

KPI Results

Lab 1 Results:

S. No	KPI	Value	Unit	Remarks
1.	KT_KPI_NET_JITTER	0.1004	milliseconds	Kubernetes Pods
2.	KT_KPI_NET_TCP_BW	16.3	Gbps	OpenStack VMs with 8950 MTU
3.	KT_KPI_NET_PING_LAT	1.2356	milliseconds	Kubernetes Pods
4.	KT_KPI_NET_UDP_LAT	161	microseconds	Kubernetes Pods
5.	KT_KPI_NET_UDP_THPUT	3.63	Gbps	OpenStack VMs with 2000 bytes packet size
6.	KT_KPI_OS_API_CINDER_CRUD	100%	Success Rate %	100 iterations with concurrency 8
7.	KT_KPI_COMP_CPU_SCORE	3868	Index Score	Kubernetes Pods
8.	KT_KPI_COMP_IPS	25697780193	Instructions per second	Kubernetes Pods
9.	KT_KPI_COMP_MEM_LAT	100	nanoseconds	Kubernetes Pods
10.	KT_KPI_COMP_MEM_BW	21417	Mibytes/sec	Kubernetes Pods
11.	KT_KPI_STG_RAND_RW_IOPS	2121	IOPS	Kubernetes Pods. 4k block size with 2 jobs of 5GB each and 1 IODepth
12.	KT_KPI_STG_RAND_RW_LATENCY	727	microseconds	Kubernetes Pods. 4k block size with 2 jobs of 5GB each and 1 IODepth
13.	KT_KPI_K8S_API_POD_CREATE_DELETE	99.88%	Success Rate %	800 iterations with concurrency 8
14.	KT_KPI_K8S_API_JOB_CREATE_READ_DELETE	100	Success Rate %	800 iterations with concurrency 8
15.	KT_KPI_OS_API_NOVA_CRUD	100	Success Rate %	10K iterations of CRUD operations
16.	KT_KPI_OS_API_NEUTRON_CRUD	100	Success Rate %	1K iterations of CRUD operations