

Ngeneea

Global Data Management for Distributed Media Workflows

Benefits



Single global namespace across file, object, cloud, and archive storage



Search and find data instantly across all tiers, regardless of where it is stored



Automate data movement and orchestration to reduce storage costs



Enable hybrid workflows with reduced egress costs and without unnecessary data replication



Treat cold tiers as an active archive, with powerful search capabilities



Fast and effective restores with no downtime in case of disaster



Integrate with existing production tools and workflows via REST and Python APIs

Modern media workflows no longer live within the walls of a single data center. Teams are distributed, storage is fragmented across on-prem and cloud, and the volume of data keeps growing. When data movement, compute scheduling, and storage lifecycle are managed separately, performance drops, costs rise, and production teams lose time they cannot afford to lose.

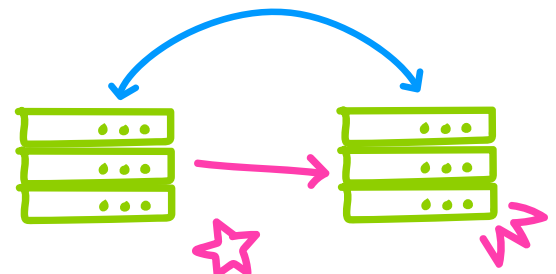
Most platforms treat storage tiers as separate problems to solve independently. Data gets duplicated, long-haul transfers become a bottleneck, and archive turns into a dead end that nobody can easily search or access. For organizations running demanding, time-sensitive workflows, that is not good enough.

Ngeneea

Ngeneea is a high-performance data orchestration platform that unifies storage across on-prem, cloud, object, and archive tiers into a single global namespace. Media and content teams can access, move, and manage files across any location without manual processes, and without needing to know where the data lives.

Ngeneea extends your existing file systems and orchestrates how data moves through your workflows automatically. Data stays visible and accessible as it moves between production, cloud, and archive, giving organizations full control over where their data is, what it costs, and how it gets there.

Built for the scale and pace of modern media production, Ngeneea handles everything from multi-site collaboration and cloud burst rendering to smarter archiving and content delivery. When paired with Pixstor, Pixitmedia's high performance, multi-tier parallel file system, Ngeneea brings automated data orchestration into high-performance production environments, helping media teams keep content flowing from creation through archive. Data moves based on simple rules and workflow needs, so assets are always on the right storage tier at the right time. Temporary files are cleaned up automatically, egress costs are kept in check, and teams spend less time managing data and more time working with it.



Feature Highlights

Data Management & Access	Cost & Infrastructure Optimization	Protection & Resilience
- Single global namespace across file, object, and cloud storage - Full metadata indexing and search across all storage, including archive - Direct access to data without manual recall - Hierarchical storage management with transparent tiering between performance and archive tiers - Transfer activity tracking for visibility, audit, and proof of delivery	- Policy-driven tiering by age, size, access, or location – hot data stays fast, cold data moves automatically - Free up primary storage by moving inactive data to cloud, object, or tape - Intelligent caching to minimize data transfer and egress costs - No additional licensing cost for data moved to external storage tiers - Capacity analysis tools to plan tiering and control costs	- Enterprise-scale data protection and business continuity without complex third-party software - Policy-driven sync and recall across tiers and sites - Audit logging for all recall, movement, and access events - Encryption in transit and at rest, with retention enforcement - Event-driven workflow chaining for automated, end-to-end pipeline steps

Platform Specifications

Specification	Detail
Architecture	Software-defined data orchestration platform
Deployment	On-prem, hybrid, cloud, edge
Tiering	File, object, cloud (any S3-compatible cloud), tape, third-party NAS
Namespace	Single global namespace across all storage types
Transfer performance	Up to 2.5GB/s per file
Security	POSIX and ACLs are preserved in all Ngenea targets. Full event audit and role-based security model
API	REST and Python APIs for workflow integration
Automation	Event-driven actions and workflow chaining
Connectivity	Control Plane via SSH Data Path: supports 10/25/100 GbE AWS and Google Direct Connect supported



Ngenea is available as an optional add-on solution to Pixstor, Pixitmedia's high-performance file storage platform for media workflows, and is not sold as a standalone solution.

Use Cases Powered by Pixstor and Ngenea



Multi-Site Collaboration

Unite distributed teams across sites by making data available in multiple locations in a single namespace, providing a consistent unified view of project assets and enabling seamless collaboration.



Storage Consolidation

Unify fragmented storage systems into a single global namespace without disrupting ongoing production workflows. File, object, and archive systems stay in place but appear as one simple environment, while storage is cleaned up, updated, or moved to lower-cost tiers in the background.



Smarter Archiving

Move data to object storage or tape without losing access to it. Archived data stays visible and easy to find, which lowers primary storage costs while keeping older content usable.



Cloud Burst Rendering

Use cloud compute for rendering or processing when demand increases without turning data movement into extra work. Only the data that is needed is sent, results come back on their own, and temporary files are handled by rule, helping keep cloud and transfer costs under control.



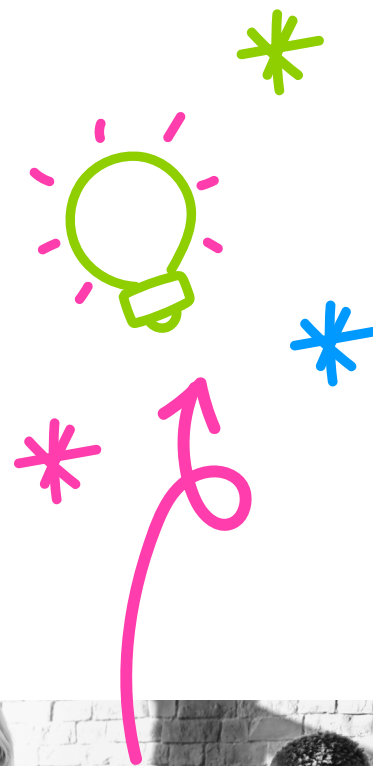
Content Delivery

Send files to partners or remote teams in a safe and controlled way. Data movement is tracked and follows simple rules, reducing manual work and extra copies.



"We now have an elegant, cost-effective way to share and work together on files across sites and time-zones, all without the headache and complexity of a global patchwork."

John Brady,
VP Production Technology, Brown Bag Films



Integrations

Pixstor integrates with industry-standard media and Ngenea integrates with industry-standard media and production tools including AWS Deadline Cloud, Projective Strawberry, OpenCue, and Autodesk Flow. Python and REST API support enables custom workflow integration, and Ngenea embeds directly into asset, project, and job management systems. It works with existing production tools and pipelines without disruption.

Support

Pixitmedia offers 24x7x365 support through web portal, email, and phone, with severity-based response targets. Support is delivered through a global follow-the-sun model, helping customers access assistance across time zones.

**Struggling to manage the flow of data
across sites, storage, and teams?**

**Contact us to see how Ngenea can make your
data movement simpler and more reliable.**



pixitmedia
by DataCore

Pixitmedia by DataCore is a leading provider of intelligent content and metadata management solutions for the media and entertainment industry. Our multi-tier technology combines high-performance access, storage, and archiving with powerful orchestration and AI tools to simplify workflows. Built on an open architecture, Pixitmedia enables seamless collaboration while keeping assets searchable, protected, and available when they're needed.

For further insights, visit:

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