

Upgrade to IBM InfoSphere Change Data Capture now

Important News! You're about to get the same great products and services you're accustomed to under a new product name. Transformation Server[®] and Transformation Server/ES[™] names are changing to IBM[®] InfoSphere[™] Change Data Capture. This name change is occurring as we combine native log-based Change Data Capture technology with IBM Information Server. Customers will have the flexibility to address a broader set of requirements, helping them to gain a competitive business advantage through real-time data integration. We enable our customers to make better business decisions, run smoother operations, win new customers and partners and boost revenue opportunities.

Upgrading IBM InfoSphere Change Data Capture will allow customers to reap the benefits of the enhancements in our newest version.

Following on the improvements of IBM InfoSphere Change Data Capture 4.x and 5.x, 6.x enhancements include architecture and user interface changes to build a foundation that provide our users with unprecedented performance, usability, and enhanced platform features. Major enhancements include:

Communication and architecture changes

The communication layer of IBM InfoSphere Change Data Capture was re-designed to enable users to manage separate control and communications processes, thereby increasing performance. A "Heartbeat" process was introduced so that communications issues could be detected easily and quickly.

Enhanced bi-directional capabilities

Important new features such as Conflict Detection and Resolution were developed to ensure data is consistent during real-time, bi-directional data integration. Users can configure the product to automatically resolve conflicts according to business rules or to call a User Exit to correct any conflicts that may arise.

Complex Updates were introduced to increase the flexibility of the product by streamlining how data is replicated into a target table. New update options included: Summarization, Row Consolidation, and Adaptive Apply. Summarization is used to simplify accounting, statistical, and other business operations that require intensive mathematic data. Row Consolidation enables users to merge different information in their systems into a single row, using 'many-to-one' subscription tables. Adaptive Apply enhanced TS 5.x by enabling corresponding rows of data in tables to be the same.

Organizations can now benefit from dynamic warehousing through integration with IBM WebSphere® DataStage™. By capturing data changes from heterogeneous production systems in real time and delivering them to DataStage, businesses can leverage real-time data in their data warehouses for information-on-demand initiatives such as operational BI and deep analytics. Data changes can be delivered through a direct connection to DataStage through TCP/IP, or through flat files, offering customers the flexibility to use the option best suited to their IT infrastructure and business requirements.

The newly **enhanced Graphical User Interface** (called the **Management Console**) makes all integration tasks easier to learn and perform. Processes are simplified, resulting in a possible reduction in training and ownership costs.

Additionally, **Multiple Monitoring enhancements** provide a high-level system overview of data flow, making understanding where the data is moving in your system simple.

Wizards have been included in IBM InfoSphere Change Data Capture for step-by-step guidance for common tasks. The Wizard minimizes the number of errors users make and lessens implementation time greatly.

Online Help is Context Sensitive, so information that is relevant to your current task is presented in the console. This immediate presentation of relevant help information provides help to users learning how to understand how a feature works or can be used.

Transforming data is always a requirement when integrating data. For this reason we have included **Drag and Drop Transformations**.

This greatly reduces or eliminates the need to write custom code that will need to be maintained and debugged. ROI is increased because users can concentrate on their core job rather than writing code to transform data to meet business requirements.

Table and columns are now automatically mapped between source and target systems. This helps the time it takes to configure subscriptions, and helps decrease the total cost of ownership. It also reduces the chance of human error and enables the company to track and meet business requirements more quickly.

Other Usability Enhancements

- *Simplified forms eliminate unnecessary steps and add ease of use.*
- *New Graphical Monitor allows users to visualize complex networks through network diagrams, so that they can evaluate the network, troubleshoot issues, and fine-tune performance.*
- *Latency Alerts are also now available, alerting Administrators when they are operating over a defined latency threshold (between source and target data).*
- *User Security was also enhanced so that each user can be assigned one role that defines which operations can be performed.*

Performance

Enhancements made to InfoSphere Change Data Capture for MicroSoft SQL Server™ and Oracle further reduces overhead and impact on system resources. Fewer resources on the source are now required to integrating data from SQL Server environments. For Oracle environments customers can use remote log-reading capabilities. This benefits our Oracle customers by eliminating any need to increase CPU or memory on source systems when replicating data. Your organizations business requirements will still be met, regardless of system growth. With greatly increased throughput, the solution will be there to support new company growth and deliver “fresh” data in real time.

Platform Enhancements – Oracle

- *Support for Oracle 10g and RAC*
- *Support for multiple instances of TS on one Windows® Server host*
- *Support for Oracle Redo Logs (available for Unix® and Linux®), reducing overhead on the database*

Platform Enhancements – SQL Server

- *Support for MS Windows 2003, Microsoft SQL Server 2005*
- *Windows Authentication (5.3)*
- *Increased Schema, Table, and Column aliases Length*
- *Alert Handler*

Platform Enhancements – System i™

- *Support for IBM i5/OS® V5R3*
- *New updated commands and character value specification*

Delivering information you can trust



For more information

For more information about IBM Information Server, contact your IBM marketing representative or visit

ibm.com/software/data/integration

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Somers, NY 10589

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