

Datameer Spectrum for Amazon Web Services

Datameer Spectrum for Amazon Web Services (AWS) brings the industry's most powerful, flexible and analyst-friendly analytic data management platform to the world's leading cloud computing platform. Using Spectrum on AWS, you can streamline the flow of data for analytics with a simpler, more agile cloud data architecture that integrates with critical AWS services for seamless, scalable and secure execution.

Datameer Spectrum helps organizations gain the maximum value from their data by creating and executing secure, scalable and accessible business data pipelines that connect users to the data they need when they need it. Spectrum offers a complete platform that simplifies and accelerates the time consuming, cumbersome process of turning complex, multi-source data into valuable business-ready information.

Many organizations have moved their data lakes and analytics to the cloud, taking advantage of limitless data storage and compute resources from suppliers like AWS. Datameer helps organizations create an agile, hybrid data architecture in the cloud to build and manage analytic data pipelines for faster delivery of insights and the ability to deliver new, innovative analytics.

AWS Integrated

Spectrum leverages AWS compute, storage and software services to provide the utmost scalability and an integrated experience. Spectrum also integrates with downstream data sources and upstream analytic tools to create seamless data pipelines that transform and flow data to analytic destinations.

Simplify Your Architecture

Beyond easy access to on-demand powerful compute and storage resources, the cloud also offers a wide array of specialized tools to build a data architecture in the cloud. But this myriad of focused tools can complicate the creation of a unified data architecture for analytics, requiring integration and complex programming to piece together the solution.

On AWS, Spectrum simplifies your cloud analytics data architecture by utilizing and extending AWS tools, and providing a higher level approach to create and manage data pipelines that feed your cloud analytics.

Spectrum's no-coding approach enables agile creation and continuous execution of seamless pipelines that transform disparate datasets from S3, Redshift, Aurora and on-premise sources, delivering curated result sets to analytic platforms such as Redshift, Athena, Quicksight and Amazon ML for faster insights and innovative analytics.

Agility and Elasticity

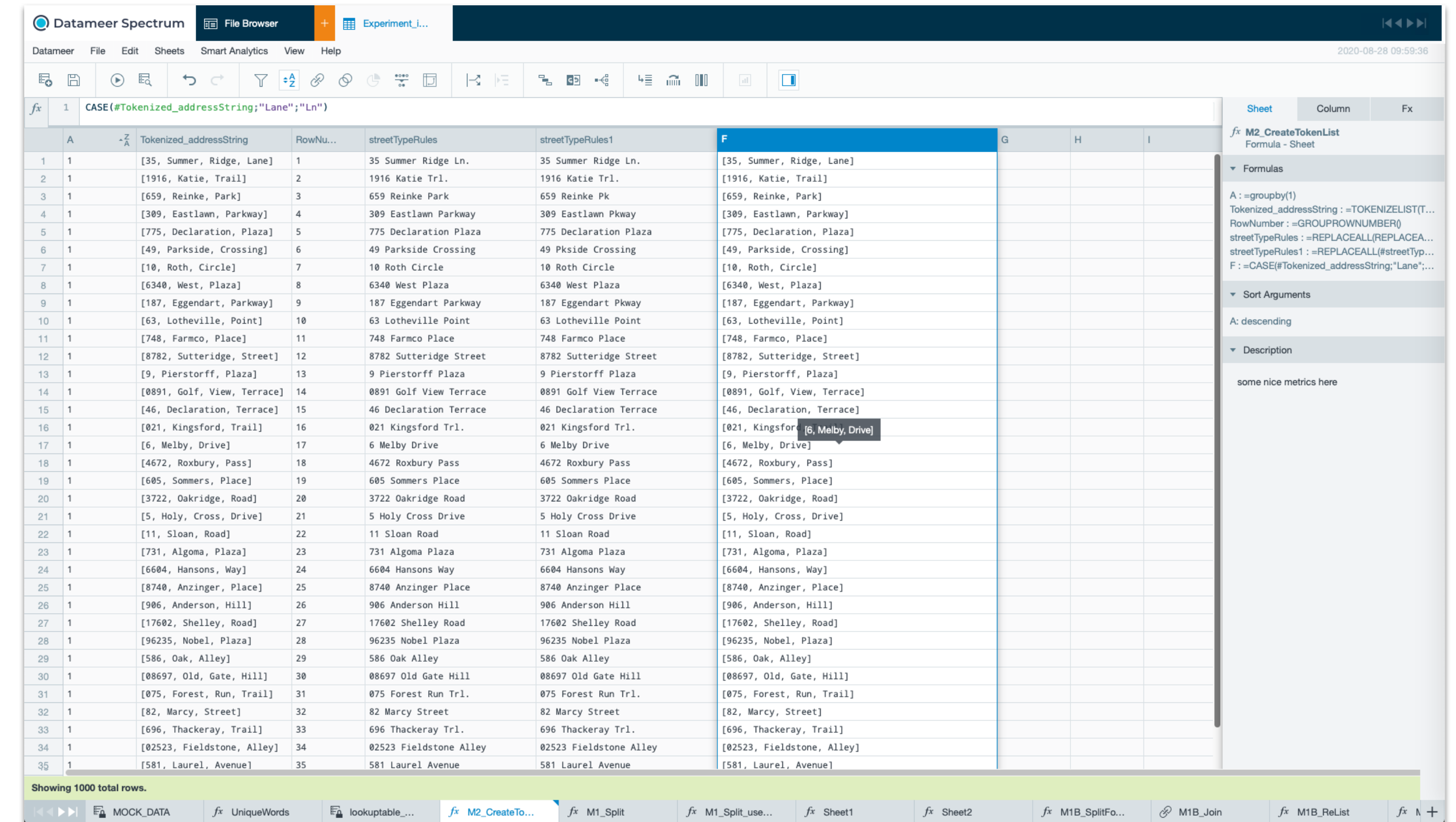
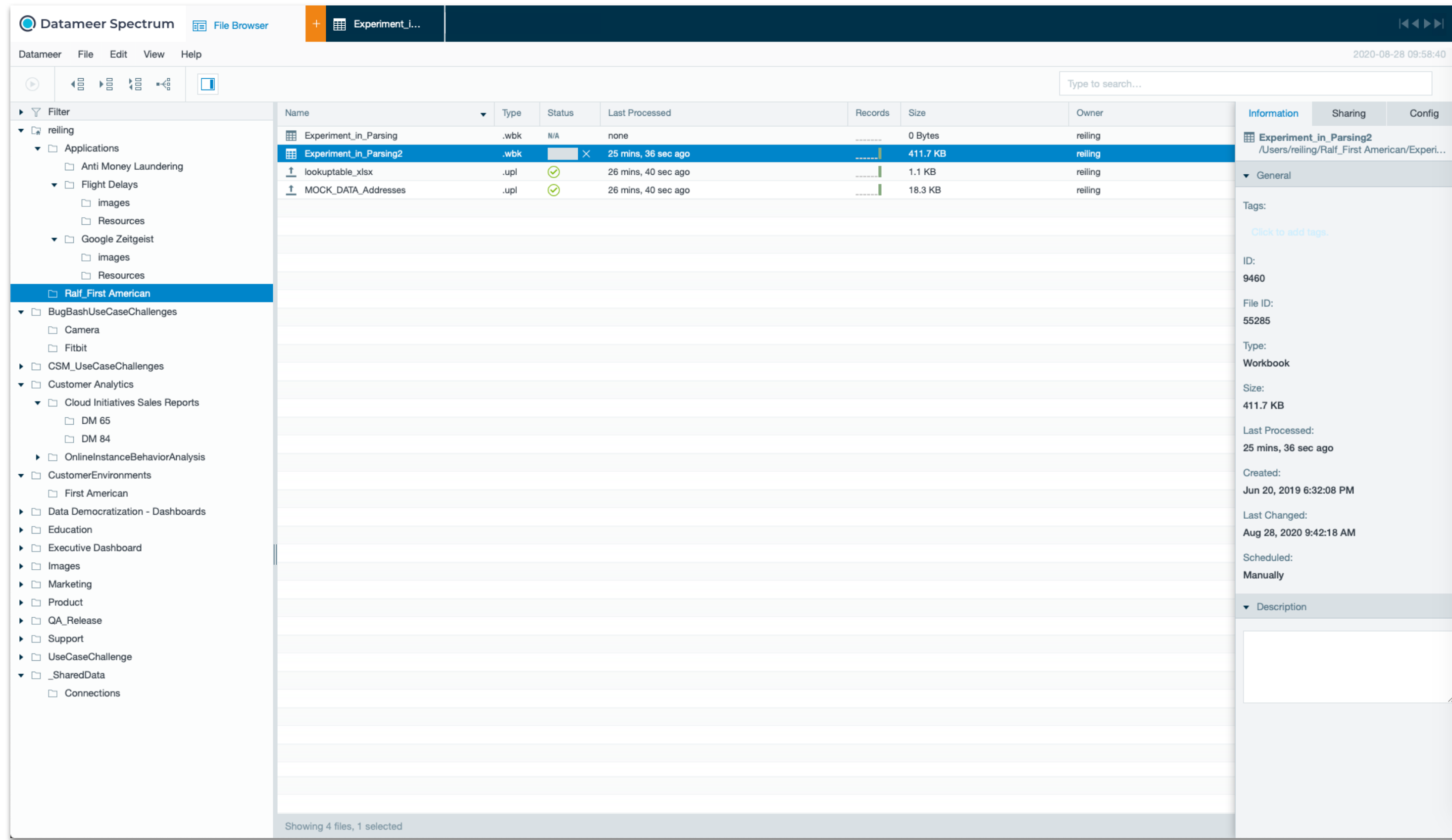
AWS offers access to easy, instantaneously available powerful compute and storage resources. Your big data pipelines need to take advantage of the agility and elasticity this architecture provides to enable rapid response to business needs and offer the most cost effective use of compute and storage resources.

Datameer Spectrum's on-AWS-architecture separates compute and storage resources using S3 for independent data storage and EC2 instances in an EMR cluster for scalable compute resources. Datameer is also containerized for EC2 instances (Amazon Machine Instances: AMIs). This provides a unique architecture that is:

- Agile – Datameer Spectrum instances can be deployed and managed easily from the Amazon Management Console, freeing already taxed IT resources and making the architecture responsive to the business needs.
- Elastic – Compute and storage resources can be automatically scaled up and down to the processing needs of your data pipelines to provide the most cost effective use of resources.

Hybrid Architecture

Datameer enables you to create a seamless hybrid data architecture that spans your cloud-based and on-premises data and resources. This enables the smartest deployment of analytic data pipelines close to where your data resides and eliminates excess movement of data. Span the cloud and on-premise operations with a single platform that provides a seamless data architecture for your organization.



Datameer Spectrum Key Capabilities



CODE-FREE DATA PIPELINES

Easily integrate & transform hybrid data sources with 80+ connectors and point-n-click interface with 300+ powerful functions.



ELASTIC OPERATIONALIZATION

Deploy, manage and execute data pipelines on an elastic cloud-native architecture that auto-optimizes performance and compute costs.



DEEP SECURITY & GOVERNANCE

A deep suite of security and governance features trusted by large enterprises keep both your data and pipelines secure and well-governed.



DATA PREP FOR DATA SCIENCE

Automated functions to shape data and create attributes and features for ML engines make it easy to create AI/ML data pipelines.



CONTROL & AUDITABILITY

Complete data lineage, usage auditing, pipeline controls and integration with external governance tools to ensure regulatory compliance.



VISUAL & ANALYTICAL EXPLORATION

Integrated visual, analytical and algorithmic data exploration at scale to easily understand what datasets work best for your problem.

Leading global organizations such as National Instruments, Comcast, and First American use our secure and scalable enterprise-grade platform to cultivate innovation and efficiency for a truly competitive advantage.



First American Home Warranty

Learn what your enterprise will accomplish at www.datameer.com

Industry-leading Platform

Datameer Spectrum for AWS offers all the industry-leading capabilities you expect - and much more - for agile, scalable creation of analytic data pipelines, in a cloudready offering.

Leading global organizations such as Citibank, RBC, Optum, Aetna, Anthem, National Instruments, and Vivint use our secure and scalable enterprise-grade platform to cultivate innovation and efficiency for a truly competitive advantage.

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