

# 4K WORKFLOWS IN VFX AND COMPOSITING

## Using Autodesk® Flame® and Dell EMC Scale-out storage for 4K uncompressed workflows

### ESSENTIALS

- Autodesk Flame—Interactive 3D visual effects (VFX), finishing, compositing, advanced graphics, color grading, conform, editorial, and look development.
- Supports industry standard 4K formats, 4K/UHD color management, real-time monitoring and playback via SDI of 4K/UHD material at 50P and 60P.
- Extreme Performance: Dell EMC Isilon All-Flash accelerates content creation, management and delivery in the most demanding creation, broadcast, and delivery environments.

### IMPROVING PRODUCTION QUALITY

Content creation artists today have both challenges and advantages. The challenges include viewer's demands for higher quality visual effects, reduced time-to-production, and, of course, the move to higher resolution formats like UHD, 4K and beyond. With more content choices, media types, and delivery options available, consumers will no longer accept "budget" production quality, they want cinematic quality for everything!

But there are offsetting advantages on content creators' side: improving and expanding toolset functionality, enhancements to supporting infrastructure technology, and new, more flexible and cost-effective toolset ownership models. Artists today have more technological horsepower, a wider range of tools, and greater application access than ever before. The goal is to give artists real-time access to high definition materials, in a collaborative environment, with tools that are familiar and functional.

### AUTODESK FLAME

One of those tools is Autodesk Flame software, Autodesk's flagship application for interactive 3D visual effects (VFX), finishing, compositing, editorial, and look development. Flame now offers an end-to-end 4K and Ultra HD workflow, from ingest and color management to real-time broadcast monitoring and output.

The new high-definition workflow supports industry standard 4K formats, 4K/UHD color management, real-time monitoring and playback via SDI of 4K/UHD material at 50P and 60P, and 4K capable substance textures. All of these features require extreme-performance storage behind the scenes in order to support real-time manipulation of high resolution images, a familiar collaboration environment, and enterprise-class media protection and security features.

### DELL EMC SCALE-OUT NAS FOR 4K WORKFLOWS

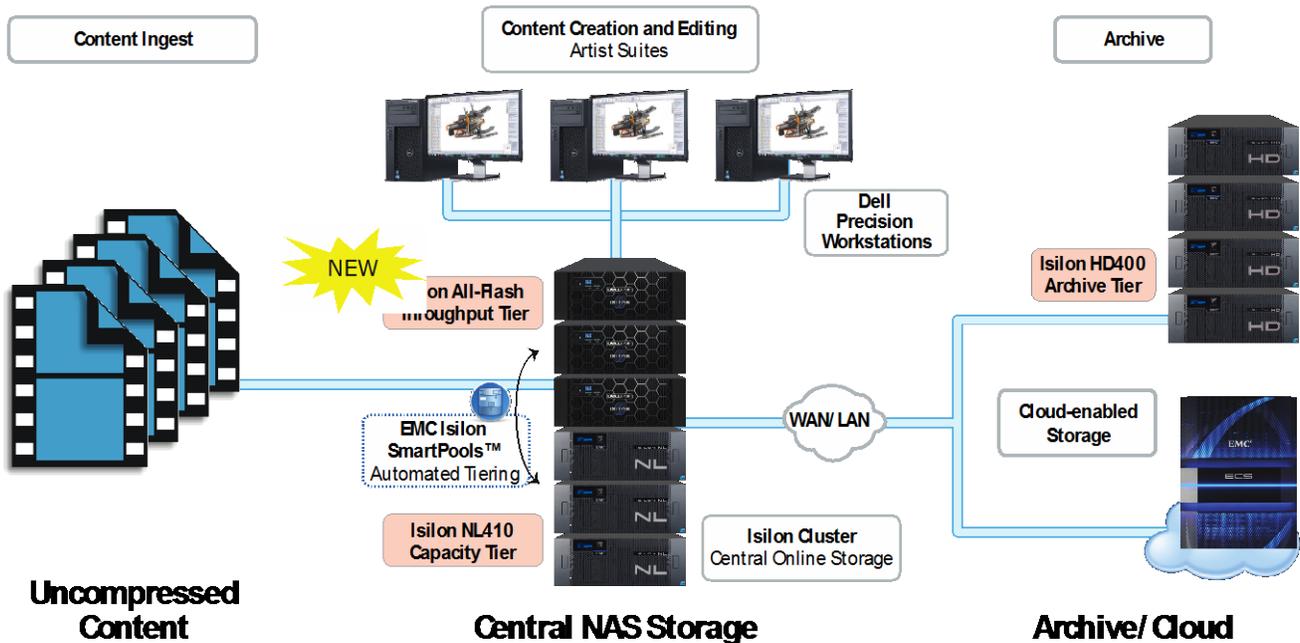
In the past, the only way to provide the high performance needed for uncompressed workflows was either through storage arrays built into each workstation or a maintenance-intensive file system and fibre-channel storage infrastructure. Now there is a simpler way to enable high-performance content creation with enterprise-class media protection, scalability and resiliency features—and that's with Dell EMC Isilon.

Dell EMC Isilon is a proven and trusted storage platform for media and entertainment applications, used by thousands of media professionals for many years. With the introduction of the Isilon All-Flash scale-out node to the Isilon family, combined with Flame, real-time VFX and compositing at 4K and beyond is a reality. Artists, animators, and editors get the best of both worlds: the performance of a shared and collaborative storage combined with the performance, scalability, resilience and simplicity of the Dell EMC Isilon storage platform.



## TOTAL UNCOMPRESSED 4K POST-PRODUCTION SOLUTION

As a leader in 3D design, engineering and entertainment software, Autodesk provides fast, collaborative and interactive tools for visual effects finishing and 3D compositing. Media professionals can now leverage Autodesk's tools in an integrated creative environment with Dell EMC's suite of enterprise-grade components, including Dell networking, servers, displays, Precision Workstations, and Dell EMC storage.



## ABOUT DELL EMC

Dell EMC is a trusted leader in media and entertainment storage for content creators, broadcasters, and content delivery providers. Dell EMC storage forms the foundation of a simple and future-proof infrastructure, giving you the agility to transform business operations, and the flexibility to adapt to new media workflows. Through innovative products and services, Dell EMC accelerates creation and monetization of media, helping media professionals store, manage, protect, and analyze their most valuable digital media assets.

Build your story on Dell EMC.

### CONTACT US

To learn more, contact your local representative or authorized reseller.



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