About InvenSense

InvenSense, a TDK group company is a world leading provider of MEMS sensor platforms which targets the consumer electronics and industrial areas with integrated Motion, Sound, and Ultrasonic sensor solutions. Founded in 2003, InvenSense is headquartered in San Jose, California with offices around the globe.

Background and Summary

InvenSense required a single region free cloud offering with predictable costs to support S3 backups. In addition, InvenSense needed to migrate up to .5 petabyte of data to the cloud in less than a day. Once migration to the cloud was complete, it was necessary for InvenSense to backup and restore data anywhere, without the latency and regional constraints nor additional charges normally associated with moving data from cold storage to warm or hot storage.
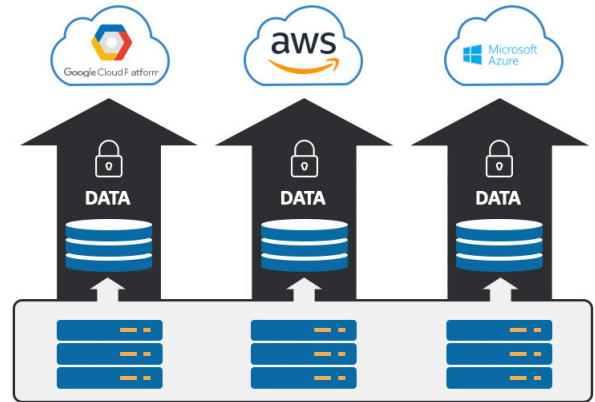
The Problems

1. Excessive and Unpredictable Costs
   - InvenSense needed to backup and restore data across disparate geographical regions affordably and without additional egress or regional charges. Backed up data needed to be 100% available, 24/7 to be in compliance with their customers' Disaster Recovery/Business Continuity requirements.
   - InvenSense chose Rubrik as their enterprise backup solution and required a secure Rubrik- compliant S3 endpoint.
   - InvenSense tested the three major CSP's S3 endpoint but was dissatisfied with unpredictable and excessive costs that varied by region, readiness of data (hot/warm/cold), frequency of data access and amount of time data was downloaded. It was important for InvenSense toaccurately forecast their data management budget three years out but was unable to do so due to unpredictable variable costs.

2. High-Risk Data Migration
   - InvenSense had large data sets on-premise. Migrating to any cloud provider would take about 462 days to copy data over the current connection.
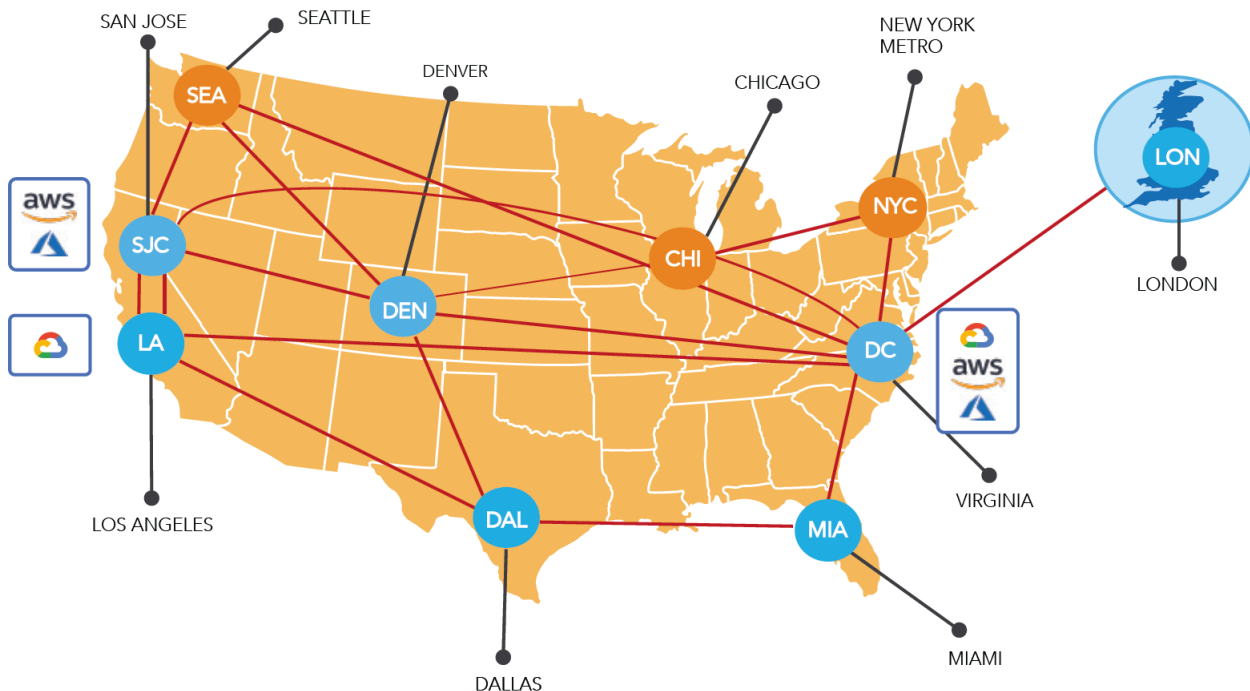
The Solution

1. With RSTOR's single region free cloud offering which provides native replication across the U.S., InvenSense's data is 100% available, 24/7 - always on in three regions.

   With RSTOR's predicable pricing model, InvenSense is charged for data-at-rest only. This model allows them to easily and confidently budget their cloud storage for the next 36 months.

2. Using RSTOR Transporter, RSTOR's data transporter unit which is a JBOD like device connected to their 100G switch, InvenSense migrated encrypted data off their network to a portable device. This device was transported to the nearest RSTOR Data Center for rapid ingestion to RSTOR Space in under 12 hours. RSTOR's professional service team worked closely with InvenSense to provide a fast and effective "white glove" solution.

RSTOR Data Center Fabric and Locations

The Result

InvenSense had their total cloud storage costs reduced by 70%. In addition, RSTOR enabled InvenSense to migrate all of their data in less than one day.