SOLUTION BRIEF

Pure Storage for Microsoft Environments

Gain full value from your Microsoft applications with Pure Storage® solutions.

To get the most from your Microsoft applications, including Microsoft SQL Server and Microsoft Exchange and their supporting data, you need storage that can deliver fast response times, high availability, and agility—all while helping to control costs. With all-flash array solutions that integrate seamlessly with Microsoft environments, Pure Storage can help you meet these needs.

Simplicity and Speed for SQL Server

Microsoft SQL Server, like other large relational database management systems, consumes compute and infrastructure resources at rates greater than other applications. Growing volumes of data require ever more resources. Storage often becomes the bottleneck, limiting the performance of processors, memory, and networking.

Pure Storage FlashArray™ delivers rapid response times. You get sub-millisecond latency, operational simplicity, and 99.9999% measured availability for both transactional and analytical SQL Server workloads.

Seamless Scaling with Exchange Server

Microsoft Exchange Server is essential for business communications. Gain control over business-critical services and help ensure uptime using FlashArray. FlashArray gives you high-density all-flash technology and the Purity operating environment. FlashArray meets the demands of running workloads associated with Exchange Server maintenance tasks. It also mitigates input/output (IO) bottlenecks while significantly reducing latency to 1ms and below.

With FlashArray, you can reduce complexity, amplify performance, and seamlessly integrate with Microsoft tools. FlashArray empowers Exchange administrators to reduce planning and management costs while increasing availability.

Reliable

Experience 99.9999% uptime with FlashArray, along with sub-millisecond latency

Seamless Integration

FlashArray solutions from Pure integrate with Windows Admin Center, PowerShell, and more.

Always-on Protection

ActiveCluster, Snapshots, and encryption work together to keep your data safe.

Diverse Microsoft Integrations

As a Microsoft partner, we continually develop technical solutions for your key Microsoft workloads. Along with our innovative hybrid-cloud option Pure Cloud Block Store™, you can select from a wide range and integrations:

Windows Admin Center: Windows Admin Center is Microsoft's next-generation replacement for Windows Server Manager. The Pure Storage extension for Windows Admin Center gives a single-pane ability to manage your FlashArray fleet. With this extension, you can run monitoring tasks, view real-time performance metrics, and manage storage volumes and initiators.

PowerShell: Pure Storage modules for PowerShell support management and automation for Windows Server and Exchange on FlashArray solutions, the Pure1® platform. We offer multiple tools including the PowerShell software-development kit (SDK), PowerShell Toolkit with specific cmdlets to augment the SDK, and a new Pure1 PowerShell module.

Windows File Services: Run Windows File Services with best-of-breed Server Message Block 2/3 and Network File System 3/4 protocols on FlashArray products. Windows file services adds robust, advanced file services to FlashArray solutions and snaps into the Microsoft management ecosystem. It's ideal for file sharing, home directories, collaboration, and virtual desktop infrastructure (VDI) user files.

Offloaded Data (ODX): The ODX feature in Windows Server provides direct data transfer within or between storage arrays by bypassing the host system. By offloading any file-transfer operations on the host system, Pure's ODX implementation delivers dramatic performance improvements for the transfer of large files such as SQL Server and Exchange databases.

Always-On Data Protection

When it comes to protecting your data, we've got you covered. Pure offers:

RAID-HA: Flash-optimized data-loss protection prevents the disappearance of data entering the storage system.

Protect Snapshots: Instant, space-efficient local or remote snapshots for effortless data protection that won't affect performance.

ActiveCluster™: A multi-site, active-active stretch cluster supports synchronous replication. You can set it up in minutes to protect your data from disaster.

AES-256 Encryption: Encryption is always on for all data and occurs as data enters the Pure Storage array.

Your Microsoft Storage Partner

With Pure, you get dedicated alliance and technical support teams, plus Microsoft engineering resources. We are continually developing technical solutions for key Microsoft workloads. Watch for innovative new approaches to delivering hybrid-cloud operations built on Microsoft Azure-like Pure Cloud Block Store with APIs, bi-directional mobility, and seamless management and orchestration.

Additional Resources

- Learn more about Microsoft solutions from and Pure.
- Discover how Pure Storage Professional Services can support your next project or workshop.

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