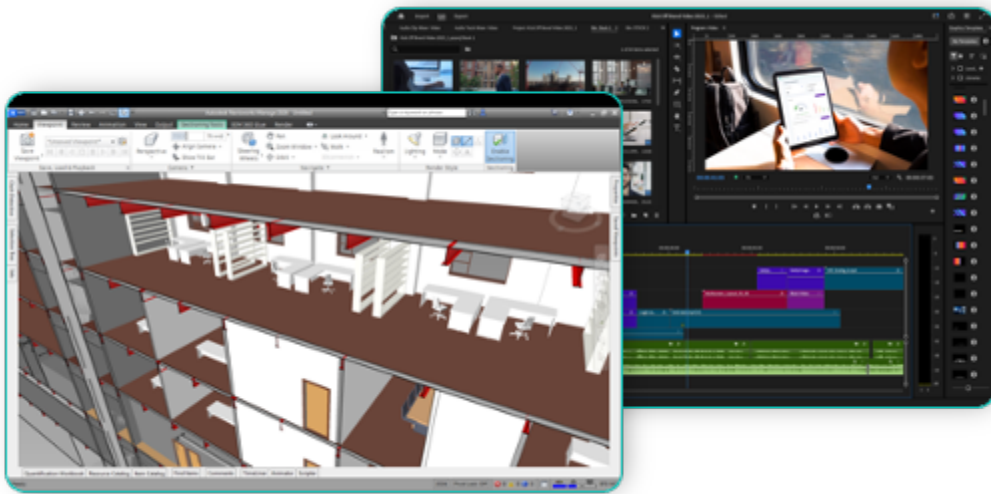




How Egnyte Harmonizes Application-Specific Nuances

Growing Content Complexity

Companies today are building incredibly nuanced and creative content. Unfortunately, there's a gotcha in the background of all of this application power and creativity. The moment a complex, gigabyte-range file needs to be shared across a distributed team, the workflow grinds to a halt. Unfortunately, every project requires this to facilitate reviews, edits, final approvals, and then project completion.



Nuanced 3D renderings, large 4K videos, and layered architecture drawings built on powerful applications are all fragile. These file types take forever to upload and download, edits take forever to process, and timelines get elongated to adjust. Constant uploads and downloads associated with reviews, edits, and approvals put complex files at risk. External references and other linked files can break, content in large video projects can get misaligned, and edits can get lost.

As a result, files get stuck in silos on individual machines, versions grow out of control, and teams waste hours waiting for files to upload, download, and sync. In fact, for many this process gets even more convoluted, requiring wired connections to servers in an office, VPNs, or shipping drives back and forth.

Why this is part of the normal workflow centers around a fundamental problem:

Powerful enterprise applications and generic file storage systems simply weren't built to work together. Simply put, the power of these desktop-based applications isn't compatible with the distributed workforce and cloud-based way of working.

Compounding this, applications don't treat data uniformly. These nuances can be the difference between a successful save and a broken file. The complexity only increases as files move to the cloud and grow in size.

The three key factors to consider are:

1. File locking rules
2. File linking and external references
3. Version control and saving behavior

File Locking: Your First Line of Defense Against Data Corruption

File locking ensures that a user can work in a file without interruption. Some apps allow co-editing and others don't, but every tool that brings cloud based collaboration has to take into account file locking nuances across apps to ensure data protection. The problem is that applications tend to vary in how they manage file locking.

- **Technical challenge**: Some applications use hard locks (exclusive access, preventing others from opening or writing), while others use soft locks (advisory warnings). Many cloud file systems fail to honor these application-specific locks, resulting in conflicting versions when multiple users access the file simultaneously.
- **Why interoperability is crucial**: Platforms must be able to detect and enforce the correct locking mechanisms globally to ensure that only one user works on a file at any given time, preventing the common "save conflict" problem.

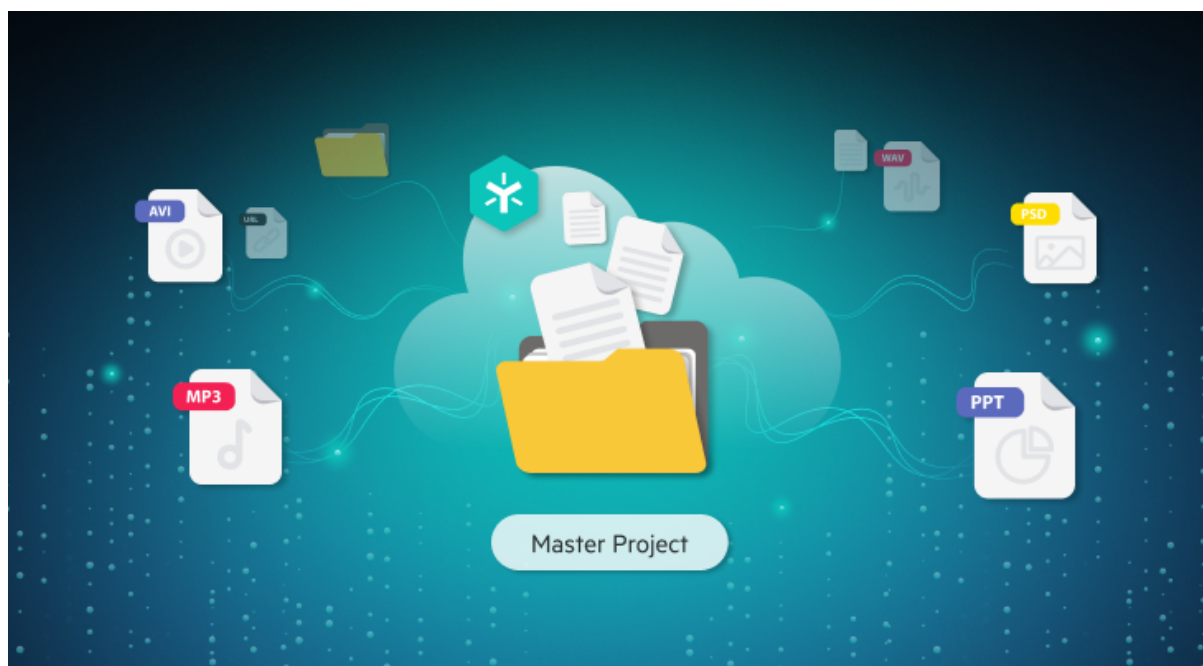


Handling File Linking and External References

Complex files often contain internal references to other files. Move a file or accidentally mess up a link, and an entire project can fall apart.

Think of a 4K video that's a compilation of clips, audio, graphics, and animations that—as a result of a broken link—now has misaligned audio, video, and animations that occur too early or too late.

- **Technical challenge:** Applications such as AutoCAD and Adobe Premiere Pro rely on relative or absolute paths to link source materials, textures, or assemblies. When files move from a local server to the cloud, these links often break, rendering the primary file unusable.
- **Why interoperability is crucial:** Storage systems must maintain the integrity of these links, regardless of where files are stored or how they're accessed, to ensure internal references remain valid.



Version Creation and Saving Protocols

Not every save is created equal, and that distinction matters more than most people realize. Fixing a typo on slide 35 of a 150-slide deck is different from adding voiceover to a video file.

- **The technical challenge**: Many applications perform frequent in-session saves (temporary, minor updates) before a final, user-initiated save. A generic file system that captures every temporary save can quickly generate thousands of meaningless version entries, overwhelming users and making audits nearly impossible.
- **Why interoperability is crucial**: Intelligent platforms distinguish between a temporary autosave and a final, meaningful version committed by the user, delivering a clean version history that simplifies rollbacks and audits.

Each of these challenges compounds the others, and solving them requires a platform built with application awareness at its core. The reason? It's not just about storing and sharing files, but collaborating on them. The key to enabling that is interoperability.

The Egnyte platform is built to understand and accommodate the behavior of powerful enterprise applications, enabling secure collaboration. The Egnyte platform automatically adapts to the specific requirements of each application, handling file locking, link integrity, and versioning as each tool expects, so teams can work together with ease.

This native application awareness is backed by a growing list of certified applications that are tested internally and with customers to ensure they perform exactly as expected within our cloud based architecture.

As these deliverables grow larger and more complex, Egnyte's desktop application, caching functionality, and application awareness combine to make working on these files easier and less risky.

For more information on how Egnyte can modernize and optimize your large-file workflows, contact your Egnyte representative or visit [Egnyte.com](https://www.egnyte.com).



Egnyte is a leader in secure content collaboration, intelligence, and governance, trusted by more than 23,000 customers to increase employee productivity, drive operational efficiencies, and secure mission-critical content. Egnyte's AI-powered platform empowers organizations to create, share, and protect their information at scale, with specialized solutions designed to meet the unique needs of organizations in architecture, engineering, and construction (AEC), financial services, life sciences, and other industries. For more information, visit www.egnyte.com.

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