

# Datameer Spectrum Solutions

Simplified, reduced risk cloud migration covering multiple high value use cases.

Datameer Spectrum delivers all the key enterprise-grade capabilities you'd expect to migrate your analytics to the cloud without risk. Spectrum supports four common use cases for cloud migration, in the process preserving your analytics investments, providing a rapid, iterative approach to migrating analytics to the cloud, and complete enterprise-level governance and security that your organization will trust.

## Cloud Bursting

With data volumes consistently growing, analytics workloads can often require more than the limited on-premises compute and storage resources available. Spectrum enables you to seamlessly burst workloads in the cloud, taking advantage elastic cloud resources while maintaining the enterprise level of security and governance of your on-premises environments. With Spectrum you'll get:

- Fast, easy bursting to the cloud to ensure workloads are complete on-time.
- Complete synchronicity of security and governance between on-premises and the cloud.
- Optimized execute to maximize performance while minimize costs.



## Cloud Analytics Modernization

Cloud data warehouses are rapidly expanding to manage many types of data, not just relational, while allowing organizations to benefit from their elastic, lower cost operational models. Spectrum can seamlessly curate and pipeline your raw on-premises data lakes to feed analytics-ready data into any CDW to gain analytic speed and scale, while keeping data secure and governed. With Spectrum you'll get:

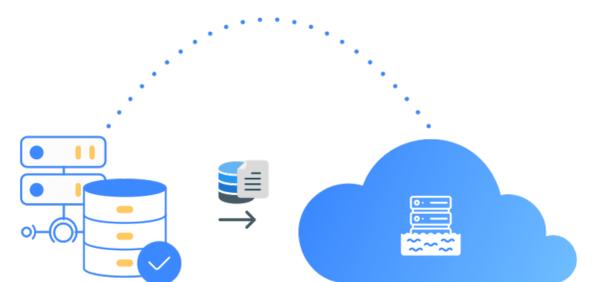
- Faster, easier creation of data pipelines to reduce data engineering time and cost.
- Full security & governance to maintain consistent policies in the hybrid landscape.
- Greater cost efficiencies with efficient best-place processing & push-down.



## Data Lake Modernization

Maintaining and operating on-premises Hadoop data lakes can become costly over time with many organizations looking to reap the benefits of lower cost, elastic cloud-based environments. Spectrum enables you to modernize your data lakes, moving workloads to the cloud with scalable hybrid data pipelines that leverage existing data assets while ensuring the same degree of security and governance you'd expect on-premises. With Spectrum you'll get:

- Agile, iterative migration of data lake workloads to the cloud to reduce project risk.
- Continued leverage and increased return from on-premises data sources.
- A secure, governed platform that spans your hybrid landscape to maintain compliance.



## Data Science Modernization

The majority of organizations are using or moving their data science efforts to the cloud to take advantage of advanced new tools and elastic resources. Yet, your AI and ML is only as good as the data you feed it. Spectrum provides a rich array of capabilities to create and operationalize data pipelines over your hybrid landscape that feed more data to your AI/ML efforts, keep data assets secure and in place, and keep processes governed and auditable. With Spectrum you'll get:

- Rapid AI & ML analytics cycles via faster data exploration and engineering.
- Increased accuracy & usefulness of AI & ML by incorporating more data into the process.
- The ability to meet growing regulatory requirements with full governance & auditability.



## Why Datameer Spectrum?



### AGILE, INTERACTIVE APPROACH

Code-free tools and managed operationalization make it easy to create scalable, secure data pipelines in an agile manner allowing you to migrate iteratively, as needed.



### ENTERPRISE SECURITY & GOVERNANCE

Enterprise-grade security and governance capabilities meet the most demanding needs and enable consistency across your hybrid landscape, on-premises and in the cloud.



### FASTER, EASIER DATA ENGINEERING

Easy-to-use, feature rich data preparation tools allowed you to reduce data delivery times up to 90% and create up to 10 times more analytics-ready datasets with the same staff.



### CLOUD-NATIVE, HYBRID-AWARE

A multi-cloud platform that runs on all three cloud platforms with deep integration with cloud platform services as well as on-premises security, data and analytics assets.

## 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.

### About Datameer

Datameer provides hybrid-cloud analytics data management products that help organizations have successful, lower risk cloud journeys. Datameer Spectrum enables organizations to create secure, governed and scalable data pipelines and DataOps for easier, lower risk migration of analytics workloads to the cloud with reduced data engineering and cloud infrastructure costs. Datameer is a trusted platform at leading enterprises globally, including Citibank, Royal Bank of Canada, British Telecom, Aetna, Optum, National Instruments, Vivint and more. To learn more, please visit [www.datameer.com](http://www.datameer.com).