



### **KALRAY NG-Hub™ SOFTWARE-DEFINED DATA MANAGEMENT SOLUTION**

- **Global Namespace**  
Achieve global, high-speed access to data.
- **Cloud Enabled**  
Enable hybrid workflows with reduced egress costs and without unnecessary data replication.
- **Increased Asset Value, Lower Costs**  
Treat cold tiers as an active archive, with powerful search capabilities.
- **Automation**  
Reduce your storage cost by automating data management and orchestration.
- **Data Protection & Disaster Recovery**  
Fast and effective restores with no downtime in case of disaster.

## **NG-Hub™, a Modern Solution for Data Management**

As storage requirements keep growing astronomically, customers seek to lengthen the life cycle of their storage systems. Unifying heterogeneous storage tiers is high on the agenda of CTOs and accessible archive storage is more relevant than ever before. Cloud storage also continues to be a big topic for enterprises: businesses need hybrid cloud storage strategies for a variety of reasons, including cloud bursting, disaster recovery and global collaboration.

**NG-Hub™** provides holistic active data management bringing all storage infrastructures into the Global namespace. It enables enterprises to store the right data in the right place at the right cost.

NG-Hub™ unifies existing file and object storage systems into a single namespace. As such, customers can deploy object storage to move data sets off high-performance tiers when the data is no longer actively used. NG-Hub™ features strong search capabilities across storage tiers so users can find data quickly, regardless of where it is stored. With NG-Hub™, customers add data management to their existing home and archive storage infrastructures to automate data transfer between high-performance tiers needed for active workflows and archive storage, without the need for manual data movement being scripted into the workflow.

NG-Hub™ supports both private and public cloud storage and is certified for all S3-compatible public cloud offerings. Customers can create a single namespace with supported Cloud Service Providers, currently Amazon Web Services, Azure and Google Cloud Platform, in order to support remote teams.

# NG-Hub™ Solution Features

- **Hierarchical Storage Management**  
Transparent tiering between Home, Scratch and archive
- **Data Mobility**  
Simplified and efficient data movement with minimal duplication enables access to the right data at the right time
- **Data Migration**  
Easily migrate and recall from existing file & object stores as well as legacy storage
- **Data Protection & Disaster Recovery**  
Enterprise-scale data protection and business continuity without the need for complex third-party software

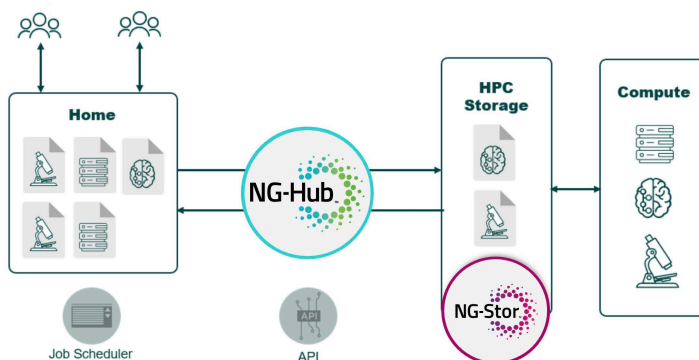
## Global Collaboration

Support distributed applications and remote teams. Global collaboration requires a single global namespace that allows remote users and applications to instantly access and share data across all storage tiers.

NG-Hub™ enables organizations to securely share data between remote teams, across sites. It creates a single namespace with supported (S3) CSPs and provides instant data access for distributed applications and remote users. NG-Hub™ features real-time availability and instant data access. It supports private clouds as well as AWS, Azure and GCP.

## Hierarchical Storage Management (HSM)

NG-Hub™ adds HSM functionality to existing infrastructure: it unifies file and object storage tiers into one single namespace. As such, customers can deploy high-capacity object storage to move data sets off HPC, Tier zero, higher-performance storage tiers when the data is no longer actively used.



## Cloud Bursting

When on-premises infrastructures reach peak capacity, NG-Hub™ allows organizations to “burst” extra workloads to public cloud services. This is a convenient and cost-effective method to support workloads with fluctuating demand patterns. Public cloud enables organizations to easily scale to meet workload demands, worldwide. Leveraging the scale and flexibility of public cloud enables customers to reduce the need for additional investment in on-premises infrastructure while preventing interruption to business-critical applications caused by sudden workload spikes.

**NG-Hub™ enables organizations to automatically transfer data from on-premises storage into the cloud, without manual data movement to quickly serve relevant data to compute instances in the Cloud.**

Intelligent caching minimizes data transfer costs, and there is no limit on the number of cloud compute instances. NG-Hub™ provides each cloud compute instance with an easy access protocol, and adheres to on-prem ACLs and security while only retrieving the required data to reduce egress costs.

