

# Running RoCE over L2 Network Enabled with PFC

This application note has been archived. In order to learn how to configure RoCE on your network along with PFC, refer to Mellanox community articles on the Solutions space.

## References:

- [Mellanox Community](#)
- [Solutions Space](#)
- [RDMA/RoCE and Storage Solutions](#)

## General Information about RDMA and RoCE

- [What is RDMA?](#)
- [Impact of RDMA Networking in an SMB3 workload over 100GbE for Windows 2016 TP2](#)
- [RoCE success cases](#)
- [Architecture and Design](#)
- [Network Considerations for Global Pause, PFC and QoS with Mellanox Switches and Adapters](#)
- [End-to-End QoS Configuration for Mellanox Switches and Adapters](#)
- [Network Adoption Scenarios for RoCE applications](#)
- [RoCE v2 Considerations](#)
- [Bonding Considerations for RDMA Applications](#)
- [MTU Considerations for RoCE based Applications](#)
- [HowTo Configure Soft RoCE](#)
- [RoCE Modes and Defaults on Mellanox Adapters](#)
- [RoCEv1 Addressing](#)
- [RoCE Congestion Control](#)
- [RoCEv2 Congestion Management](#)
- [HowTo Configure RoCE Congestion Control for Windows 2012](#)
- [RoCEv2 CNP Packet Format Example](#)
- [Download Wireshark with RoCEv2 Support](#)

- [HowTo Configure CoS and DSCP for SMB in Windows 2012](#)
- [QoS Configuration examples for Cisco Nexus 5600](#)

### **RDMA/RoCE Configuration for Linux**

- [HowTo Enable, Verify and Troubleshoot RDMA](#)
- [HowTo Setup RDMA Connection using Inbox Driver \(RHEL, Ubuntu\)](#)
- [HowTo Configure RoCE v2 for ConnectX-3 Pro](#)
- [HowTo Run RoCE over L2 Enabled with PFC](#)
- [HowTo Run RoCE and TCP over L2 Enabled with PFC](#)
- [HowTo Create Docker Container enabled with RoCE](#)
- [HowTo Dump RDMA traffic Using the Inbox tcpdump tool](#)
- [HowTo Configure RoCE on ConnectX-4](#)
- [Show Pretty GIDs \(Script\)](#)
- [HowTo Configure PFC on ConnectX-4](#)
- [HowTo Run RoCE and TCP over L2 Enabled with PFC \(2016\)](#)

### **RDMA/RoCE Configuration for Windows**

- [HowTo Configure RoCE in Windows Environment \(Global Pause\)](#)
- [HowTo Configure SMB Direct \(RoCE\) over PFC on Windows 2012 Server](#)
- [HowTo Configure SMB Direct over IP networks \(RoCEv2\) on Windows 2012 Server](#)
- [Dell Storage with Microsoft Storage Spaces \(DSMS\) - Networking Quick Reference](#)
- [Windows SMB Performance Testing References](#)
- [Ram Disk Application for Windows Environment \(imdisk, sqlio\)](#)
- [RDMA/RoCE Considerations for Windows 2016 on ConnectX-3 Adapters](#)

### **Switch FC/PFC Configuration**

- [HowTo Enable PFC on Mellanox Switches](#)
- [HowTo Enable PFC on Dell S6000/S4810](#)
- [HowTo Enable PFC on Arista switches](#)
- [HowTo Configure Flow Control on Cisco 3K C3232C \(NX-OS 7.X\)](#)
- [HowTo Configure PFC on Cisco 3K C3232C \(NX-OS 7.X\)](#)



To read the archived document refer to: [http://www.mellanox.com/related-docs/prod\\_software/RoCE\\_with\\_Priority\\_Flow\\_Control\\_Application\\_Guide\\_Archive.pdf](http://www.mellanox.com/related-docs/prod_software/RoCE_with_Priority_Flow_Control_Application_Guide_Archive.pdf)

For more information, please contact Mellanox Support (<http://www.mellanox.com/support>).