ASPERA ENTERPRISE SERVER FOR EMC ISILON

Breakthroughs in high-performance content delivery

THE FIRST HIGH-PERFORMANCE WIDE AREA FILE AND CONTENT DELIVERY SOLUTION

Businesses in a range of industries need to manage and transfer large files over wide area networks (WANs), and they must ensure that these files are delivered within a data transfer window through varying network conditions and bandwidth capacity.

Unfortunately, conventional file transfer technologies, such as FTP, are limited and unpredictable, resulting in slow file transfers, which can lead to lost productivity and business delays.

ASPERA ENTERPRISE SERVER FOR EMC ISILON

Aspera Enterprise Server for EMC® Isilon® provides a breakthrough solution for the rapid transfer of the largest files—video, audio, images, or other rich media—across wide area IP networks, without impacting other networking traffic.

Aspera and EMC Isilon have partnered to create the first predictable, nondisruptive, high-performance wide area file and content delivery solution designed specifically for moving large files long distances—at the fastest speeds. Aspera Enterprise Server for EMC Isilon software runs on Isilon clustered storage and provides a cluster-aware version of Aspera high-speed file transfer technology. When combined with the Isilon scale-out storage platform, the solution provides rapid, reliable, and scalable content delivery.

SINGLE FILE SYSTEM, SINGLE POINT OF MANAGEMENT

Managing the distribution of large file sets is easy with the Isilon OneFS® operating system. Through a single, scalable file system, administrators can easily manage all of their data in a common storage pool. As file transfer needs expand, administrators simply add performance or capacity to the cluster, without having to manage servers and storage separately. Aspera Enterprise Server for EMC Isilon collapses the server and storage tier into a single, common storage and transfer management pool.

ESSENTIALS

- Single point of management: administrators can easily manage all their data in a single common storage pool

- File transfers are completed in a predictable manner within a given timeframe

- Performance and capacity can be scaled as needed without any downtime

- All data is protected and 100 percent available for even the largest dataset transfers

EMC²

PREDICTABLE PERFORMANCE CONTROL

Aspera's adaptive rate control and aggregate bandwidth management capability provide cluster-aware bandwidth throttling across the cluster. As content delivery needs shift, Aspera provides a site-wide control console to manage performance and bandwidth across all transfers.

Aspera automatically spreads large file and dataset transfers over cluster nodes, allowing massive Gigabit per second throughputs in minutes as opposed to hours. As content delivery needs shrink during off-peak hours, administrators can simply scale back transfers across fewer Isilon nodes, which can then be reassigned to other projects or tasks.

ALL-ACTIVE HIGH-AVAILABILITY AND LOAD BALANCING

Together with EMC Isilon SmartConnect™ software, Aspera Enterprise Server for EMC Isilon permits transfer zones to be created, where portions of the cluster are dedicated to Aspera clients or other clients connected to the same cluster during shared usage periods. All Aspera fasp clients connected to a SmartConnect zone are load-balanced and protected from failures within the cluster.

In the rare event of a failure, Aspera clients are seamlessly redirected from one node to another through SmartConnect. Maximum storage, bandwidth, and CPU utilization rates are achieved, with all nodes working in parallel on individual or multiple transfers.

NON-DISRUPTIVE PERFORMANCE AND CAPACITY SCALABILITY

As file transfer or storage needs change over time, Isilon scale-out NAS provides an ideal architecture for independently adding performance or capacity. If more storage space is required, users can simply add a new node to the cluster, or change the quota on a directory. If more performance is needed, users can simply access the Aspera Central Console to assign more bandwidth to a transfer zone or add performance nodes or accelerators to the cluster. Performance and capacity can be added to the cluster without any downtime.

PROVEN RELIABILITY FOR LARGE FILE SYSTEMS

When projects scale into the terabyte range, companies need data protection to match the value and size of the files. EMC Isilon FlexProtect™ provides N+1 through N+4 levels of resiliency for the entire clustered storage system or within a subset of the system, such as a directory. Isilon supports and protects up to 15 petabytes of data, or more, in a single file system. The Aspera and Isilon solution provides a high-performance, reliable, and scalable solution for delivering video, audio, images, and other rich media assets or file-based data to any point in the network, or to any user with access to a Web browser, Mac, PC, or UNIX® workstation.

CONTACT US

To learn more about how EMC Isilon products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.EMC.com/Isilon.

EMC²®