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Talend cloud delivers trusted data at speed for global financial services companies

Challenges
Integration and data quality challenges hold back financial institutions' cloud strategy

Financial services companies today face an extremely complex data landscape that limits their ability to adopt and gain full value from their cloud strategy. The proliferation of data sources both on-premises and in the cloud, the volume of incoming data coupled with poor data quality create a data management challenge for data professionals who are under increasing pressure to get the right data to the right people at the speed of the business. Ever-changing regulatory and security requirements add a layer of complexity to this demand for accessible and trusted data from the business – as IT departments continue to push workloads to the cloud and leverage the cost-saving, agility, and innovation benefits that AWS offers.

Talend Cloud
Data integration, trusted data, and data governance at scale

Talend Cloud is a unified, comprehensive, and highly scalable integration platform as-a-service (iPaaS) that makes it easy to collect, transform, govern, and share data. Within a single interface, you can use Big Data integration, Data Preparation ,and Data Stewardship applications to provide trusted, governed data across your financial services company. Major banks, stock exchanges, insurance companies, and fintech companies choose Talend Cloud for their data lake and data warehouse projects on AWS because it offers over 1000 connectors and components, built-in data quality, and native support for AWS with 70+ integration components, at a predictable price, even as workloads on AWS change.

Benefits

Enable and accelerate self-service decision-making by providing trusted data at scale on AWS at a predictable price.

Deliver a governed 'single source of the truth'
Integrate all of your data into an single AWS data lake or warehouse – transformed, cleaned, and optimized to enable business intelligence

Enable advanced analytics and machine learning
Generate native Spark code for scalable, high-performance serverless big data processing on Amazon EMR.

Integrate across hybrid environments
ETL or ELT. — Talend's code generation capability means integration and data quality jobs can run anywhere on either side of the firewall.

Control costs as AWS workloads change
Named user licensing and the ability to auto spin up/down AWS services as needed help control data management costs.

Talend on AWS

Leveraging Talend's comprehensive data management capabilities on AWS enables organizations to integrate hundreds of sources into a single data lake, reconcile data, track data lineage, assess data quality, and deliver self-service access to data—all using a single, unified solution. Building a cloud-based data infrastructure on AWS enables you to take advantage of cloud benefits: flexible pricing, elasticity, scalability, no install nor updates, and no hardware to manage. AWS services are designed to meet the needs of customers subject to even the most stringent regulations, including financial services standards such as PCI-DSS and ISO 27018. With Talend and AWS, you can eliminate inconsistent data and enforce business rules. You can correlate data sets, accelerate your ability to innovate, gain 360-degree insights to your customers, and extract more value from your data. Talend is an Advanced Technology Partner and has achieved Data & Analytics Competency.

Features

Elastic big data provisioning & cluster resizing for Amazon redshift and Amazon EMR

Talend's custom-built integration components to AWS enable automatic provisioning and resizing of Amazon Redshift and Amazon EMR clusters. Using native Spark transformations generated by Talend, customers can automatically spin up an Amazon Redshift instance, transform and load data as needed, close the connection and spin down the instance. Similarly, clusters of Amazon Redshift or Amazon EMR can be dynamically resized according to workload needs within the integration workflow. In both cases, the customer is saved from having to pay for unused capacity and uptime.

Embedded data quality

Talend's data quality profiles, cleans, and masks data in any format or size to deliver trusted data for the insights needed to deliver a governed data lake or warehouse on AWS. Talend's set of native connectors for AWS, coupled with its native code generation capabilities enable data quality jobs to be embedded with great flexibility into your data workflow on AWS. As data moves between AWS services, Talend will assess the quality, then use machine learning-enabled de-duplication, validation, and standardization methods to cleanse, then enrich the data with external sources, providing a secure, reliable, and trusted source for the business.

Case Study: **EURONEXT**

Challenge

Euronext, the first pan-European stock exchange in the Eurozone, needed to migrate 100 TB of data to the cloud.. The idea was to create a governed data lake with self-service access for business units and clients in an effort to monetize new services and generate additional revenues.

Solution

Talend ingests real-time data into the data lake, constructed of AWS Managed Services in serverless mode together with Amazon S3 providing access to unlimited storage capacity. Talend Cloud products manage data quality, data lineage, data governance, and regulatory compliance

Results

Managing 10x more data with the same budget

- Migrated 100 TB data to the cloud
- Reduced time to track data from 200 days to a single click
- Enhanced ability to ensure regulatory compliance
- Monetized data as a new revenue stream

Get started with Talend Cloud on AWS

Visit AWS Marketplace or contact here for more information about Talend Cloud

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