

# Progress Report of RDMA Performance in Multi-Tenant Virtualization Environment – VMs and Containers

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## Proposed Experiments

Scenario	Sender	Receiver	Protocol	Test
1	host	host	TCP	1 and 4 transfers
2	host	host	RDMA	1 and 4 transfers
3	VM	VM	TCP	1 and 4 transfers
4	VM	VM	RDMA	1 and 4 transfers
5	LXC	LXC	TCP	1 and 4 transfers
6	LXC	LXC	RDMA	1 and 4 transfers
7	4VMs	4VMs	TCP	1 transfer
8	4VMs	4VMs	RDMA	1 transfer
9	4LXCs	4LXCa	TCP	1 transfer
10	4LXCs	4LXCs	RDMA	1 transfer

# Test Environment

Baseboard	Manufacturer: ASUSTeK COMPUTER INC. Product Name: P8Z77-V LK
Processor	Intel(R) Core(TM) i7-3770K CPU @ 3.50GHz
Memory	8G
Kernel Linux Version	2.6.32-431.el6.x86_64
OFED	Mellanox OFED-3.12
Docker Version	1.3.2
Docker Image	Ubuntu

# Experiments



