Validation Results

NetApp Solutions

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Table of Contents

Validation Results . . . 1
- VMware . . . 1
- Red Hat Virtualization . . . 1
- KVM (RHEL) . . . 1
- Miscellaneous . . . 1

Validation Results

We used the iPerf tool for testing network throughput, and the baseline expectation was that the test systems should achieve throughput within 10% of the maximum line rate. Test results for different virtual switches is indicated in the following table.

For storage IOPS subsystem measurement, we used the IOmeter tool. The baseline expectation was that the test systems should achieve read/write throughput within 10% of the maximum. Test results for different hypervisors is indicated in the following table.

We considered the following scenarios for the network line rate and storage IOPS testing:

VMware

- VMs on a NetApp HCI datastore (with and without micro-segmentation)
- VMs on a NetApp ONTAP datastore
- VMs on a NetApp ONTAP Select datastore

Red Hat Virtualization

- VMs on a NetApp HCI datastore
- VMs on a NetApp ONTAP datastore

KVM (RHEL)

- VMs on a NetApp HCI datastore

Miscellaneous

- One VM on RHV with a NetApp HCI datastore and one VM on VMware vSphere with a NetApp ONTAP datastore.

Hypervisor	Virtual Switch	iPerf	IOmeter	Micro-segmentation
VMware	VDS	Pass	Pass	Pass
RHV	Linux Bridge	Pass	Pass	N/A
RHEL-KVM	Open vSwitch	Pass	Pass	N/A

Next: Where to Find Additional Information

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