

tcVISION

Data Synchronization :: Data Replication :: Data Migration :: Data Distribution

The **right data** in the **right place** at the **right time**

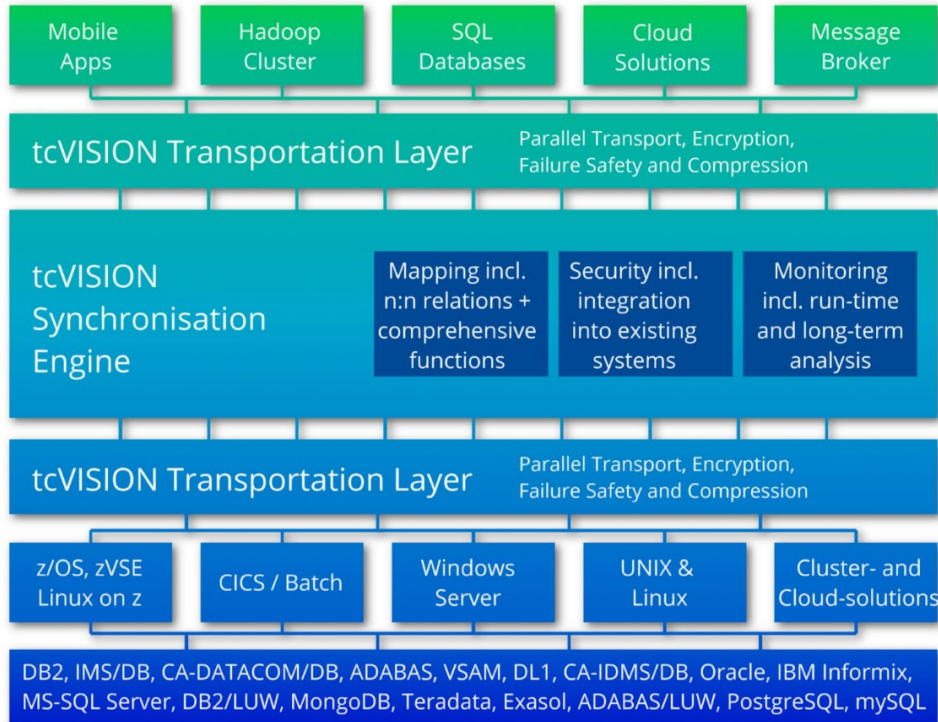
tcVISION is a cross-platform solution for real-time, bi-directional data synchronization and replication with single-step data exchange. It provides a complete data integration solution which is timely, fast, efficient and secure, giving you the same data everywhere.

Real time data synchronization across all your platforms	Data exchange is a single step operation	A complete data integration solution
<ul style="list-style-type: none"> •timely bi-directional data synchronization and replication based on changed data •supports almost all data types and structures •data synchronized from any source to any target •supports unidirectional or bi-directional data transfers in real-time, time-controlled, or event-based 	<ul style="list-style-type: none"> •controlled data exchange •no middleware or message queueing •data is exchanged in raw format, compressed and reduced to the processing of changed data •no programming effort required with intuitive dashboard for administration, monitoring and control •multiple change data capture technologies depending on change frequencies and latency times 	<ul style="list-style-type: none"> •Coexistence - synchronization of data in a heterogeneous system environment consisting of a mainframe and distributed systems •Migration - gradual migration of data and applications •Modernisation - transfer of mainframe data to distributed systems of Hadoop Data Lakes •Analytics and Big Data - ETL of mainframe data for Data Warehousing, Business Intelligence

<p>Cost reduction</p>	<ul style="list-style-type: none"> • Relocation of data exchange processes from the mainframe to more cost-effective platforms eg Linux, UNIX, Windows or the cloud • Prevention of mainframe costs: backup and image copies to relieve the production mainframe databases • A more efficient transport layer means no additional middleware is required, eliminating implementation effort • Changed Data Capture means minimum data transfer volume • Automatic collision detection and loopback prevention for bi-directional replication prevents undesired backflow of data to the source of the change
<p>Data Integrity</p>	<ul style="list-style-type: none"> • Practice-proven processes to restart replication in the event of system failures such as database errors, transmission errors • Master Data Management to ensure data consistency • Referential integrity through transaction-bound data transfer
<p>Flexibility and Actuality</p>	<ul style="list-style-type: none"> • High integration potential based on Multiple Change Data Capture technologies, depending on change frequencies and latency times • Intuitive data mapping offers comprehensive functions for data type conversion and data transformation up to complete change of data model • Comprehensive conversion of historically developed mainframe data structures • Highest actuality through continuous real-time processing • Automatic or user-controlled data preparation/transformation (ASCII – EBCDIC for the target (conversion, reformatting, interpretation etc) • Support of relational and non-relational databases

User Friendly

- Comprehensive monitoring and logging of all data movements for transparency and audit ability across all data exchange processes
- Integrated database specific “Apply” function to merge the data into the target system, eg, direct Insert, Update, Delete, or via JSON or DBMS loader
- Integrated data repository with history management to maintain all data structures and data exchange rules
- Key management for non-indexed data
- Integrated pooling/streaming processes avoid programming effort and message queueing to prevent data loss because of unavailability of the target system or delays



CCA Software Pty Ltd

Innovation :: Solution :: Support

CCA is a leading ISV specialising in data integration solutions. CCA delivers innovative solutions with our partners to customers all around the world. Our technologies support IBM mainframe and the LUW platforms with solutions for Big Data, Data Analytics, real-time bi-directional data integration, legacy modernisation and data migration.

CCA Software Pty Ltd

PO Box 2016

Forest Hill, Victoria, 3131, Australia

+61 3 9894 0055

www.ccasoftware.com sales@ccasoftware.com



B.O.S. Software Service und Vertrieb

GmbH Beyond Traditional Data Integration

BOS Software is the developer of the tcVISION data integration solution and has been an innovative software provider for more than 25 years. BOS is among the worldwide leading vendors of integration solutions in heterogeneous system environments with IBM mainframe architectures.

In the UK

Ian Johnstone

Unit 34084, PO Box 6945, London, W1A 6US, UK

07904 193 844

ian.johnstone@ccasoftware.com