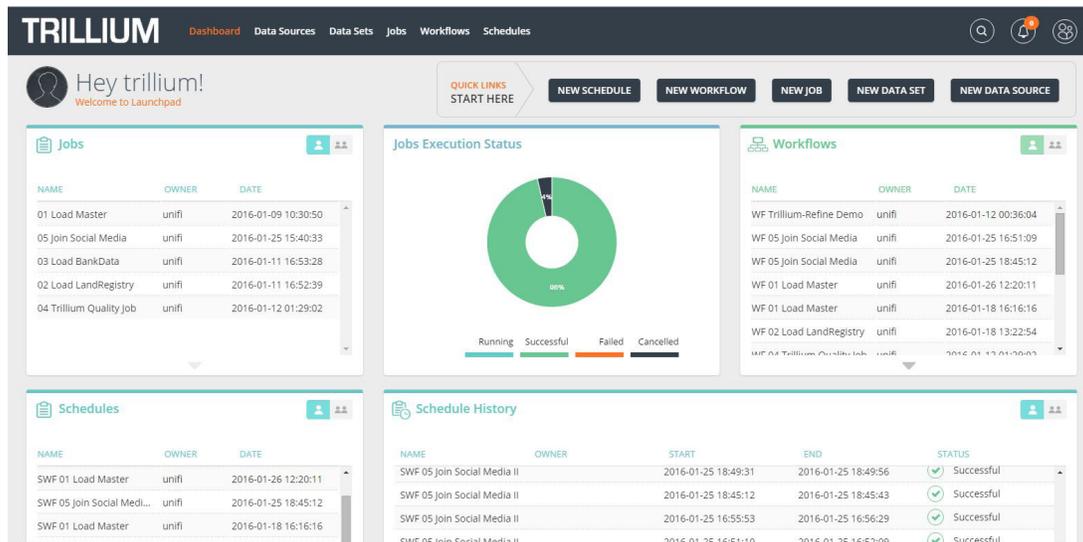


Business professionals are under intense pressure. You must make real-time decisions to keep pace in today's dynamic business and regulatory environment, but cannot efficiently access and analyze accurate information from Big Data. Current processes for data preparation and validation are often manual, ineffective and error-prone, draining valuable resources from your organization while eroding confidence in the findings of Big Data analytics.

## Let Trillium Refine the Process

Trillium Refine™ is an integrated, best-in-class data preparation and data quality solution that will enable you to rapidly optimize Big Data analytics. This industry-first solution with full worldwide support helps you pinpoint previously hidden insights into customer behavior, market opportunities, risk exposure and more by joining together a vast universe of complex data and transforming it into accurate and complete information used to make better business decisions faster than ever before possible. Trillium Refine is powered with UNIFI Software, a provider of data preparation solutions.



*Easily manage data preparation workflows with our intuitive dashboard and rapidly transform Big Data into valuable information*



*More than 38% of data management professionals spend more than 30% of their time validating and fixing data.*

**FORRESTER®**

## Prepare and Improve Big Data Analytics with Unprecedented Speed and Accuracy

Trillium Refine provides all the self-service capabilities business users need to rapidly access, prepare, improve, link, and enrich high-volume, disparate data. The solution's open architecture automatically moves refined data to analytics and visualization platforms, eliminating the need for manual data exports. Available on-premise or in the cloud, Trillium Refine provides:

- ✓ **Universal Data Connectivity:** gain native access to any data type and data source, including RDBMS, Hadoop data stores and NoSQL, file formats, web logs and apps, cloud sources, social media data, and more
- ✓ **Recommendation Engine:** uncover unique data relationships and correlate data sets once difficult to access or analyze, with innovative technology that makes recommendations and learns over time
- ✓ **Global Data Quality and Matching:** parse, standardize, match, and enrich worldwide data to ensure completeness, create single entity views, validate location data, and seamlessly add reference data
- ✓ **Native Hadoop Processing:** accelerate data integration and refinement without any programming or coding required by utilizing Big Data processing frameworks, including Hadoop and Spark
- ✓ **Intuitive Interface:** easily profile, prepare, and integrate data sets with the help of pre-built workflows and powerful search features

The screenshot displays the Trillium Software interface for configuring a workflow named 'SWF Trillium'. The interface includes a navigation bar with 'Dashboard', 'Data Sources', 'Data Sets', 'Jobs', 'Workflows', and 'Schedules'. The main content area is divided into two sections: 'SELECT WORKFLOW' and 'JOBS & DATASETS'. The 'SELECT WORKFLOW' section shows a search bar and a list of workflows, with 'WF Trillium' selected. The 'JOBS & DATASETS' section shows a list of jobs and their configurations. The jobs are:

Job ID	Job Name	Engine	Output
01	Load Master	HIVE	trillium.unifi_combined_tab
02	Load LandRegistry	HIVE	trillium.unifi_combined_tab
03	Load BankData	HIVE	trillium.unifi_combined_tab
04	Trillium Quality Job		click edit to configure the job output
05	Join Social Media	HIVE	trillium.single_customer_social

The 'JOBS & DATASETS' section also shows the source data for each job, such as 'master' (Trillium DB), 'LandRegistry.JSON' (Trillium HDFS), 'BankData' (Trillium HDFS), 'single\_customer\_view\_new' (Trillium HDFS), and 'twitter\_data' (Trillium HDFS). The output paths are also visible, such as '/data/LandRegistry.json', '/data/BankData.txt', and '/data/single\_customer\_view\_output/part-r-00000'.

Accurately link and analyze information from a universe of internal and external sources to gain new insights

## About Trillium Software

Trillium Software, a Harte Hanks Company, is a leading, global enterprise data quality solutions provider. We enable business and IT leaders to anticipate opportunities, uncover hidden risks and make better decisions by rapidly providing them with complete, accurate and trusted data in everything they do. Trillium's full complement of technologies and services includes global data profiling, data cleansing, enrichment, and data linking for e-business, Big Data, customer relationship management, data governance, enterprise resource planning, supply chain management, data warehouse, and other enterprise applications.

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