



Attunity Replicate: Move Beyond Apache Sqoop



Apache Sqoop is an open source project that loads bulk data from relational databases into Hadoop. While Apache Sqoop can be convenient to acquire and use, it imposes significant time, performance and cost challenges on many big data initiatives. Attunity Replicate addresses these shortcomings and helps you quickly and easily ingest massive volumes of data from enterprise sources into Hadoop in real time.

The following table summarizes how Attunity Replicate measures up to Apache Sqoop:

FEATURE	ATTUNITY REPLICATE	APACHE SQOOP	COMMENT
User Interface		Hand Coding	Replicate can easily and quickly define ingestion tasks with an intuitive graphical user interface.
Change Data Capture		Batch. No Delete.	Replicate uses native transaction logs to identify data changes for inserts, updates and deletes.
Target Modification		Highly Intrusive	Replicate does not require application changes or additional software on the Hadoop cluster.
No Operational Overhead		Performance Penalty	Replicate does not impact Hadoop system performance.
Schema Detection		No Capability	Replicate automatically detects schema changes and propagates differences to Hadoop targets.
Low Latency		Enforces Query Intervals	Unlike Sqoop, Replicate does not wait for specified intervals before data synchronization.
High Performance Data Transfer		Slow	Replicate's multi-server, multi-threaded architecture is optimized for high volume data updates.
Universal Connectivity		Files or RDBMS only	Replicate's universal connectivity can continuously populate Hadoop with data from virtually any source, including mainframes, SAP, data warehouses and relational databases.



NO CODING. SIMPLE GUI.

FAST DATA TRANSFER

AUTOMATED REPLICATION

UNIVERSAL CONNECTIVITY

AGENTLESS CONFIGURATION

Table Name	INSERT	UPDATE	DELETE	DDL	Total Applied	Data Errors	Last Modified
HR.EMPLOYEES	1,000	41,999	0	0	42,999	0	9:05 AM



Attunity Replicate is a simple, universal and real-time data ingestion solution for all major Hadoop and data lake platforms.



Using Attunity Replicate you gain global visibility and centralized control of data replication across distributed, hybrid environments.



Attunity Replicate's agentless configuration let's systems administrators and data architects easily set up, control, and monitor bulk data loads and real-time updates with enterprise-class change data capture (CDC).



Attunity Replicate supports all major data sources including relational databases, mainframes, SAP, Hortonworks, Cloudera, MapR, and cloud infrastructures such as Amazon Web Services, Microsoft Azure and the Google Cloud Platform.



Attunity Replicate moves data at high speed from source to target, all managed through a simple graphical interface that completely automates end-to-end replication.



With Attunity Replicate, you can deliver more data to the business, while reducing effort and cost, ensuring that your big data initiatives are successful.

TRY ATTUNITY REPLICATE TODAY!

Register and download a free trial version of the award-winning Attunity Replicate software. Visit www.attunity.com/ReplicateExpress for more details.