SPECTRA

SPECTRA Vail®

Distributed Multi-Cloud Data Management Software

Data aVailability regardless of physical location.

aVailable to any user anywhere in the world.

PreVail over cloud storage and egress costs.

SPECTRA Vail®

Distributed Multi-Cloud Data Management Software

Vail unifies all of your data, allowing you to leverage on-prem applications and native cloud services, no matter where your data is created or stored.

Leverage on-prem apps

Leverages on-premises applications and cloud services

- Integrate on-prem data with cloud services
- Right-size your cloud storage footprint
- Obtain serverless cloud-based management
- Access public cloud agility for on-prem infrastructure

Manage egress costs

Moves data between platforms and clouds managing egress costs

- Easliy move data to the cloud provider that meets your data needs
- Avoid cloud lock-in – Cloud cost control
- Optimize data egress for lowest cost and fastest access
- Seamless support for On-Prem Glacier* storage

Unifies and Simplifies

Unifies and simplifies storage across on-prem, multiple clouds and storage platforms

- On-prem and cloud storage integration across multiple clouds and sites
- Single global namespace – across multi-cloud and mutli-site environments
- Multi-directional data synchronization across clouds and on-prem
- Configurable policy engine manages data across multiple clouds and sites
- Data policy management accomplished at bucket level

Integrate cloud services

Integrates public cloud services into your distributed workflow

- Local storage and cloud service capability through seamless hybrid workflows
- Data accessibility independent of data's physical location
- Secure, central repository for long-term preservation and disaster recovery
- Asset placement where it is needed

Example Use Cases for Vail Sofware Workflows

SPECTRA Vail®

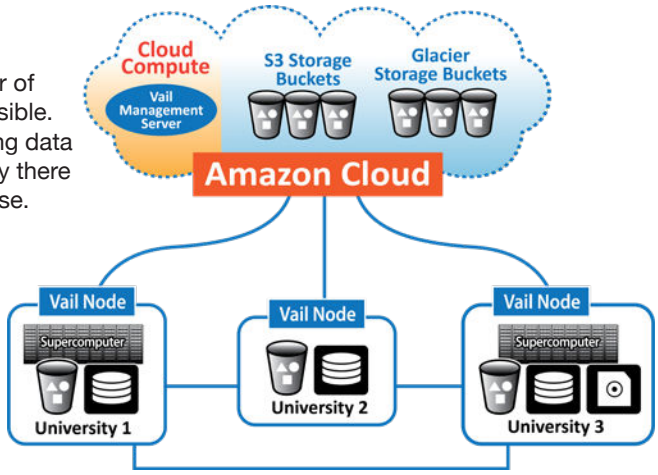
Vail Use Case - University

The Goal:

The University has a goal of uniting campuses so they can leverage local storage, but still collaborate and share data with other universities inside their network. Additionally, the local colleges would like to create a disaster recovery (DR) copy of their data in the event that a disaster was to affect their data.

The Challenge:

With their current workflow, sharing and collaborating with other universities was difficult and was only possible through a number of manual data transfers and movements prior to data being accessible. Another challenge was encountered when sharing and distributing data once new findings or results were documented and stored. Lastly there was a concern of ecoming locked into any single cloud they chose.



The Solution:

With Vail, this university was able to create site independence with collective data sharing and access across all locations. Through Vail's ability to transfer data directly from site to site without incurring cloud egress fees, the university was able to create a workflow that avoids cloud lock-in by keeping at least one local copy. Additionally, Vail was able to facilitate the process of ingest, research, compute and publication – all integrated into a single system and view of their data.

Vail Use Case - Government Agency

The Goal:

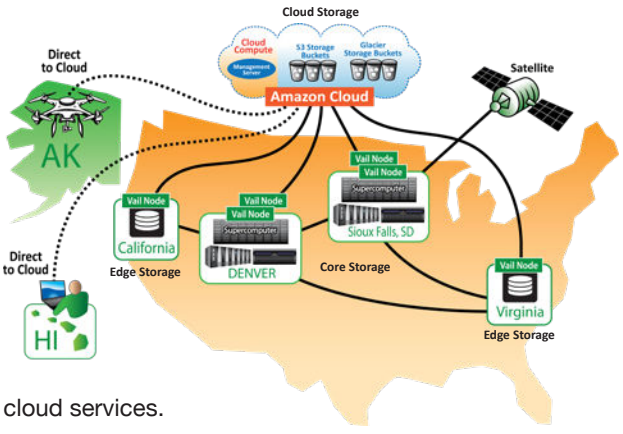
To find a way to collect globally dispersed data into a central repository where a supercomputer can perform analytics and generate results. Once results are generated, they must be shared with other departments and users.

The Challenge:

Remote offices and remote collection sites were unable to connect to a central location to transfer data, causing delays and other challenges of transferring data. Once results were generated, the public cloud was used to distribute the data. This resulted in unplanned egress and out-charges with the public cloud and alternatives needed to be evaluated.

The Solution:

With Vail, this government agency was able to implement an end-to-end data management and delivery service that allows data collection from instruments and contributors from all over the world using a combination of edge, core and cloud computing locations. In addition, they can store data in AWS and on on-premises according to a policy defined to meet service levels that match the value of the data over time, while managing access costs to adhere to the needs of the data consumers and their budget resources.



Lastly, Vail is able to keep historic data in a multi-site, durable, accessible, and affordable datastore. Any dataset can now be accessed in minutes while only paying storage costs.

With Vail, this agency is able to leverage any combination of public clouds and on-premises datastores. They are able to choose the storage tier that matches the value of their data and response time needed for any point in time access to the data. This happens while managing the data based on the elasticity and reliability of AWS cloud services.

Vail Use Case - Broadcast Group

The Goal:

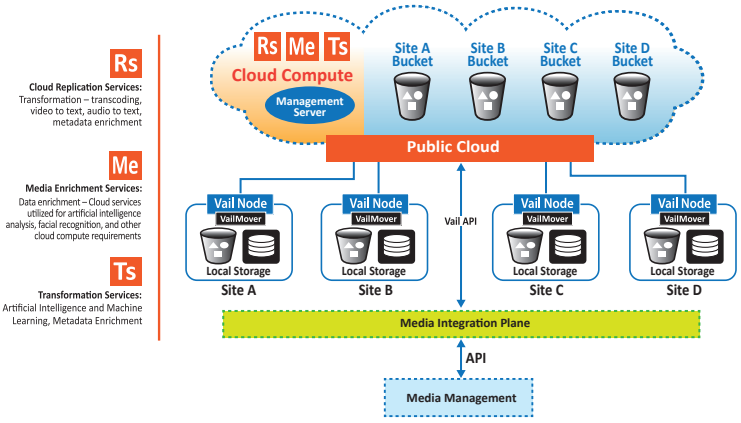
To create an automated workflow that seamlessly utilizes cloud services such as transcoding, edit, playout and metadata stripping. Additionally, to create a common platform for all assets, making them available from anywhere, to anyone.

The Challenge:

With over 100 sites spread across the nation, and with every station able to choose tools that work best for their station, a challenge of storing and managing content across sites was discovered. Cloud services and storage costs both began to rise, becoming cost multipliers in the overall workflow.

The Solution:

With Vail, this broadcast group was able to deliver a single media manager across all sites, accessed by thousands of users, in a future-proof S3 interface. Cloud-based workflow automation was achieved by storing high res and raw video content locally, reducing costs. Vail was able to manage media and metadata (sidecar) as objects within a single name-space. Vail also automated site placement of data based on tags with staging, auto caching, network optimization – and direct site-to-site transfers. By only using AWS for cloud services and keeping HD and raw content locally, the cloud bill was reduced by over 70%.



Vail Use Case - Post Production Studio

The Goal:

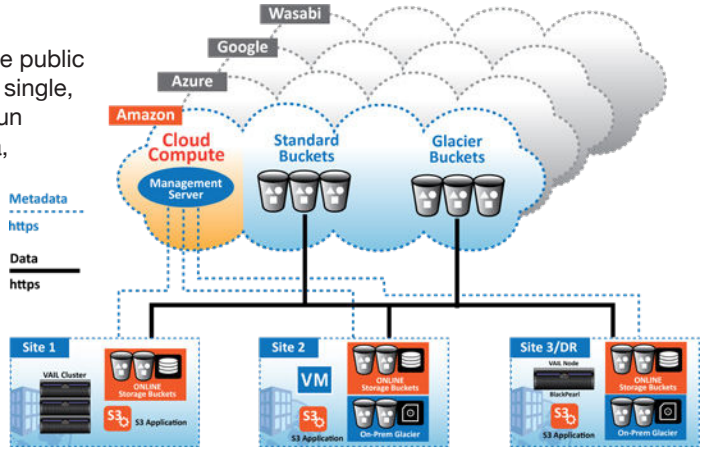
This post production organization was looking to leverage the public cloud in their workflow. The desire was to utilize cloud services, such as transcoding, as well as store a long-term preservation copy of their finished work.

The Challenge:

The primary challenge was how could they efficiently and affordably get their content into the cloud to begin utilizing cloud services. Additionally, cloud storage and egress fees became a big concern.

The Solution:

Vail enabled this organization to extend their data center into the public cloud by managing object storage in multiple locations under a single, policy-based management structure. Customers who want to run applications on one or more public clouds with production data, but still needed needed to use the production data on-prem. With Vail, they were able to synchronize object data to any number of S3 storage pools. This allowed them to leverage both on-premises and cloud applications for the same data without negative impacts to their SLAs. At the same time, they kept their cloud costs under control by populating data to the public cloud when it was needed and deleted it when it was not. During the migration to the cloud, Vail kept the on-premises and cloud storage synchronized so that the content was usable in both locations simultaneously.



About Spectra Logic Corporation

Spectra Logic develops data storage and data management solutions that solve the problem of long-term digital preservation for organizations dealing with exponential data growth. Dedicated solely to storage innovation for 40 years, Spectra Logic's uncompromising product and customer focus is proven by the adoption of its solutions by leaders in multiple industries globally. Spectra enables affordable, multi-decade data storage and access by creating new methods of managing information in all forms of storage—including archive, backup, cold storage, private cloud and public cloud. To learn more, visit www.SpectraLogic.com.

GSA 47QTCA20D0064

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