Data Center Migration and Consolidation

A service that quickly ingests and stores all your data, protects it automatically and provides real-time access to it anywhere

Migration Happens—What About All the Data?

Things happen in the business world that sometimes require organizations to migrate or consolidate their data centers. One of the biggest challenges is what to do with all the data—how to move it, store it and make it accessible in the new environment. Legacy storage is costly and hard-to-manage, with over-provisioned data silos and separate systems for primary storage, archives, backups and disaster recovery that have to be paid for and maintained. Many IT teams would love to get to something more agile and efficient, but they're unsure how to proceed.

You Need to Get to the Cloud—But How?

Despite the best efforts of IT teams, a data center migration or consolidation project can be a nightmare of epic proportions. Time required to move huge amounts of data onto a new platform, complex application rewrites, and issues with lost/misplaced data are just a few of the expenses and delays. They also know that an effective strategy must include the cloud, but data latency makes those limitless resources largely off limits. The complexity and technical obstacles have derailed many migration and consolidation initiatives, but now those days are over.

Simplify Your Migration with ClearSky

ClearSky Data allows you to unwind your complex data center, get to the cloud without re-writing apps, and eliminate consolidation nightmares—simply, easily and cost-effectively. The ability to ingest +20 TB of data daily and surface it automatically and instantly in another location is a huge win for IT teams, accelerating migration and consolidation projects. ClearSky's unique architecture eliminates latency for data stored in the cloud, enabling real-demand access to data wherever it is needed while dramatically shrinking data center footprints and reducing costs. Forget about complex, costly infrastructure—just plug in.
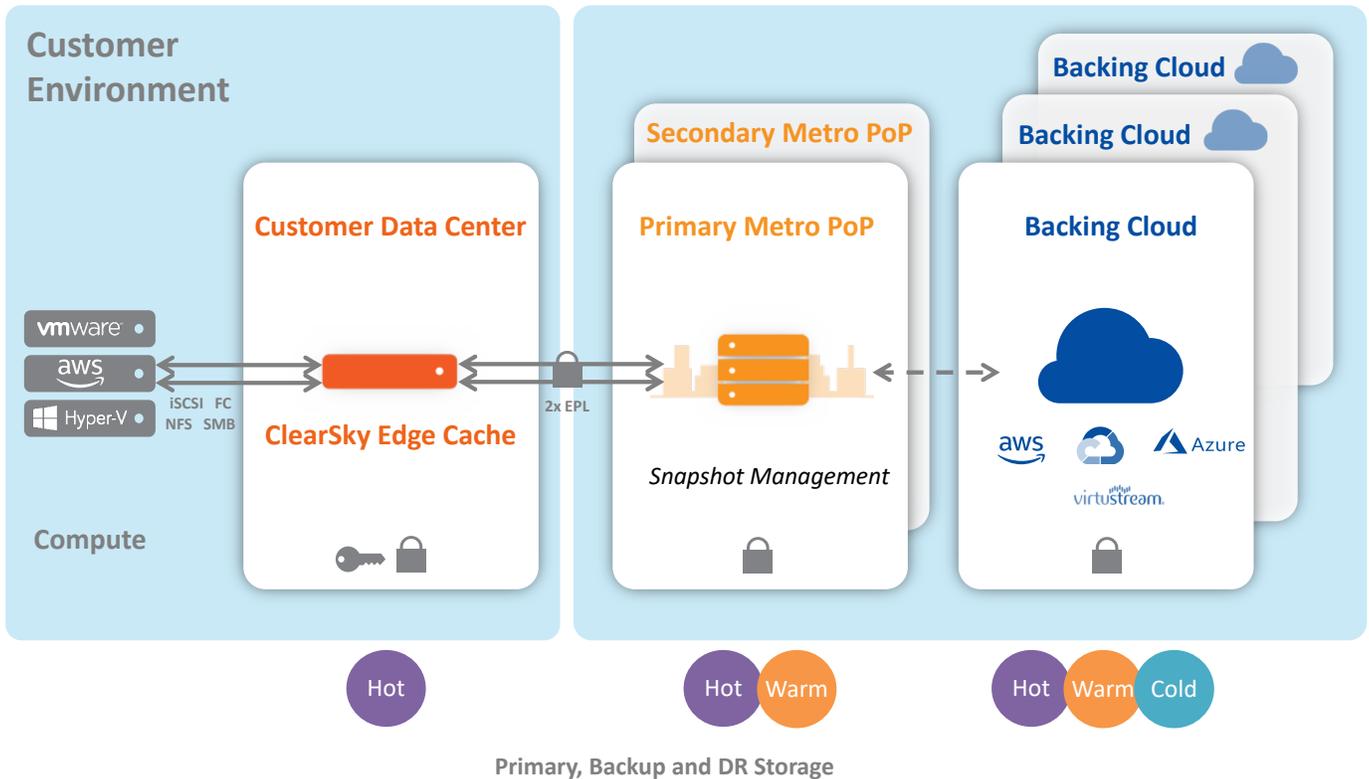
A Better Way to Migrate and Store Your Data:

» Ingest data quickly, access it anywhere
» Eliminate over-provisioning and data silos
» Leverage the cloud without latency
» Built-in, automatic data protection
» Reduce storage costs by 50% or more
» Guaranteed 99.999% uptime
» Guaranteed 99.999% data durability
» Ransomware protection

> As Nuance has grown, we've increased our infrastructure footprint globally. ClearSky gives us a single, durable copy of our data—complete with instant protection and value—through an on-demand consumption model that allows us to scale as needed.

Vice President of IT, Nuance Communications

The ClearSky Difference: Storage with an Edge

ClearSky's unique architecture revolutionizes enterprise storage while streamlining and accelerating migration to a more agile, cost-effective data center.

Eliminate Latency, Harness the Cloud

ClearSky's global storage network combines the real time performance of local flash storage together with the limitless scalability, protection and accessibility only available in the cloud. ClearSky's patented Smart Tiered Caching™ continually categorizes data and caches hot and warm data at the network edge near users and applications while delivering on-demand access to all data (including the vast majority that is cold) in the public cloud of your choice. Rather than a complex storage infrastructure that you have to buy, install, maintain and scale, there's one Edge Cache (managed by ClearSky) that installs in a few hours, with seamless, unlimited scalability behind it in the metro PoP and Backing Cloud.

Speed and Simplify Migration and Consolidation

The Edge Cache, in addition to providing real-time access to hot data, is also the entry point into the ClearSky service. By temporarily placing an Edge Cache in the old data center, data can be ingested into the service at more than 20 TB/day using ClearSky's high-bandwidth long-haul network. Hot and warm data can then be restored to the Edge Cache in the new data center and that metro area's PoP, with access to all data in the cloud beyond. Data is immediately usable in the new environment without rewriting apps—ClearSky stores data in native object format, enabling applications to continue accessing storage as block or file.

Automatic, Built-in Data Protection

Each ClearSky cache layer is a superset of the previous layer, which means there's no need for separate primary storage, backups, DR and archives—the architecture performs all these functions automatically. The approach eliminates a wide range of infrastructure costs and management headaches that have burdened IT departments for decades. By keeping hot and warm data close to users at the network edge, RTO and RPO are both zero.

Secure and Compliant

ClearSky is fully compliant with the SOC-2, PHI, HIPAA and GDPR standards for security and data privacy. While the architecture is a radical departure from traditional enterprise storage, it incorporates multiple security layers that are very much in the mainstream for protecting data in multi-tenant cloud environments and in transit in a network. Data is encrypted from the moment it enters the service inside the customer's data center and remains encrypted in transit and at rest, with the keys under exclusive customer control. Plug in to ClearSky and take advantage of unprecedented simplicity, agility and cost savings, knowing that your data is secure.

A Fully-Managed Service

ClearSky Data delivers enterprise storage as a fully-managed service for primary, backup, disaster recovery and archival data. Rather than multiple storage environments that have to be paid for and managed, there's a single durable copy of data accessible anywhere. The service is fully elastic; you pay for the storage you use and you can scale up or down on demand. Now you can eliminate storage management headaches and focus on productive work—ClearSky makes it possible.

Customer Spotlight: Nuance Communications

Challenge: Find a high-performance solution that delivers flexibility, cloud integration and consolidation across storage silos

Solution: ClearSky's on-demand primary storage with built-in offsite backup and DR as a single service

Incumbents: Hitachi, Dell EMC (EqualLogic, Data Domain), NetApp, Veritas NetBackup, Iron Mountain

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Benefits with ClearSky:

» Simple, rapid consolidation

» Single, durable copy of data accessible anywhere

» No rewriting apps

» All data is automatically protected—no replication, no egress fees

» **50% cost savings over traditional storage**

Let ClearSky simplify your data center migration and reduce costs.

Find out more at www.clearskydata.com