Top reasons to use
BlueArc NFS Storage for VMware®

The performance, complexity and the cost of storage is one of the biggest challenges faced by data center managers while deploying VMware. Here are the top reasons how BlueArc NFS (NAS) storage systems solve the dynamic, mixed workload, and scalability needs for VMware environments while providing a lower TCO.

Uncompromising Performance

1. **Performance at Scale**

   BlueArc delivers sustained performance in dense VMware environments that generate mixed and random I/O. Other storage solutions buckle under these unpredictable workloads negatively impacting application response time. BlueArc provides sustainable performance for hundreds to thousands of VMs thus ensuring application availability.

2. **BlueArc Provides Industry Leading IOPS Performance for your Applications**

   IOPS (Input/Output Operations Per Second) are critical for virtualized environments. SiliconFS™ – BlueArc's hardware-accelerated file system – processes massive I/O commands in parallel to provide the necessary I/O for all the operations your applications need. BlueArc is the proven leader through SPECsfs, the de facto vendor-neutral standard benchmark for all network file servers.

Maximum Simplicity

3. **Elimimate Storage Provisioning headaches with BlueArc NFS**

   BlueArc's straight-forward provisioning process enables rapid VMware deployments in 3 simple steps:

   • Create an NFS mount point and export the file system
   • Setup VMkernel configuration
   • Assign NFS storage from vCenter and storage is ready to use
   • Cumbersome and repetitive SAN administrative overhead is eliminated by using NFS as a datastore for VMware.

4. **Scalability on Demand, Eliminate NAS Sprawl**

   BlueArc's 256TB file system (the industry's largest) and a Global Cluster Namespace that scales to petabytes allows hundreds to thousands of VMs and very large-sized VMs to be contained in one file system making scaling and management painless. As your business depends on VMware and data center modernization to enter new markets and gain new customers, BlueArc scalability makes it easy to increase or reduce storage capacity and eliminates NAS sprawl.

5. **Easily Backup and Recover Virtual Environments**

   Integrated with VMware vCenter, BlueArc JetCenter™ software presents a familiar interface for simplified management of backup and recovery operations of virtual machines. JetCenter seamlessly manages snapshots between BlueArc storage and VMware. BlueArc JetCenter retains over 1,000 snapshots for rapid data recovery for your VMware environment.

6. **Seamless Disaster Recovery**

   BlueArc integrates with VMware Site Recovery Manager (SRM) to provide business continuity and disaster recovery as your business scales.

BLUE ARC®

Lowest TCO

7. Virtualize more Today – No reason to hold back from virtualizing all of your applications:

As the only storage option to offer both the simplicity and the performance required by medium to large scale VMware environments, BlueArc storage helps IT managers realize the promise and TCO benefits of broader virtualization across the organization. "Tier 1" applications such as Corporate Email, Data Warehousing, and Oracle applications that have suffered from "VM Stall" can now move forward.

8. Space Efficient, Writable VMDK Clones

BlueArc JetClone, increases storage efficiency and lowers overall TCO. Using JetClone, enterprises create multiple copies or "clones" of single files by taking snapshots of that file and saving subsequent differences separately. By referring back to the original file for most of the data, JetClone avoids making multiple copies of the redundant elements of the file. Coupled with BlueArc's 256 terabyte file system (the industry's largest) an almost unlimited number of VM clones can be supported on a single system, eliminating storage sprawl.

9. Transparent Data Migration

Transparently, via user defined policies, move less-frequently accessed data from expensive, high performance disks to lower cost disks without interruption to VMs or applications and save on storage costs. This optimizes disk cost and performance for the most efficient disk utilization.

10. VMware Ready

BlueArc storage platforms are certified by VMware for use with their server, desktop, and management products.

For Demanding Production Environments

11. Outstanding Customer Support

BlueArc support is available 24x7. In addition to our phone and on-site support, our customer portal also provides a wealth of information with a Knowledge Base and diagnostic tools, as well as a user community to share information.

12. Proven Solutions for Over a Decade

Providing storage systems for the largest, most performance-intensive environments in the world, BlueArc is a proven choice for scalable, high-performance NFS storage for use with tier-1 business service applications. Hundreds of enterprises trust BlueArc to store, access, and protect their mission-critical data every day.

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