ADOBE ANYWHERE FOR VIDEO AND EMC ISILON SCALE-OUT NAS

A scalable content creation infrastructure for next generation media and entertainment workflows
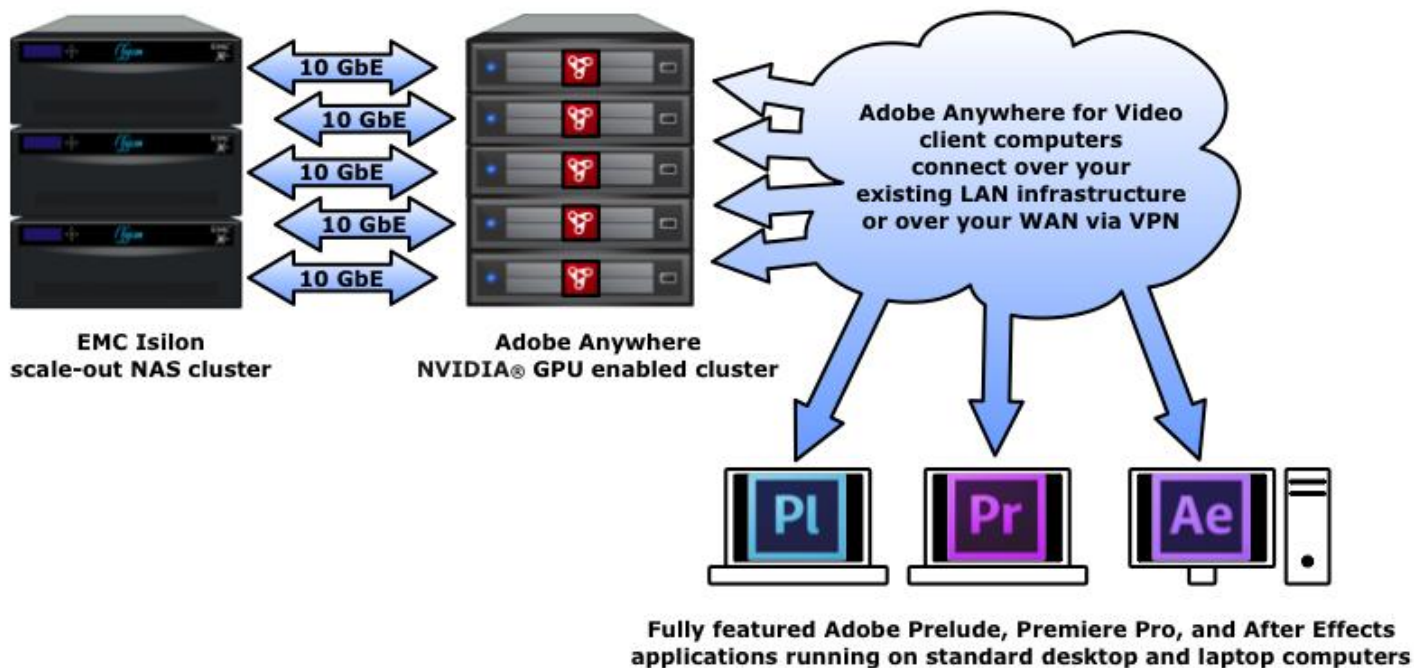
ESSENTIALS

Benefits/Features

- Complementary platforms designed to scale predictably as your workflow grows.
- Consolidates storage and rendering compute resources into commodity data center hardware
- Eliminates the need for costly GPU-based workstations, Fibre Channel infrastructure, and high-speed Ethernet client connections

REVOLUTIONIZING REAL-TIME, COLLABORATIVE VIDEO PRODUCTION

Adobe® Anywhere for Video® provides an advanced, high-performance clustered compute infrastructure that meets the requirements for next-gen media workflow collaboration by moving costly post-production compute and storage resources from the edit suite to the data center. The Adobe Anywhere for Video solution runs on a cluster of standard, off-the-shelf servers running Microsoft® Windows Server 2008 R2® with NVIDIA® Graphics Processing Units (GPUs).

Adobe Premiere Pro, Prelude, and After Effects users can utilize low-cost desktop computers and laptops to ingest, annotate, edit, and apply visual effects to full resolution media files in their native camera formats. The heavy lifting portions of the applications—such as real-time rendering—are handled by the GPU-based Adobe Mercury Streaming Engines. Adobe Anywhere users are able to work using fully featured and familiar versions of Adobe Premiere Pro, Prelude, and After Affects, without the need for proxies or high-speed network connections.

EMC Isilon scale-out NAS cluster — 10 GbE — Adobe Anywhere NVIDIA® GPU enabled cluster

Adobe Anywhere for Video client computers connect over your existing LAN infrastructure or over your WAN via VPN

Fully featured Adobe Prelude, Premiere Pro, and After Effects applications running on standard desktop and laptop computers

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A MATCH MADE IN HEAVEN

The complementary architectures of Adobe Anywhere for Video and EMC® Isilon® scale-out network-attached storage (NAS) allow your organization to predictably and cost-effectively grow your production environment without costly infrastructure changes or downtime. Simply add another Adobe Anywhere node to the cluster as additional editors and artists are added to your workflow.

As you add additional compute resources to your infrastructure, scaling high-performance media data storage capacity and bandwidth is also straightforward The EMC Isilon X-series, S-Series, and NL-Series nodes can be combined to provide just the storage you need, when you need it. Additional EMC Isilon platform nodes are literally added to the cluster with the push of a button—the EMC Isilon OneFS® clustered operating system automatically scales bandwidth and capacity, dramatically simplifying growth over traditional SAN technologies.

Most traditional storage systems are based on a "head" and "shelf" architecture where the "head" provides a fixed capacity for network throughput. EMC Isilon scale-out NAS increases network throughput as additional nodes are added to the cluster, eliminating the restrictions of the head and shelf model. In addition, EMC Isilon customers can scale bandwidth and NAS cache without adding capacity by adding EMC Isilon A-series performance accelerator nodes to the cluster.

Adobe Mercury Streaming Engine nodes connect to the EMC Isilon cluster over a high-performance 10 Gigabit Ethernet network using the ATTO FastFrame NS12 10GbE adapter. The modular, tiered storage architecture of EMC Isilon builds a single, low-maintenance network drive volume that is used in a number of concurrent media workflows. The EMC Isilon SmartConnect® load balancing feature allows you to create zones of 1 Gigabit or 10 Gigabit Ethernet interfaces from multiple EMC Isilon nodes that provide dedicated bandwidth to the Adobe Anywhere cluster. Other nodes in the cluster may then be provisioned into additional SmartConnect zones dedicated to SMB, NFS, HTTP(S), or FTP(S) connections from your existing Media Asset Management (MAM), transcode, or other workflow services.

BEST OF BREED WORKFLOW

Modern video production workflows require next-gen workflow tools. Producers, editors and artists demand tools that allow them to work virtually anywhere, at any time, without constricting the features of their application. The Adobe Mercury Streaming Engine used by the Adobe Anywhere for Video cluster nodes allow your team to work from virtually anywhere, without proxies, rendering, or file transfers. Break free from the shackles of antiquated, proprietary editing platforms and adopt a next-gen infrastructure based on open protocols. The Adobe Anywhere REST-based API enables easy integration with products from mutual Adobe/EMC partners like Axle Video®, FilmPartners®, Sienna®, and Vizrt.

CONTACT US

To learn more about how EMC 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.

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