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better performance

DBPLUS.TECH

Data Replicator

for Oracle, Microsoft SQL Server and PostgreSQL

Reliable data replication in real time without additional load on the source database

Case studies

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Sharing data between different databases and applications can be very complex and have a negative impact on system performance, and thus on the financial results of the company. In addition, if you cannot analyze the minute-to-date data located in different systems you lose the business opportunities offered today by advanced Business Intelligence (BI).

DBPLUS Data Replicator

DBPLUS Data Replicator is versatile and reliable software for data replication from Oracle databases to Oracle, Microsoft SQL Server and PostgreSQL. It gives real-time access to copies of production data with zero impact on the availability and performance of the systems which are the source of the data.

READING 80GB OF CHANGES / H FROM LOGS DOES NOT CHANGE PERFORMANCE

Data Replicator can read over 80GB of changes contained in log files per hour. Information about changes made on the source database is read from transaction logs via the LogMiner tool available in Oracle databases. The only effect that the Replicator has on the source base is in the low load that results from the LogMiner tool.

Database migrations and upgrades

By using real-time replication, migration or upgrading the version of the database can become much faster and much more secure. Firstly, this process allows you to migrate with virtually no downtime, because at some point the application can be very quickly switched to a new database which already contains the current data. Very often when designing this type of operation, there is a plan to return to the previous database if you encounter problems. Unfortunately, these plans usually cover no more than the first few minutes of work on the application, but when the new database includes several hours of data, a return to work on the old database is not possible. The solution to this problem is to replicate the real-time data entered into the new database to the old database as well. If you encounter problems with the new database, switching the application to the old database can be done in a matter of seconds in a manner transparent to the user.

Real-time reporting

Replication of data in real time between transaction systems and reporting platforms allows you to create reports based on the most current data without any additional load for transactional systems, which are data sources. This allows you to solve the dilemma that either you are working on outdated data (loaded to the reporting system previously, e.g. the night before), or trying to run reports directly on the transactional systems, which has a direct negative impact on their performance.

OVER 200 CLIENTS TRUSTED US ON THE EUROPEAN MARKET

Our clients are medium and large companies, including international corporations. Our experience includes the insurance, telecommunications, banking, retail and e-commerce, energy, fuel, production and logistics markets.

Application integration and interfaces

For the efficient operation of multiple applications in a company it is necessary to have an effective data exchange between them. Very often, solutions for the integration of multiple applications in a company (such as a data bus) are extremely resource-hungry. A very good solution to the problem of system integration turns out to be replication of data in real time between them, which is much less resource-intensive than other methods.

Data consolidation from multiple systems

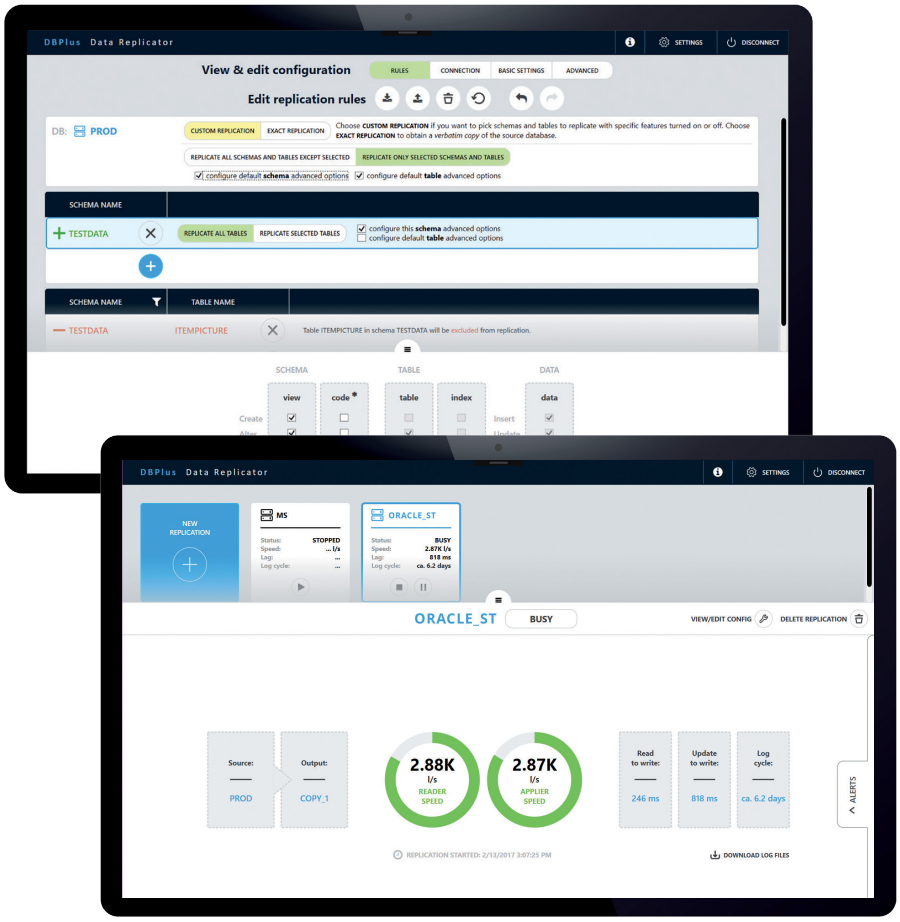
With real-time replication, you can easily consolidate data from multiple systems into a single database – e.g. a data warehouse. Reports can be created based on the current data flowing from multiple systems in the company in real time, which allows for advanced Business Intelligence analysis.

Uploading data into distributed systems

Another application is the uploading of data from the central transaction system into distributed systems in the company. Without the additional load on the source system, users in remote locations can work on a copy of the production data in real time.

1.5TB OF PROCESSED LOGS IN 24H

The DBPLUS Data Replicator software is able to read up to 1.5TB of daytime changes contained in log files. Information about changes made on the source database is read from transaction logs via the LogMiner tool available in Oracle databases. The only effect that the Replicator has on the source database is the low load resulting from the LogMiner tool.



17 EUROPEAN MARKETS

The DBPLUS software is used throughout Europe. Our clients include medium and large corporations where the performance of business applications is the most important role in business. DBPLUS has partners on local European markets.

Our case studies

CHECK ON **DBPLUS.TECH**

Data Hub - Business Intelligence architecture in real-time mode

Implementation of a central reporting system supporting the organization and business partners in 16 European countries.

Upgrading the database version without interrupting the application

Update of the versions used databases and the implementation of new functionalities in a business application along with migration to the new platform equipment.

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Key features

Easy to set up and use.

Minimum impact on the load of the source database.

Support for Oracle Standard Edition and Enterprise Edition.

Ability to replicate the entire database or selected tables.

Very high precision of operation ensures data integrity.

Allows reduction of the load on the production database thanks to the possibility of transferring reporting to dedicated systems.

User support at the highest level.

Extremely cost-effective solution, price levels unmatchable by competitors.

Ability to replicate from Oracle databases to databases in other technologies, including open source PostgreSQL.

Automation of synchronization processes thanks to the Data Transfer function

Data Transfer allows to copy any data tables between transactional databases. Thanks to that, the configuration of the replication process is more simple.

Thanks to the function, Data Replicator automates the process and doesn't require the use of additional tools such as Data Pump or RMAN.

The solution is also adapted to the network, where there is a risk of packet loss and connection breaks – thanks to the built-in function of automatic restoration of synchronization between components.

Technical specification

Replicates Oracle databases from 10.2 version and Microsoft from MS SQL Server 2012 Enterprise Edition and MS SQL 2016 Standard Edition.

DBPLUS Data Replicator server runs on Windows Server 2008, 2012 or 2016 or Windows 7/8/10 with the .NET 4.5 Framework.

Possible replications:
Oracle to Oracle
Oracle to Microsoft SQL Server
Oracle to PostgreSQL
Microsoft SQL Server to Oracle
Microsoft SQL Server to Microsoft SQL Server
Microsoft SQL Server to PostgreSQL

Requirements:
Minimum 16 GB RAM
Minimum 100 GB SSD

Software updates
Data Replicator is updated at least 4 times a year. Customers have access to all updates when they have a license or maintenance service. With the upgrade to the latest version, the application will run faster and smoother. Each published version provides new functionalities and improvements.

License conditions
DBPLUS Data Replicator is licensed per processor socket (CPU socket) for the SE or per core database version for the EE base version in the source-replica configuration.

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