BigArch™
Data Archival: Improve Data Compliance and Optimize Costs

Automation and growing IT penetration in every industry is generating massive amounts of data, which leads to increased cost of managing and storing data. This has forced Data Architects and System Designers to adopt better archival solutions, enhancing efficiency and cost optimization.
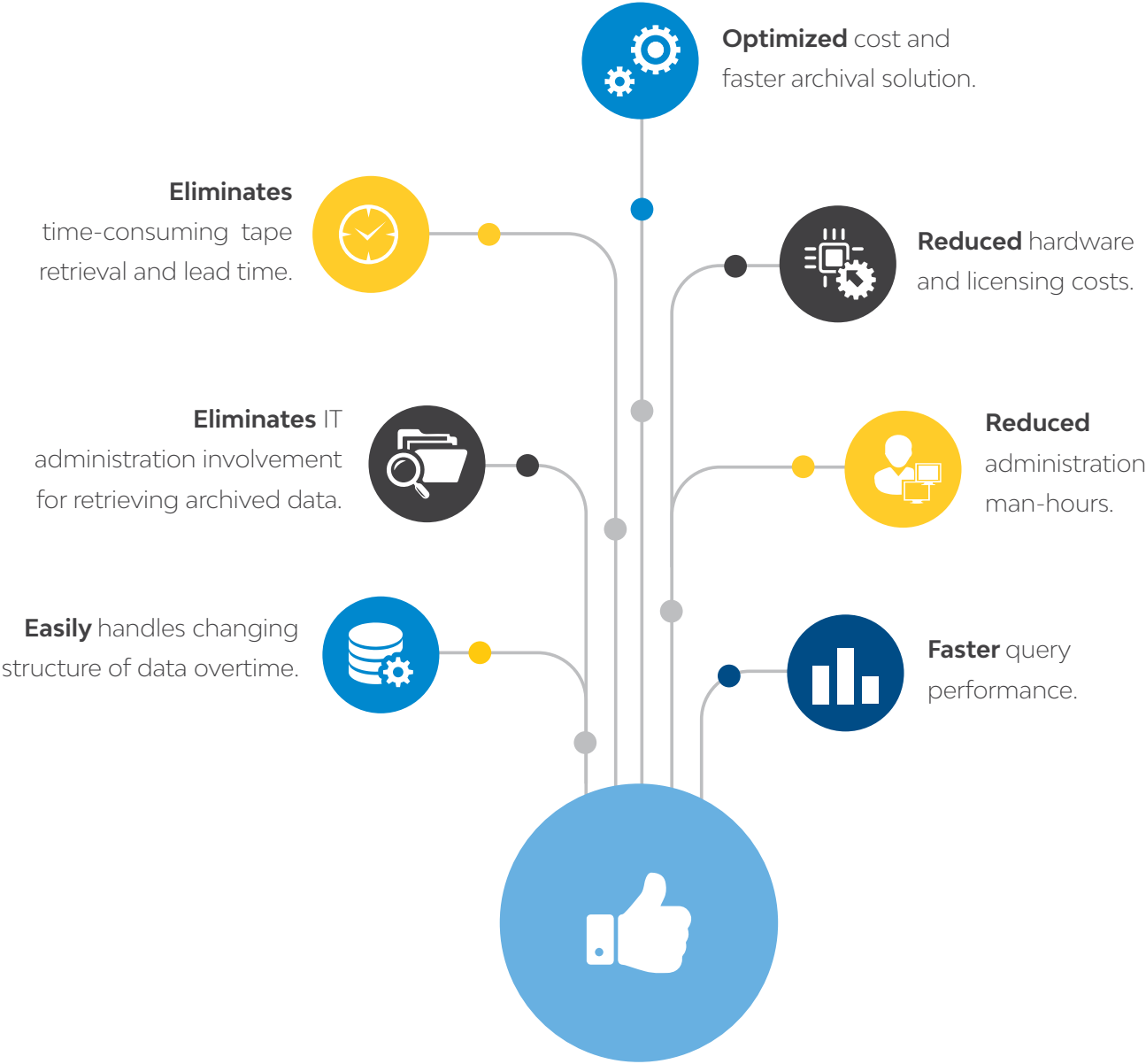
Data Archival, the Modern Way

BigArch™ is Hadoop-based archival solution developed by LTIMindtree. This solution allows data to be moved from a high-end storage system to a low-cost system, for optimum level retrieval without any licensing cost. BigArch™ ensures faster retrieval from the archival store through a query mechanism. This solution is addressed by an archival wizard when configured once, and can be run automatically at any time. Any structural changes in the data can be detected and changed in the archival system. LTIMindtree has an extensive experience supporting the implementation of massive data storage solutions.
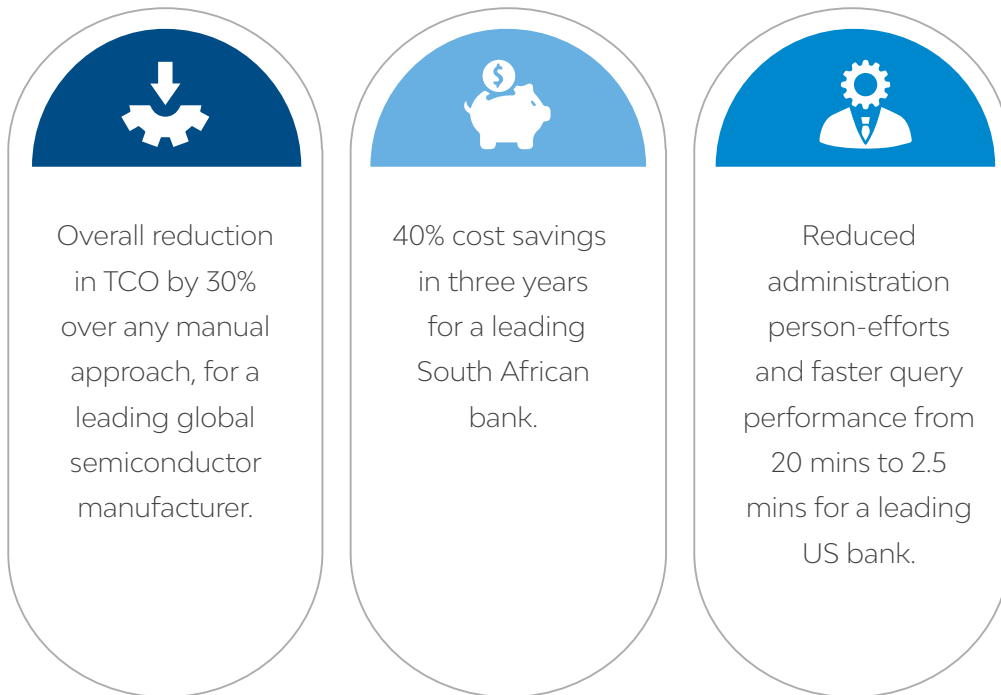
Key Features

- **Schema Evolution:** Archival process supports evolving schema and easily updates new schema

- **Configurable and Wizard-based:** Supports different source database systems like SQL server, MySQL, Oracle, Teradata, and CSV files also. User can also choose from different Hadoop distributions like Cloudera, Mapr, Hortonworks, Amazon EMR, and Microsoft HDInsight

- **Archival Policy Management:** Helps to create archival rules to archive subset of data from the entire table

- **Data Purging Management:** Helps user automate data purging activity from the archival store after compliance period is over

- **Data Retention and Restoration Management:** Creates and modifies data retention rules. Also, has trace-back functionality to retrieve, search, and query archived data

- **Record Reconciliation:** Data quality is checked once data is archived using record reconciliation feature. If reconciliation status fails, then data will be deleted from the archival store for that load

- **Legal Hold Management:** User can hold any record from purging if any litigation is going on for that particular record

- **Version Management:** User can retrieve data from a specific version and track version change

Business Benefits

Optimized cost and faster archival solution.

Eliminates time-consuming tape retrieval and lead time.

Reduced hardware and licensing costs.

Eliminates IT administration involvement for retrieving archived data.

Reduced administration man-hours.

Easily handles changing structure of data overtime.

Faster query performance.

Client Benefits

Overall reduction in TCO by 30% over any manual approach, for a leading global semiconductor manufacturer.

40% cost savings in three years for a leading South African bank.

Reduced administration person-efforts and faster query performance from 20 mins to 2.5 mins for a leading US bank.