

# Mellanox at VMworld Europe

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BrianSparks 1 posts since

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Yesterday, myself along with Motti Beck and Ali Ayoub (our main VMware software developer at Mellanox) diligently put together a very compelling demo that highlights the convergence capabilities of our [BridgeX BX 4000](#) gateway that we [announced last week](#).

We unpacked everything and got it all up and running in less than an hour (this after we sorted out the usual power and logistical issues that always comes with having a booth).

The slide illustrates the topology of the demo. Essentially, we have two ConnectX adapters cards in one of the Dell server running two different interconnect fabrics. One adapter is running [40Gb/s InfiniBand](#), while the other adapter is running [10 Gigabit Ethernet](#).

1. The 40Gb/s InfiniBand adapter is connected to our [MTS3600 40Gb/s InfiniBand switch](#) which then passes through the BridgeX BX4020 where we convert the packets to Ethernet. The packets then run through the Arista 10GigE Switch and then into the LeftHand Appliance Virtual Machine which resides on the Dell Server (which is running ESX 3.5 and our certified 10GigE driver over our ConnectX EN 10GigE SFP+ adapter). We are showing a movie from the iSCSI storage on the IB end-point (the Dell Linux Server).

2. The 10 Gigabit Ethernet Adapter connects directly to the BridgeX BX4020 where it converts the traffic to FC (effectively FCoE). The traffic then moves to the Brocade Fibre Channel switch and then directly to the NetApp storage. We are showing a movie from the FC NetApp storage on the 10GigE end-point (the Dell Linux Server).

If you are coming to VMworld Europe (or already here) come and see us in Booth #100 and we will be happy to walk you through the demo.

**Attachments:**

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[slide.bmp](#) (643.8 K)
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[vmworld\\_europe\\_photo.jpg](#) (69.7 K)

Tags: mellanox, infiniband, ethernet