

SAP Sybase Replication Server

## Real-Time Loading Edition of SAP® Sybase® Replication Server®

Deliver Real-Time Data from Source Databases to  
SAP Sybase IQ for High-Performance Analytics

SAP® Sybase® IQ server is a smart way to deliver high-performance analytics without abandoning your investments in technology and knowledge resources. Experience the kinds of results that over 1,800 customers of SAP Sybase IQ are experiencing every day – a **100-fold increase in query speed**, even on terabytes of data delivered to thousands of users at exactly the right time.\* The real-time loading edition of SAP Sybase Replication Server® supports high-performance loading from SAP Sybase Adaptive Server® Enterprise (SAP Sybase ASE) and Oracle databases to SAP Sybase IQ – enabling the delivery of real-time information.

### BUSINESS INTELLIGENCE WITH OPERATIONAL DATA

Performing business intelligence against transactional or operational data as it changes is becoming the key in determining the winners and losers in today's marketplace. With the real-time loading edition of SAP Sybase Replication Server, you can leverage the most current transactional data to identify tactical trends and strategic shifts in events within minutes of their occurrence – leading to smarter and timelier decisions.

#### FOOTNOTE

\* Based on authorized customer benchmarks and laboratory tests.



The Best-Run Businesses Run SAP™

# Achieve High Performance and Low Latency with Real-Time Loading

## PRODUCT OVERVIEW

With SAP Sybase IQ, your business intelligence environment may be up and running, but how often does it get updated with new data? Are your users screaming for more recent operational data for their reports, analytics, and dashboards?

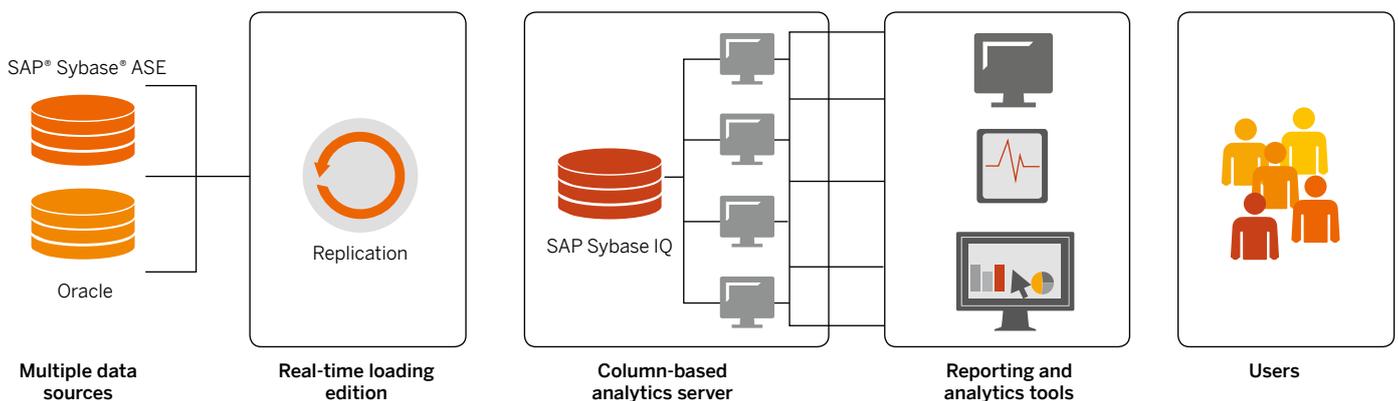
The real-time loading edition of SAP Sybase Replication Server supports high-performance loading from SAP Sybase ASE and Oracle source databases to your SAP Sybase IQ server for analysis (see figure). It moves you beyond nightly batch loads to continuous loads throughout the day – delivering source system changes to your SAP Sybase IQ server within minutes of the transaction being recorded on the source system. The solution combines our proven replication technology with specialized analytics expertise to deliver faster time to value.

The real-time loading edition enables compilation and bulk apply processes that reduce data and improve performance.

Compilation rearranges replicate data by clustering it by each table, as well as by each insert, update, and delete operation. It then compiles the operations into net-row operations. Instead of sending every logged operation, compilation removes all intermediate operations and sends only the final states of a replicated transaction. Depending on the application, this generally means a much smaller amount of data is processed.

Bulk apply uses the net result of the compilation operations in bulk, utilizing the most efficient bulk interface for the net result. SAP Sybase Replication Server uses an in-memory net-change database to store the net-row changes that it applies to the replicate database.

Figure: Real-Time Loading Edition of SAP Sybase Replication Server®





As SAP Sybase Replication Server compiles and combines a larger number of transactions into a group, bulk processing improves – as do replication throughput and performance. You control the amount of data that is grouped together for bulk apply by adjusting group sizes.

When replicating data into Sybase IQ and the replicate databases have identical database schema, SAP Sybase Replication Server achieves better performance compared to the continuous replication mode (in which each replication operation is sent to the replicate database on a row-by-row basis). And because the real-time loading edition uses compiling processes, it also results in data reduction.

## LEARN MORE

For more information, visit [www.sap.com/solutions/technology/enterprise-information-management/data-replication-software/index.epx](http://www.sap.com/solutions/technology/enterprise-information-management/data-replication-software/index.epx).



Experience the kinds of results that over 1,800 customers of SAP Sybase IQ are experiencing every day – a **100-fold increase in query speed**, even on terabytes of data delivered to thousands of users at exactly the right time.\*

[www.sap.com/contactsap](http://www.sap.com/contactsap)

**CMP22167 (12/10)** ©2012 SAP AG. All rights reserved.

SAP, R/3, SAP NetWeaver, Duet, PartnerEdge, ByDesign, SAP BusinessObjects Explorer, StreamWork, SAP HANA, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and other countries.

Business Objects and the Business Objects logo, BusinessObjects, Crystal Reports, Crystal Decisions, Web Intelligence, Xcelsius, and other Business Objects products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Business Objects Software Ltd. Business Objects is an SAP company.

Sybase and Adaptive Server, iAnywhere, Sybase 365, SQL Anywhere, and other Sybase products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Sybase Inc. Sybase is an SAP company.

Crossgate, m@gic EDDY, B2B 360°, and B2B 360° Services are registered trademarks of Crossgate AG in Germany and other countries. Crossgate is an SAP company.

All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.



The Best-Run Businesses Run SAP™