TOP REASONS TO CHOOSE EMC ISILON SCALE-OUT NAS FOR BIG DATA IN THE ENTERPRISE

1 EASE OF USE FOR STREAMLINED MANAGEMENT

EMC® Isilon® is a powerful yet simple scale-out NAS solution for enterprises that want to invest in managing their data, not their storage. Isilon storage systems are simple to install, manage, and scale at virtually any size. And, unlike traditional NAS storage, our solutions stay simple no matter how much storage is added, how much performance is required, or how business needs change in the future.

2 MASSIVE SCALABILITY

With EMC Isilon scale-out NAS, you can have unimaginable room for your unstructured Big Data storage and analytics needs—from 18 terabytes to over 15 petabytes of capacity per cluster in a single file system and volume. As a result, you can take on more projects, perform more in-depth analysis, and serve up more data.

3 UNMATCHED EFFICIENCY TO REDUCE COSTS

EMC Isilon scale-out NAS can provide over 80 percent utilization with a single pool of shared storage. Our industry-leading storage efficiency, combined with our simple, easy-to-manage approach, helps you to reduce capital expenditures as well as ongoing operating costs. You can further optimize resources with EMC Isilon SmartPools™ software to provide automated storage tiering that continually optimizes your Isilon NAS for performance and economy. You can easily set policies to automatically move inactive data to more cost-effective storage, streamlining workflows for your most current data while remaining completely transparent to users and applications.

4 SIMPLE AND FLEXIBLE INTEROPERABILITY

With Isilon, you can simplify your storage infrastructure by consolidating large-scale file and unstructured data assets, eliminating silos of storage. EMC Isilon scale-out NAS includes integrated support for a wide range of industry-standard protocols, including NFS, SMB, HTTP, FTP and native Hadoop HDFS to help you simplify and consolidate workflows, increase flexibility, and get more value from your enterprise applications and data. EMC Isilon OneFS® also incorporates vStorage APIs for Array Integration (VAAI) and vSphere Storage APIs for Storage Awareness (VASA) to increase virtualization performance and to further simplify storage management of your VMware environment. Furthermore, our solutions incorporate a platform API to provide you and third-party ISVs with a robust control interface to OneFS for further automation, orchestration, and provisioning of an Isilon cluster. These levels of interoperability help you leverage your large data assets with more flexibility among a broad range of applications and workloads, as well as across a diverse IT infrastructure environment.

EMC²®

5 WORLD'S FASTEST NAS FOR MAXIMUM PERFORMANCE

EMC Isilon is the world's fastest NAS platform with the world-record performance of 1.6 million SPECsfs2008 CIFS operations per second. To support your demanding, large-scale applications and workloads across the enterprise, the Isilon OneFS scale-out NAS operating system delivers over 100 gigabytes per second of system throughput.

6 SECURITY OPTIONS TO MEET ENTERPRISE GOVERNANCE AND COMPLIANCE REQUIREMENTS

A single Isilon cluster can be simultaneously used for active and archive content in single, scalable appliance. The Isilon SmartLock™ option provides write once, read many (WORM) protection to prevent accidental, premature, or malicious alteration or deletion of your critical data. With Isilon OneFS, we also help you meet regulatory and governance needs—including stringent SEC 17a-4 requirements—by providing absolute retention and protection of your business-critical data. To further enhance security, the role-based administration capabilities of OneFS enable you to create a strict separation between storage administration, and users and their file system access. OneFS also allows you to create authentication zones to provide secure, isolated storage pools for specific departments within your organization. With this capability, you can consolidate storage resources for increased operating efficiency without compromising organizational security.

7 LOWER RISK AND INCREASED AVAILABILITY

For fast and efficient data protection, you can use our flexible and efficient snapshot capability to meet your specific recovery point objectives. And with near-immediate on-demand snapshot restores, you can directly access snapshots to recover from accidental deletions, corruptions, or modifications of your data. For reliable disaster recovery protection, EMC Isilon SyncIQ® software allows local and remote data replication, and provides push-button failover and failback simplicity, thereby helping you to increase the availability of your data for mission-critical applications.

8 HIGHLY VERSATILE STORAGE PLATFORM

Isilon scale-out NAS has long set the standard for addressing the challenges of managing large, rapidly growing file-based and unstructured data. Isilon is an ideal storage platform for a broad range of enterprise storage needs, including large-scale home directories, files shares, archives, virtualization, and high-performance business analytics.

EMC²