

Teradata and Attunity: Cohesive Data Ingest Across the UDA



PARTNERS

Managing Change Data Capture in your Ecosystem

The world of business analytics has evolved once again, with companies using multiple data technologies across their environment. The more sources and targets in the environment, the bigger the data ingest challenge.

Data ingest supports two main categories: **Streaming** inserts and **Change Data Capture (CDC)**. Streaming refers to going from source to target without regard to historical context (e.g., capturing web logs). With change data capture, logs or software design patterns are used to determine, and track or capture, the data that has changed in a database so that action can be taken with full understanding of the changed data. Companies use many different tools to capture and manage the CDC, as well as ingest the data into the various platforms where that data will be stored.

To meet this growing need and the associated challenges, Teradata and Attunity have partnered to certify and refine the Attunity Replicate software within Teradata's Unified Data Architecture™ (UDA) ecosystem. This combination brings you an agile, optimized, and integrated solution. Working together, Attunity and Teradata provide a robust solution for ingesting data, including real-time change data capture, and powerful analysis which drives value and provides rapid ROI.

Orchestrating Data Management: The Teradata Unified Data Architecture

As Gartner Group has noted, the age of the Logical Data Warehouse is here. Teradata created the Unified Data Architecture to span the various data and analytic environments and processes within that ecosystem. One important focus of the UDA is to orchestrate common framework and infrastructure services across the data warehouse and open source technologies. This includes the infrastructure to support robust data ingestion.

With the broad range of data customers need to ingest for analytics, Attunity and Teradata provide the right tools: Attunity Replicate for ingesting CDC data from structured data sources and Teradata Listener for inserting streams. Together, they provide customers with the means to make the right data available in the right place, at the right time.

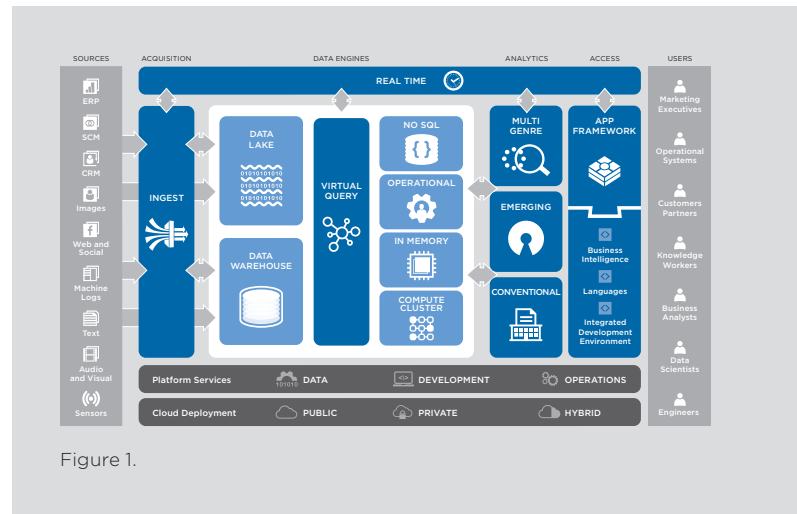


Figure 1.

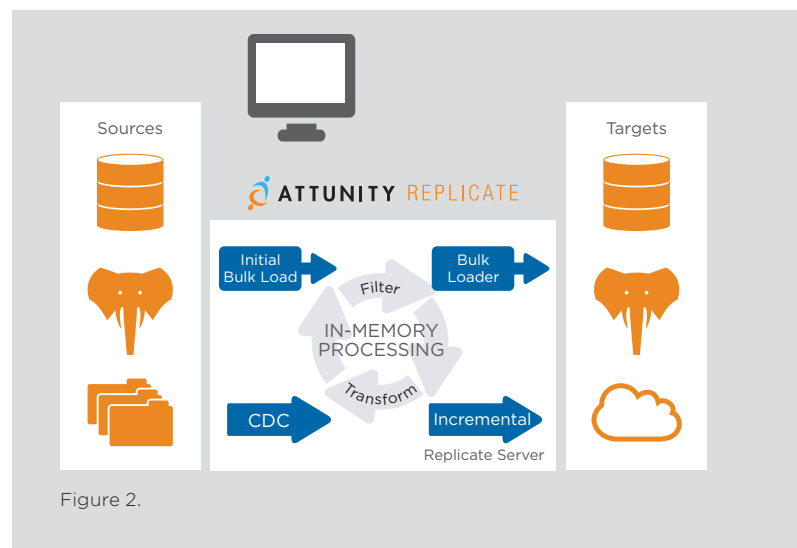


Figure 2.

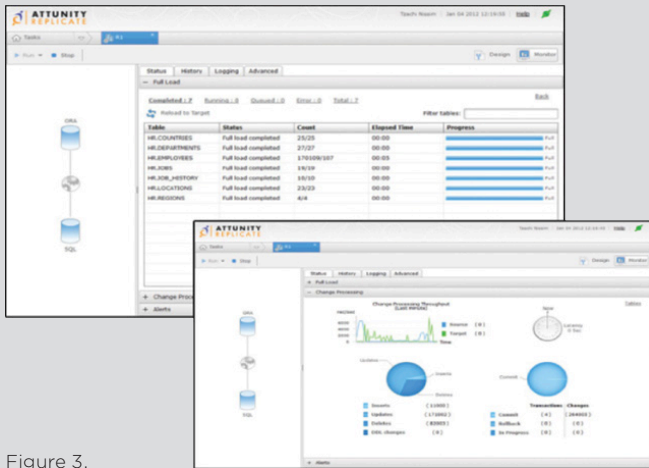


Figure 3.

Attunity Replicate Software: Agile and Optimized Data Ingest for the Teradata UDA

Attunity Replicate is data integration software that accelerates and optimizes the process of ingesting data, in batch and real time, into a broad range of analytic platforms and across the Teradata UDA.

Efficiency with CDC

Attunity Replicate is an industry-leading change data capture solution, optimized to identify and ingest only the changes made to enterprise data sources. With a unique agent-less and log-based technology, it minimizes impact on source data systems, while allowing efficiencies and low latency in ingesting the changed data for analytics.

Agility with Automation

Attunity Replicate was designed with a modern approach and technology to dramatically simplify the process of implementing data ingest processes. This approach brings together pre-automated data flow capabilities, which address complex requirements in an optimized manner, along with an intuitive graphical user interface, which allows users to quickly and easily configure data ingest solutions.

Performance Optimized for Teradata UDA

Attunity Replicate is specifically optimized for ingesting data across the Teradata UDA, including the Teradata Database, Teradata Aster® Analytics, and Hadoop. It

provides unique algorithms for delivering changes into these environments and leverages tools created by Teradata, such as Teradata Parallel Transporter (TPT), to optimize data loading. This combination brings higher levels of throughput, lower latency, and lower impact.

Teradata and Attunity Working Together

The Teradata UDA combined with Attunity Replicate empower organizations with timely ingest into the data lake, the data warehouse, and the cloud, resulting in faster access that allows deeper and richer analytics for business insights. Teradata customers can be assured that their data ingestion processes are optimized for cost and performance and that they have the right data in the right place at the right time. Working together, Teradata and Attunity provide a seamless environment for organizations that want to get the most from all of their data.

For More Information

Contact your Attunity or Teradata representative, or visit **Teradata.com** or **Attunity.com**.

About Teradata

Teradata helps companies get more value from data than any other company. Our big data analytic solutions, integrated marketing applications, and team of experts can help your company gain a sustainable competitive advantage with data. Teradata helps organizations leverage all their data so they can know more about their customers and business and do more of what's really important. Visit **Teradata.com**.

About Attunity



Attunity is a leading provider of Big Data management software

solutions that enable access, management, sharing, and distribution of data, including Big Data, across heterogeneous enterprise platforms, organizations, and the cloud. Our software solutions include data replication, data flow management, test data management, change data capture (CDC), data connectivity, enterprise file replication (EFR), managed file transfer (MFT), data warehouse automation, data usage analytics, and cloud data delivery. More detail can be found at **Attunity.com**.

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