I can run it again and provide a log. Note this was only 30 second trials, if I ran 2 minute trials it dropped to 11 something.	PVP 6.6 Mpps 2 Cores/ 4 Hyperthreads
Pkts	IPv4, and Ethernet headers Increment SRC and DEST IP					
Flow configuration	4 NIC ports with 1 flow per port		2 NIC ports with 1 flow per port			

Frame loss	0%				0%	0%
Resolution	0.1				0.1	0.1
Test duration	60 sec		30 sec		30 sec	20 min
NIC	Fortville X710-DA2 8.0 GT/s, x8 lanes		Niantic 82599ES PCIe v2.0 (5.0GT/s)			Spring Fountain X520 PCIe v2.0 (5.0 GT/s)
PCI-E	2 x PCI-E 3.0 x8 slot					
Ports	4 x 10GE					
OVS	2.7.0				2.6.9	
DPDK	16.11		17.02		16.07	
Host OS	Ubuntu-16.04 4.4.0-36-generic		CentOS 7.3		Centos 7.3	
Guest VM	Ubuntu-16.04 4.4.0-21-generic					
QEMU	QEMU-KVM version 2.8.0				2.5	2.6
Processor	E5-2695 v4 Broadwell-EP 18 cores 2.10 GHz (3.30 GHz)		E5-2699 v4 Broadwell-EP 22 cores 2.20GHz (3.60 GHz)		Intel(R) Xeon(R) CPU E5-2699 v4 @ 2.20GHz 44 Cores/ 88 with HT	E5-2699 v3 Haswell 18 cores 2.30GHz (3.60 GHz)
Hyperthreading	Disable				Enabled	Enabled
Turbo mode	Disable		Enable			Disabled
Traffic Generator	Ixia		Ixia		Ixia	Xena