

Data Sheet

## KEY BENEFITS

### ENABLES REAL-TIME REPLICATION OF SOURCE DATA INTO TARGET OPERATIONAL DATABASES

Hosted Connector is adopted based on many factors. The biggest factor is performance. It also requires low up-front investment and gives you access to the advance technology.

### ELIMINATES THE NEED FOR PERIODIC BATCH JOBS

Adopting Hosted Connector for your e-commerce environment can result in up-to-date data all the time, and eliminating the need for periodic updates/batch jobs and their inherent data latency.

### EASY & COST-EFFECTIVE IMPLEMENTATION

Well hosted or disconnected environment will also have a better security infrastructure than many small and medium businesses could afford on their own. It also provides the flexibility to rapidly scale either up or down to meet business requirements.

## Benefits for your webstore:

### DATA AVAILABILITY

One of the key benefits of a data replication system is that data is made available locally, rather than through potentially expensive, less reliable, and slow connections to a single central database. Data is accessible locally even in the absence of any connection to a central server, so you are not disconnected from data in the event of a failure of a long-distance network connection.

### RESPONSE TIME

Replication improves response times for data requests for two reasons. Retrieval rates are faster because requests are processed on a local server, without accessing a wide area network. Also, local processing offloads work from a central database server so that competition for processor time is decreased.

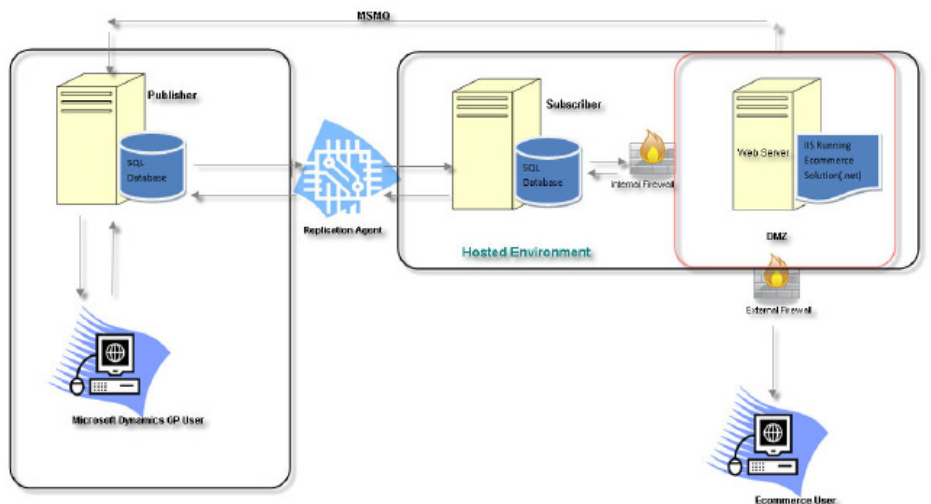
Azox provides a disconnected or hosted model for managing an Azox ecommerce solution using SQL server replication and Microsoft Message Queuing (MSMQ).

Replication is a set of technologies for copying and distributing data and database objects from one database to another and then synchronizing between databases to maintain consistency. Using replication, you can distribute data to different locations and to remote or mobile users over local and wide area networks, dial-up connections, wireless connections, and the Internet (MSDN).

Microsoft Message Queuing (MSMQ) technology enables applications running at different times to communicate across heterogeneous networks and systems that may be temporarily offline. MSMQ provides guaranteed message delivery, efficient routing, security, and priority based messaging. It can be used to implement solutions for both asynchronous and synchronous messaging scenarios (Microsoft).

Azox prefers to use replication over any other method like web service for disconnected model because our e-commerce site is very closely integrated with Microsoft Dynamics GP.

## Diagrammatical Representation:



## TESTIMONIAL

*"We've been running the disconnected model now for 6 months and we've had no issues with this configuration. Azox has been great to work with and extremely competitive in what they do. No project is perfect but Azox addressed each hurdle we came across and resolved any issues extremely fast. Azox is truly a partner worthy of our business! "*

**C. Scott Heisler**  
IT Manager  
Bronx-Diba Shoes

## SYSTEM REQUIREMENTS

- T1 (or higher) point to point connecti on between the two SQL servers.
- Minimum two SQL servers for publishing and subscribing.
- Microsoft Dynamics GP 9.0 - GP 2010
- Microsoft .NET Framework
- Windows server 2003 or later
- Internet Information Server (IIS) 5 to 7
- Microsoft SQL Server 2000 or later
- Internet access required

## ABOUT AZOX

As a Microsoft Gold Certified Partner and Strategic ISV, Azox is a recognized leader in e-commerce solutions for Microsoft Dynamics market. Azox develops and delivers fully integrated e-commerce solutions, online payment solutions, and distribution modules to a variety of businesses globally. Dedicated to developing and marketing software for Microsoft Dynamics, Azox produces world class solutions in these key areas:

- *E-Commerce Solutions*
- *E-Payment Solutions*
- *Dynamics Extensions*
- *Distribution Modules*

The webserver and the SQL server (B) are referred to as subscriber, and the ecommerce site(s) are published in the hosted environment. Transactional or Bi-directional replication between the two SQL servers can be configured as required. The web application is connected to the hosted SQL server to retrieve data requested by the end-user.

The web application in return, sends the data (for example quotes or orders) to the SQL server (A), known as the publisher using secured message queue (MSMQ). The merchant controls the data using publisher which replicates the data to the subscriber real time using the replication agents.

## Benefits of MSMQ

Microsoft Message Queue Server provides a number of key benefits to developers because of its close integration with other Microsoft technologies. We have already touched on one key benefit, which is the integration of MSMQ and ActiveX. The use of the MSMQ ActiveX components allows any application development environment that supports ActiveX to use the features of message queuing in their applications. These development environments include Visual C++, Visual Basic, Visual J++, and ActiveX Scripting Hosts. It is this ability to use MSMQ from VBScript that allows for integration with Active Server Pages.

## Benefits of SQL Replication

SQL Replication can be defined as a process of sharing data across different networks or different locations. It creates copies of database and these copies are shared with among different network and locations. The users accessing that network will make changes to this copy of data which will be later synchronized with the original database. Advantages of SQL Replication over a centralized server approach are:

- Provides more consistency for the user who can now access their local copy of data even if the original server is temporarily not working.
- SQL Replication can be a sort of data recovery tool if you happen to lose your data by theft, fire or other natural disasters. You still have a copy of your database which will keep your service running.
- By replicating data on network servers the load on the central server is decreased which reduces network traffic.
- It provides excellent synchronization technique that synchronizes all the replication data with the original database.

**For more information:**

**Microsoft**  
GOLD CERTIFIED  
Partner



www.azox.com  
sales@azox.com  
734.928.6010