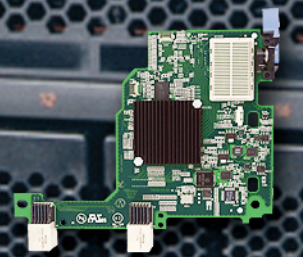




The Top Ten Reasons IBM BladeCenter is Better with the 10Gb Virtual Fabric Adapter (VFA)



1. BladeCenter with VFA Runs 20% More VMs/CPU

VFA provide full HW protocol acceleration and off-loads up to 20% of the CPU workload to run More VMs/CPU Blade.

2. BladeCenter with VFA Save 36% On Capital Costs

The VFA's VNIC capabilities reduces the number of mezzanine cards and switch ports and support network traffic in BladeCenter

3. BladeCenter with VFA Saves On Power and Cooling

By reducing the number of mezzanine cards and switches required in a full BladeCenter chassis VFA saves up to 45% in power consumption over 1Gb/s non virtualized fabrics.

4. BladeCenter with VFA and Intel X5500 CPUs... Consolidates Consolidation

The VFA technology was designed to leverage the new features of the X5500 including MSI-X, QPI, PCI-Express 2.0, HTT and VT-d which all enable more I/O per CPU because of the VFA's HW protocol offload technology. This means you can consolidate consolidation plans even further in the same footprint with less cost, power and cooling.

5. BladeCenter with VFA Leaps Forward to 10Gb, but Doesn't Leave 1Gb Behind

The IBM VFA provides the flexibility to choose 1GbE, 10GbE, or anywhere in between with customizable bandwidth virtual NICs

6. BladeCenter with VFA offers Better Investment Protection with FCoE

10GbE is coming to the data center and IP, iSCSI and FC will be converged on a single infrastructure. The VFA provides investment protection in two ways. First it supports IP, iSCSI and FC on the same card, second you can enable these features with keys in the future and only pay for what you use

7. BladeCenter with VFA VNIC Provides Wake-on-LAN to Support VMware's DPM to Save Power

The VFA is the only FCoE capable NIC product shipping that supports key power saving features. The solution supports Wake-On-LAN to enable VMwares DPM (distributed Power Management) to remotely power on the server during peak workload demand. In idle periods VMware DPM will migrate and store inactive VMs so underutilized servers can be put to sleep.

8. BladeCenter with VFA VNIC Virtual Ports Enables Real World Networks

IBM's virtual I/O enables real world dedicated virtual ports that enable network traffic segmentation and high availability redundant connectivity. Due to the scalable number of VNICs/blade, traditional NIC deployment models for IP LAN, VMotion LAN, Management, NAS and Backup with choice of virtual 10Gb and 1GB VNICs.

9. BladeCenter with VFA improves VM Mobility

Not only can your VMs move across physical servers with VNIC connectivity, but you can now adjust provision performance to deal with bandwidth bursts during VM moves. Second, you can also move the bandwidth up or down to match the increased CPU resources. Third, you can also migrate across protocols (IP, NAS, iSCSI, FCoE) as required, with some required data migration, should you choose this route, finally VFA makes it easy to deploy a dedicated VM LAN for mobility which is often cited as a best practice by hypervisor providers in active data centers.

10. BladeCenter with VFA is more Flexible and Scalable I/O for Less

The IBM VFA delivers from 2 to 8 virtual Ethernet ports so blades can be configured with exactly the connectivity needed for their infrastructure. The VFA enables support for IP, VM mobility, management, NAS, iSCSI and FCoE. This enables IT mangers to configure for any need with one adapter.



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