



## Distributed Multi-Cloud Data Management Software



Spectra Vail® is a breakthrough cloud data management software solution for the multi-cloud world. Vail unifies all of your data, allowing you to leverage on-premises applications and native cloud services, no matter where your data is created or stored.



Finalist  
Cloud Award  
2021-2022



DCS AWARDS  
FINALIST  
2022





# Rethink the Cloud: Making Your Cloud Experience Better

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

Vail provides a user experience that is built utilizing Amazon® Web Services (AWS®), meaning that users familiar with AWS will have an easy transition to Spectra's Vail software. Vail's multi-synchronization capability manages cloud and on-premises storage repositories so that customers can direct users to either type of storage based on that user's locality and performance requirements, all under a single pane of glass management user interface (UI). Vail enables workflows that leverage the flexibility and agility of cloud services while keeping data locally when needed, allowing egress optimization for lowest cost and fastest access from available storage. For datasets that are on-premises, Vail can synchronize them to public cloud storage enabling public cloud applications to leverage the same data as on-premises applications.

## Leverage cloud services

Vail enables users to extend their data center into the public cloud and manage data in multiple clouds and multiple locations under a single, policy-based management structure. During the process to leverage the public cloud and the services it can provide, Vail can keep the customer's on-premises and cloud storage synchronized so that the data is usable in both locations simultaneously. This allows on-premises applications and cloud applications to use the same data without negative impacts to performance. When data is no longer needed in the public cloud, a golden copy can be maintained on-premises, and the copies in the public cloud can be erased to stop the metered service, without losing the long-term preservation often required.



## Multi-site, multi-cloud

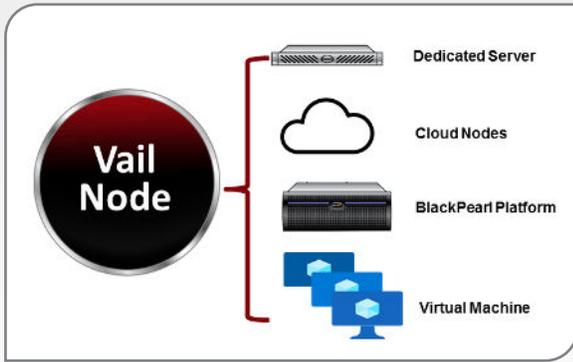
There are many ways to extract value from data today. With more public cloud providers providing overlapping and complementary capabilities, users have reasons to want the same data in multiple locations in a synchronized way. Vail extends multiple public and private clouds into a single global namespace with a user-defined policy engine so that data can be leveraged where it has the most value and at the optimal cost. With a complete copy of data in the on-premises data center infrastructure, customers can populate and synchronize object data into whichever cloud they want on demand. Then once the computations are completed, the data can be deleted from metered locations without incurring egress charges.

## Control cloud costs

By keeping object data which is actively used by cloud-based applications in the cloud and storing an entire copy of data on-premises, customers can use their data center infrastructure to store a golden copy of data. This will save on metered cloud costs while continuing to extract maximum value out of their cloud services. When data stored on-premises is needed in any public cloud, customers can populate and synchronize data to the cloud location where it delivers the most business value. When the data is no longer being used in a metered public cloud, the customer can delete the data from that location without incurring egress charges.



# Building Blocks of a Vail Solution:



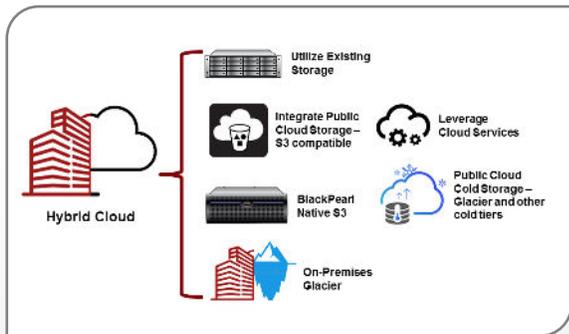
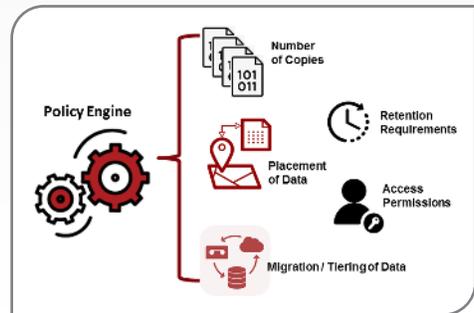
## Connection Types (Vail Nodes)

A Vail node is a software package that can be deployed on a number of options:

- A virtual machine or on a BlackPearl storage platform
- Existing storage
- Cloud storage – AWS, \*\*GCP, \*\*Azure
- Spectra storage
- Local glacier tier (tape behind BlackPearl)

## Lifecycle Policies Drive Vail Solutions

A lifecycle policy in a Vail solution consists of rules that dictate where objects are stored and the length of time they are stored in each storage location. Each lifecycle policy is created by the administrator to fit the desired workflow and retention periods. Users can determine the placement of objects in the bucket by specifying the number of copies the rule will keep and the specific storage pools to use. The available storage targets consist of public cloud storage tiers and local storage under control of a Vail node that has been integrated into a Vail Sphere.



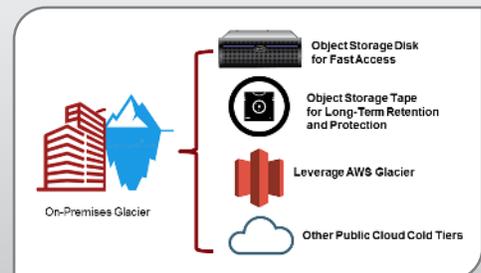
## Hybrid Cloud Integrations

Vail presents both on-premises and cloud-based storage options within the lifecycle policies. Copies can be made immediately or after, in any location, to any storage target or medium, and presented to the user as one simple storage system that reacts to their immediate needs.

From storage to compute, Vail integrates with the major cloud providers and any cloud using S3 protocols. This eliminates cloud lock-in and provides the ability to leverage the cloud and cloud services that fit the desired workflow.

## Glacier Storage for Long-Term Retention

Creating a local glacier repository is now possible with the help of Vail. Glacier storage delivers substantial cost savings and infinite scalability. The benefits of a Vail solution cannot be overstated. The fact that long-life object storage disk and literally unlimited tape capacity can be realized, makes your own glacier storage tier an easily attainable reality. The seamless combination of affordable disk and ultra-cost-efficient tape, means that any company's growing data universe can be organized and managed in a whole new way – and without any cloud lock-in limitations.



\*\*future release

# IT Challenges That Spectra's Vail Software Can Solve

Vail enables organizations to store object data in any number of locations – whether in a public cloud, on-premises or both. Vail extends your public cloud storage and on-premises storage to become a single platform of object storage locations managed by user-defined policies to optimize service level agreements and costs to match the value and location of the data. Organizations can synchronize any S3 source with any number of S3 targets to make data available to any application in any cloud. Vail delivers the flexibility to balance data location, performance and cost in a single managed, unified cloud operating environment.

Challenge	How Vail can solve the problem
How do I transition to the public cloud while still utilizing my on-premises storage during the transition?	Vail provides a single namespace to all storage it manages regardless of physical location, including: flash, disk, tape, and public clouds, creating a connected infrastructure that is able to store data locally or in the cloud.
How do I minimize cloud storage retention and egress fees?	With Vail you can leverage what the cloud does best – automated services and disaster recovery – while keeping data onsite for lower cost. You can even use Vail to create your own on-premises glacier storage tier for greatest cost savings.
How do I connect or transition my data between multiple cloud storage vendors?	With Vail, cloud lock-in is no longer an issue when adopting a cloud workflow. By leveraging multiple public clouds, Vail delivers freedom to choose the cloud (and cloud services) that fits your needs. Choose the clouds that work for you. Painlessly move data between cloud vendors without your applications even being aware that the data has moved.
How can I enjoy public cloud benefits if my organization cannot store data in the public cloud?	For organizations that are unable to utilize the public cloud for any number of reasons, Vail delivers a cloud interface and management experience, making all data accessible from anywhere in the world, all while using on-premises storage and maintaining control over your data.
How can I leverage my existing investment in storage technology when moving to the cloud?	With Vail's storage-agnostic approach, existing hardware and software can be utilized in a Vail workflow providing investment protection and utilizing existing equipment, and in turn offsetting cloud costs with local storage.
How do I connect my multi-site environment to enable sharing and collaboration easily?	Vail provides the ability to manage data regardless of physical location and bucket-level policies can be applied to data to determine where the content should reside, where it should be transferred and with whom it should be shared.
How can I remain flexible in a world moving to the cloud?	Vail provides value-add to solutions with a cloud-like workflow by providing a hybrid system that highlights on-premises value while enabling cloud services and storage.
How can I manage opex, capex, and surprise costs associated with storing and accessing all of my data?	With Vail's licensing flexibility, options are available to control costs and allocate budgets to balance the upfront expense with ongoing expenses, reducing surprise costs traditionally associated with cloud workflows.
How can I use cloud services without keeping all my data, long-term in the cloud?	Vail allows for raw content and high-resolution content to be kept locally, while cloud service data output and lower-resolution proxy files are used in the cloud. Once the final cut list is created, high resolution and raw content can be accessed from local storage, saving time and money.



\*Amazon Glacier® is a registered trademark of Amazon Technologies, Inc.

## About Spectra Logic Corporation

Spectra Logic develops a full range of Attack Hardened™ data management and data storage solutions for a multi-cloud world. Dedicated solely to data storage innovation for more than 40 years, Spectra Logic helps organizations modernize their IT infrastructures and protect and preserve their data with a broad portfolio of solutions that enable them to manage, migrate, store and preserve business data long-term, along with features to make them ransomware resilient, whether on-premises, in a single cloud, across multiple clouds, or in all locations at once. To learn more, visit [www.spectrallogic.com](http://www.spectrallogic.com).



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