

# DataExchange for Zen and PSQL

## Key Benefits

Protection against data loss in the Cloud, On-Premise or out to remote branches and field offices

Real-time backup replication Multiple replication sites supported Increased application availability

Reduced downtime and time to recovery

Unified view of business data

Improved data security with 128-bit encryption

## Supported Platforms

Windows 10, 8, 7

Windows Server 2019, 2016

Windows Server 2012, 2008 R2

Windows Small Business Server 2011, 2008

Windows Foundation Server 2008 R2

## Reliably Move Data Between Databases

DataExchange for Zen and PSQL offers two types of data replication solutions: real-time data backup of a single Zen or PSQL database and data synchronization between multiple applications. DataExchange provides a simple to use solution for securing and protecting your mission-critical data from application downtime and data loss.

## Keep Business Data Secure and Organized

DataExchange meets your most important data replication needs. DataExchange Real-Time Backup Edition can help reduce disaster-related downtime with a remote backup of key application data. DataExchange Data Synchronization Edition can help keep a consistent set of data across multiple applications.

## Real-Time Backup Increases Application Availability

Quick recovery is essential to minimize business losses during an application outage. DataExchange Real-Time Backup captures change events in the Zen or PSQL database and replicates them to a secure remote always-available duplicate backup. DataExchange reduces the loss of data and downtime associated with:

- Hardware Failure - computer or disk crashes
- Site Disaster - floods, fires or power outages
- User and Application Errors - accidental deletions, OS or application errors

DataExchange Real-Time Backup Edition helps reduce the recovery time in the event of a loss - no matter what the cause.

## DataExchange Real-Time Backup Edition



# DataExchange Technology

DataExchange captures and shares changes from one Zen or PSQL database to another by adding two software components to the database: Replication Event Handler and Replication Engine.

- Replication Event Handler plugs into the Zen or PSQL database engine and logs inserts, updates and deletes.
- Replication Engine reads the tables created by the Event Handler and identifies records changed since the last replication session.
- Changes are grouped into packets and shared with other replication engines participating in a DataExchange network.
- Detecting and Resolving Conflicts - DataExchange has default and user-definable conflict resolution rules.
- Encrypting Communication - All communication between Zen and PSQL servers is encrypted with a 128-bit key.

DataExchange supports multiple replication networks

