

Using Hybrid Storage with the SDVI Rally Platform

Start benefiting from cloud-based media supply chains today — without abandoning your existing on-premises infrastructure

Solution Overview:

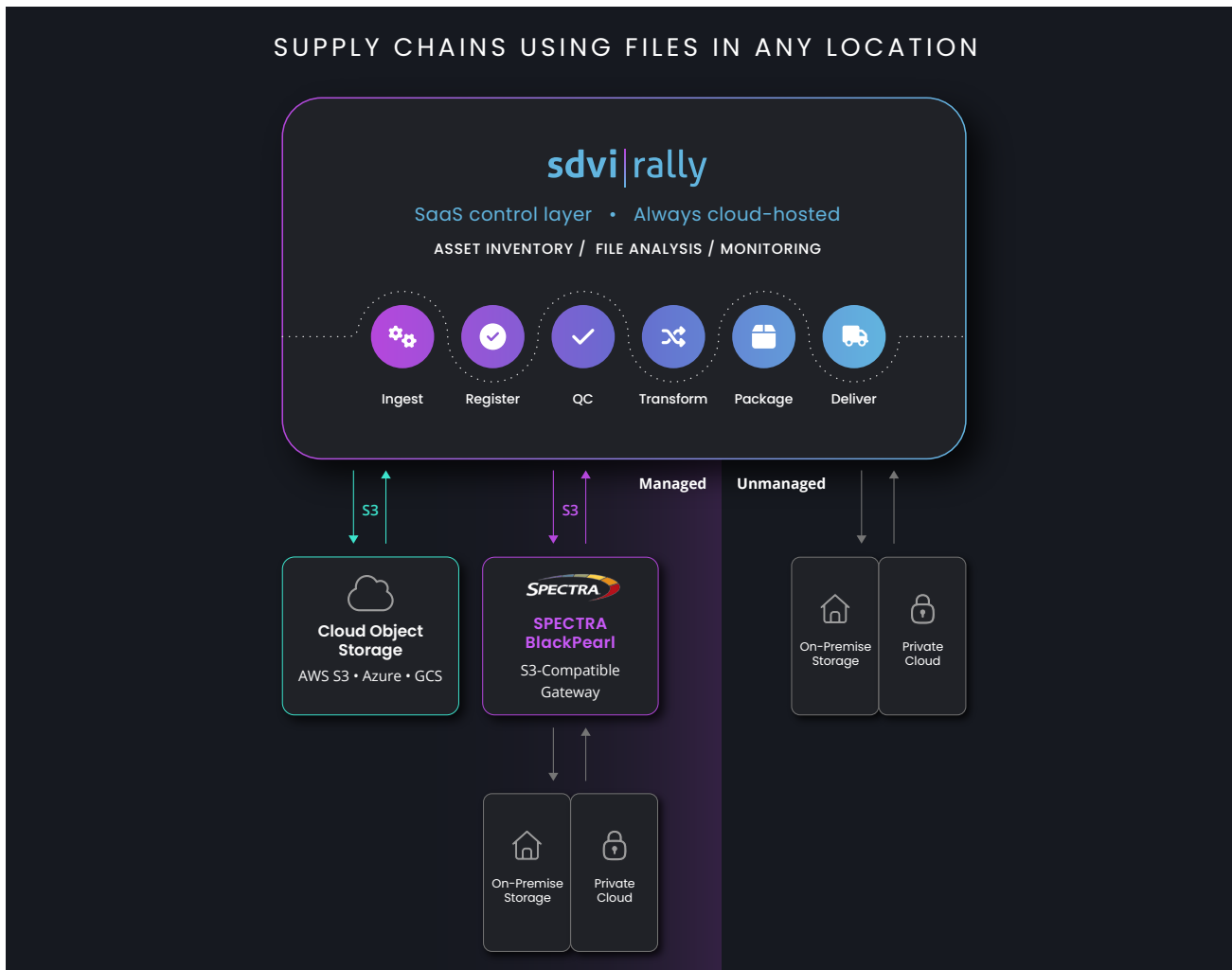
The benefits of cloud-based media supply chains are clear: elastic scalability, pay-as-you-go economics, access to a growing ecosystem of powerful processing tools, and the agility to pursue new business opportunities faster. However, for many media organizations, moving everything to the cloud, or all at once is neither practical nor desirable. You may have significant investments in on-premises storage for operational, compliance, or governance reasons to keep your content on-premises for the foreseeable future, while reaping the benefits of hybrid infrastructure.

The good news is that you don't have to choose between modernizing your operations and protecting your existing investments. SDVI Rally is a cloud-native media supply chain platform whose control layer runs entirely in the cloud as a SaaS service — but it is designed from the ground up to work with media assets wherever they happen to live. Whether your content is in on-premises storage, a private cloud, or public cloud object storage, Rally can manage, analyze, and run supply chain workflows against it.

For connecting on-premises and private cloud storage into Rally, SDVI has partnered with Spectra Logic. Spectra's BlackPearl Object Gateway presents on-premises storage to Rally via a standard S3 interface — the same protocol Rally uses with public cloud storage — giving Rally consistent, first-class access to content across your entire storage environment. Whether a customer already has object storage managed by BlackPearl or uses Spectra's Rio Media Engine to move files and objects into BlackPearl from other on-premises locations, BlackPearl is a certified on-premises endpoint accessible by Rally from the cloud. And for teams with existing on-premises processing infrastructure, Rally's User Defined Provider framework lets you integrate those systems directly into Rally-managed supply chains, protecting that investment through its natural lifecycle.

Benefits:

- 1. Run cloud-based supply chain workflows against existing on-premises content — no mass migration required**
- 2. Track and manage all assets across on-premises, private cloud, and public cloud in Rally's unified Asset Inventory**
- 3. Run automated media analysis on content in any storage location**
- 4. Continue using existing on-premises processing infrastructure through its natural lifecycle**
- 5. Gain hybrid infrastructure benefits: efficiency, control, and predictable costs**



Solution Description:

The SDVI Rally Hybrid Storage solution gives media organizations a practical, low-risk path to cloud-based media supply chain operations — without requiring a big-bang migration of content or infrastructure. Rally’s cloud-hosted SaaS control plane orchestrates workflows across all of your storage environments, while Spectra BlackPearl Object Gateway and additional integration options ensure that on-premises content and infrastructure can participate fully in those workflows from day one.

The solution supports three complementary integration models — for managed cloud storage, managed on-premises storage or unmanaged content access — which can be used individually or in combination depending on your organization’s needs and migration timeline.



Managed Cloud Storage

For cloud storage, Rally is cloud-agnostic and supports all major object storage providers — including AWS S3, Google Cloud Storage, and Microsoft Azure Blob Storage. This gives organizations the freedom to choose storage providers based on their own strategic, financial, regulatory, or data sovereignty preferences.



Managed On-Premises Storage via Spectra BlackPearl Object Gateway

Spectra BlackPearl Object Gateway acts as an intelligent gateway between your on-premises or private cloud storage and the Rally platform, presenting it as a fully S3-compatible location — including the role-based access controls and storage event notifications Rally requires to treat it as a first-class managed storage environment. Rally automatically detects new content, tracks files as they change or are removed, runs media analysis, and makes those assets immediately available for supply chain workflows — exactly as it would for content already in the cloud. Because cloud processing instances remain cloud-resident, Spectra BlackPearl works best as a content gateway: files flow to the cloud for processing when needed, and results are returned to wherever is appropriate — on-premises, cloud storage, or both.



Flexible Access for Unmanaged On-Premises Content

If you prefer to keep certain content outside of Rally's managed inventory, Rally can still incorporate it into supply chain workflows. File locations can be stored as metadata within Rally assets, and content can be moved using SDVI Mover — Rally's built-in transfer capability supporting SFTP and a range of third-party transfer services. Organizations can also host their own SDVI Mover instances on their own AWS infrastructure to reach storage that cannot be accessed cross-account directly, giving you the flexibility to bring additional storage locations into Rally-managed workflows over time without requiring network changes.

Design consideration:

While on-premises storage connected via Spectra BlackPearl Object Gateway is functionally equivalent to an AWS S3 bucket within Rally, cloud-based processing instances remain cloud-resident. Latency and data egress costs are therefore relevant factors when designing supply chains that process on-premises content directly. The recommended pattern is to use Spectra BlackPearl as a gateway to move content into the cloud first, execute multi-step processing workflows against cloud-resident copies, and use on-premises storage primarily as the content source and long-term repository.

About Rally:

SDVI Rally is a cloud-native media supply chain platform that automates and orchestrates the deployment of all applications and infrastructure to create a dynamic, responsive media supply chain. Delivering unmatched levels of agility, efficiency, elasticity and data-driven insights, Rally gives media companies a competitive advantage to pursue new opportunities faster and more intelligently. Rally's SaaS control layer is always cloud-hosted, with extensible integration tooling enabling customers to connect on-premises storage and processing infrastructure into Rally-managed supply chains.

About Spectra BlackPearl:

Spectra BlackPearl is an object storage platform from Spectra Logic that provides a fully S3-compatible interface for on-premises storage. BlackPearl Object Gateway presents on-premises storage to SDVI Rally as an S3-compatible endpoint — including the role-based access controls and event notification capabilities required for Rally managed storage integration — enabling media organizations to make their existing storage fully accessible within cloud-native Rally supply chains, without requiring upfront content migration.

For further information, visit www.sdvi.com, or email us at info@sdvi.com