



ngenea with pixstor facilitates distributed collaborative workflows, giving your teams access to the data they need, wherever it is stored, creating a global data management solution that goes beyond the cloud.

Developed by arcstream to overcome the challenges of moving and accessing data across multiple storage platforms, ngenea provides an enormously scalable high-performance data management layer that extends the existing filesystem into alternative storage options to give you complete control of your data, on your terms.

ngenea removes the complexity & overheads of data movement

- Transparently tier to remote filesystems, object and Cloud in a single namespace
- Utilise different storage resources based on business needs
- Migrate and recall from existing file and object stores as well as legacy storage
- Huge performance gains when moving large amounts of data
- Integrated with pixstor Search to find and recall assets from across all storage tiers
- Ensure data integrity and protection to the highest industry-standards

Dynamic Data Management

Gone are the days when your storage and workflows were confined to your own datacentre. Enabling technologies such as the public cloud, flash storage, virtualisation and high speed wide-area networks have levelled the playing field between the smallest and largest companies looking to focus on computations research. Whether your requirement is for HPC, AI/ML, workstation in the cloud or you simply have a need to store and protect large amounts of data, there is a rapidly consumable, on-demand solution available to meet these needs.

Move Data Easily Based on Business Need

With ngenea, you can quickly and securely transport data to and from globally distributed cloud, object storage, traditional NAS files and tape resources – automatically moving data into the ‘right cost’ resource according to value and usage as teams and business needs demand.

The Power of a Single Global Namespace

ngenea wraps existing file, Cloud and object storage in a global namespace with a single view of the data – retaining the full path and filename wherever that may be. Integrated with pixstor’s powerful enhanced Search capabilities, users and applications can find, read and access migrated data directly across distinct storage tiers – all in a seamless unified workflow.

TYPICAL USE-CASES

Cloud Burst & Compute

Efficiently deliver the data you need to cloud compute – when you need it, where you need it. ngenea delivers a consistent view of project assets whether computing on-premise or in the Cloud; delivering extraordinary performance and high-availability failover protection.

Multi-site Collaboration

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

Hierarchical Storage Management (HSM)

Manage storage costs by automatically migrating assets from primary storage to object storage, tape and Cloud.

NAS Acceleration

Files are directly accessed from high-speed pixstor storage as needed, intelligently moving data between pixstor and existing NAS storage.

Archiving

Move data to archive storage, whilst preserving ease of access and data management capabilities. arcstream's pixstor Search allows you to retain visibility of the assets no matter their archive status.

Experience ngenea in a Real-World Production Environment

The journey to change can be disruptive, with resources limited. Minimize your risk and gain a competitive advantage with our dedicated in-house lab facility.

The arcstream Lab at our UK headquarters is a dedicated facility showcasing the complete data workflow ecosystem, where you can test, collaborate and train with us in a real-world environment.

We guarantee the effectiveness of our solutions. We've invested in a full complement of legacy, current and leading-edge hardware, applications and tools to support the world's most challenging scientific data workflows, integrated with major Cloud services including Google Cloud, Amazon Web Services and Azure.

Supported Targets

- Amazon S3
- Caringo Swarm
- Ceph (S3 GW)
- EMC ECS
- Google Cloud Storage
- HGST Active Archive
- IBM Cloud Object Store
- Microsoft Azure Blob Storage
- NetApp Storage Grid
- Scality
- Spectra Logic Black Pearl
- SwiftStack S3
- Wasabi

NFS Based Storage Shares

- EMC Isilon
- Nexenta
- NetApp FAS
- Qumulo
- StorNext

and more...

About arcstream

arcstream equips teams with smarter, better orchestrated free-flowing data to power faster discovery, solving and innovation.

Our purpose-built, software-defined storage and data solutions work to complement and improve your existing infrastructure and provide a sustainable way to manage rapidly growing infrastructure.

Customer success is at the heart of our business. We offer solutions that fit your objectives and technical infrastructure, working with all major hardware and public cloud providers to do so.

arcstream is privately-owned and headquartered in the UK, with offices in the USA and Germany.

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