Why should I take this course?

The Connect-IB is a Single/Dual-Port InfiniBand Host Channel Adapter (HCA) card. The adapter card processes up to 130 million messages per second, five times higher than any other InfiniBand solution.

Maximum bandwidth is delivered across PCI Express 3.0 x16 and two ports of FDR InfiniBand, supplying more than 100Gb/s of throughput together with consistent low latency across all CPU cores.

In order to utilize the Connect-IB capabilities in the InfiniBand fabric, it is important to learn the best practices for installing, configuring, and managing the adapter card and for performing basic diagnostic troubleshooting procedures.

What you will learn

This course will guide you through the process of installing, managing, and troubleshooting Connect-IB. You will learn and practice initial installation to the server, manage your adapter card using a shell connection to maximize its features, work with its LED indicator functionality, and identify and solve physical problems using the troubleshooting module.

In addition, you will learn about the benefits and key features of Connect-IB, and the best practices for utilizing them.

Course Topics

* Connect-IB Introduction
* Connect-IB Installation
* Connect-IB Management
* Connect-IB Troubleshooting

Course Objectives

* Describe the benefits of Connect-IB
* Describe the main features of Connect-IB
* Locate the main interfaces of Connect-IB
* Diagnose the Connect-IB status based on the LED indicator
- Install the adapter card to the server
- Verify server connectivity
- Manage your card using a shell connection
- Upgrade your card firmware
- Identify the source of a problem
- Use physical troubleshooting steps
- Use operation debug steps

### Course Duration

2 hours

### Target Audience

Network Administrators and managers who work or intend to work with Mellanox equipment

### Course Prerequisites

General understanding of InfiniBand and Ethernet fabrics and management concepts.

### What’s inside?

- Interactive self-paced courseware
- Videos
- Simulators
- Summary Exam and exercises for knowledge implementation
- Related documentation according to course topics

### Related Courses

Working with Mellanox OFED in InfiniBand Environments.