

IBM InfoSphere Change Data Capture for Oracle Replication

Highlights

- ***Mirrors Oracle transactions from a primary system to one or more secondary systems***
- ***Detects primary system failure and invokes high-speed operational switching for uninterrupted data access***
- ***Distributes and consolidates data between Oracle databases over geographically dispersed systems***

In today's competitive business environment, timing is everything. Organizations need real-time access to their data so they can react quickly and make better business decisions. Data has to be available 24/7 despite planned system outages or unplanned downtime. Organizations need to be able to consolidate information from diverse business applications and systems for centralized reporting and business intelligence. They need fast access to data, even if it's stored within different regions, departments or business units. And they want to do it all without impacting the responsiveness of their mission-critical business applications.

IBM® InfoSphere™ Change Data Capture for Oracle Replication is a high-performance, bi-directional replication solution for Oracle environments that is designed to virtually eliminate downtime within Oracle database environments, while also providing efficient distributed data processing and workload balancing.

Powerful Oracle data replication

With a leading data distribution, data integration and disaster recovery solution for Oracle environments, today's organizations are working smoothly and more efficiently and making better business decisions in the process. They're using IBM InfoSphere Change Data Capture for Oracle Replication to:

- *Gain a unified view of the enterprise and streamline business processes by distributing and consolidating data between different Oracle-based applications*
- *Provide uninterrupted access to mission-critical supply chain information by conducting high-speed operational switching during planned or unplanned downtime to eliminate downtime within Oracle database*
- *Streamline business processes and improve system performance by distributing processing loads across multiple Oracle systems*

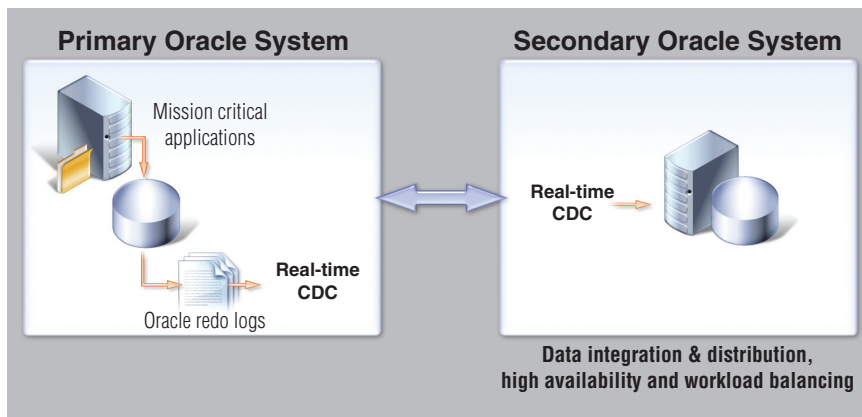


Figure 1: Architectural overview of IBM InfoSphere Change Data Capture for Oracle Replication

One or more versions of oracle in your environment?

IBM InfoSphere Change Data Capture for Oracle Replication can mirror data between different versions of Oracle, allowing you to upgrade one of your systems while you continue to operate off of a secondary system.

Compelling advantages

- *Low impact – Using IBM’s InfoSphere Change Data Capture for Oracle Replication’s unique log-based, change data capture (CDC) technology, IBM InfoSphere Change Data Capture for Oracle Replication conserves database resources by reading Oracle-based redo log files. The solution reduces network traffic by transmitting only changed transaction data. Users get uninterrupted response time for mission-critical systems.*

- *Easy to use – Unlike other replication solutions that are only command-line driven, IBM InfoSphere Change Data Capture for Oracle Replication has a built-in Java-based, feature-rich graphical user interface that makes it simple to administer mirroring, switching, and monitoring processes for continuous synchronized data protection. Built-in graphical diagnostic aids actively track operations, eliminating expensive DBA resources or the expense of custom scripting logic. There’s little training necessary, lowering total cost of ownership.*
- *Real-time – IBM InfoSphere Change Data Capture for Oracle Replication captures database transactions in the same order as they appear in the Oracle redo log, ensuring real-time copies of all critical data. All information is up-to-date and in sync.*

- *Increased scalability – By continuously moving only changed data, iReflect can scale to accommodate large data volumes. IBM InfoSphere Change Data Capture for Oracle Replication doesn’t slow down your mission-critical systems regardless of processing loads.*
- *Rapid implementation – Setting up IBM InfoSphere Change Data Capture for Oracle Replication is easy with intuitive graphical screens guiding the way. The intuitive GUI allows users to map selected data to target systems without scripting or coding. In addition, no new hardware is necessary, and no changes are necessary to existing applications and data schemas. This shortens time-to-production and facilitates rapid implementation.*

Case studies

A telecommunications company wants to gain a single, up-to-date view of order and billing information so it can make better decisions and improve customer service. IBM InfoSphere Change Data Capture for Oracle Replication consolidates customer-related data in real-time and then distributes it throughout the company's multiple regions, departments and business units, enabling customers to check order status quickly and easily and enabling employees to conduct more informed reporting and analytics.

A manufacturer operates 24/7 and requires continuous access to mission-critical supply chain information including inventory, order status, shipping, production and financial data so it can keep producing products on time and on budget. IBM InfoSphere Change Data Capture for Oracle Replication ensures continuous availability of the company's critical Oracle-based online application, enabling them to provide reliable service to customers, suppliers and

employees while avoiding costly and unnecessary downtime.

An e-service provider must ensure that its online land registry is available 24/7 so that lawyers, surveyors and financial institutions can access land titles without having to visit the land registry office in person. When conducting tape backups on the primary system, IBM InfoSphere Change Data Capture for Oracle Replication mirrors all database transactions in real-time to a secondary system to ensure land registry information is always accurate, up-to-date and accessible.



For more information

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