



Syniti Replicate/Syniti Data Replication/DBMoto: Supported Data Providers

Last updated 6/29/2023

The following table lists the databases and other data storage mechanisms supported in Syniti Replicate, Syniti Data Replication and DBMoto versions 7 to 9 for Refresh, Mirroring and Synchronization, and describes the data providers that have been tested with the product.

Syniti Replicate (formerly DBMoto) has been designed specifically for a .NET environment, therefore use a .NET Data Provider for your database connections wherever possible.

If you need to perform replications using a database or data storage system not listed here, contact our technical support team via the [Help Center](#).

RDBMS (On Premise or Cloud)	Use	Provider
Amazon Aurora MySQL	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring/Sync: Source, Target Refresh: Source, Target	MySQL .NET Data Provider Download from MySQL Note: Trigger-based transactional replications are supported for v. 4.1.5 and later; log and trigger-based transactional replications are supported for v. 5.1.31 and later Assembly: MySql.Data (file name: MySql.Data.dll) Sample path: C:\MySQL\Connector-net-6.5.4\Assemblies\v4\MySql.Data.dll
Amazon Aurora PostgreSQL	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Source, Target	PostgreSQL .NET Data Provider Download via PostgreSQL Assembly: Npgsql (file name: Npgsql.dll) Sample path: C:\Npgsql\v4.0_3.2.6.0\Npgsql.dll
Amazon RDS for MariaDB	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring/Sync: Source, Target Refresh: Source, Target	MySQL .NET Data Provider Download from MySQL Note: Trigger-based transactional replications are supported for v. 4.1.5 and later; log and trigger-based transactional replications are supported for v. 5.1.31 and later Assembly: MySql.Data (file name: MySql.Data.dll) Sample path: C:\MySQL\Connector-net-6.5.4\Assemblies\v4\MySql.Data.dll

Amazon RDS for MySQL	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring/Sync: Source, Target Refresh: Source, Target	MySQL .NET Data Provider Download from MySQL Note: Trigger-based transactional replications are supported for v. 4.1.5 and later; log and trigger-based transactional replications are supported for v. 5.1.31 and later Assembly: MySql.Data (file name: MySql.Data.dll) Sample path: C:\MySQL\Connector-net-6.5.4\Assemblies\v4\MySql.Data.dll
-----------------------------	------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.



Amazon RDS for Oracle	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring/Sync: Source, Target Refresh: Source, Target	Oracle .NET Provider Oracle client with Oracle .NET Data Provider Windows 32-bit: Download from Oracle Windows 64-bit: Download from Oracle Assembly: Oracle.DataAccess (file name: Oracle.DataAccess.dll) Sample path: C:\oracle12.1.0\client\odp.net\bin\4\Oracle.DataAccess.dll
Amazon RDS for PostgreSQL	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Source, Target Refresh Source, Target	PostgreSQL .NET Data Provider Download via PostgreSQL Assembly: Npgsql (file name: Npgsql.dll) Sample path: C:\Npgsql\v4.0_3.2.6.0\Npgsql.dll
Amazon RDS for SQL Server	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring/Sync: Source, Target Refresh: Source, Target	Microsoft SQL Server .NET Data Provider (Included with .NET Framework) Assembly: System.Data (file name: System.Data.dll)
Firebird v2.0 and later	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring: Target Refresh: Source, Target	Firebird Server for Windows .NET Data Provider Download from Firebird Assembly: FirebirdSql.Data.FirebirdClient (file name: FirebirdSql.Data.FirebirdClient.dll) Sample path: C:\FirebirdClientV2.0\FirebirdSql.Data.FirebirdClient.dll

<p>Google Cloud SQL MySQL</p>	<p>(Syniti Replicate/DBMoto v9.6 and above)</p> <p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>MySQL .NET Data Provider Download from MySQL Note: Trigger-based transactional replications are supported for v. 4.1.5 and later; log and trigger-based transactional replications are supported for v. 5.1.31 and later</p> <p>Assembly: MySQL.Data (file name: MySQL.Data.dll)</p> <p>Sample path: C:\MySQL\Connector-net-6.5.4\Assemblies\4\MySQL.Data.dll</p>
<p>Google Cloud SQL PostgreSQL</p>	<p>(Syniti Replicate/DBMoto v9.6 and above)</p> <p>Mirroring Target</p> <p>Refresh Source, Target</p>	<p>PostgreSQL .NET Data Provider Download via PostgreSQL</p> <p>Assembly: Npgsql (file name: Npgsql.dll)</p> <p>Sample path: C:\Npgsql\4.0_3.2.6.0\Npgsql.dll</p>

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.



<p>Gupta SQL Base v8.5.0 and later</p>	<p>(Syniti Replicate/DBMoto v9.6 and above)</p> <p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>Gupta SQLBase .NET Data Provider Download from Gupta Technologies</p> <p>Assembly: Gupta.SQLBase.Data (file name: Gupta.SQLBase.Data.dll)</p> <p>Sample path: Gupta: C:\Program Files\Gupta\SQLBase901\Gupta.SQLBase.Data.dll</p>
<p>IBM Db2 for i (AS/400)</p>	<p>Mirroring/Sync: Source, Target (Source V4R3 or later required for Log Reader. Source V6R1 required for Log Reader API - DBMoto v9 and later. Mirroring target V3R2 and later)</p> <p>Refresh: Source, Target (V3R2 and later)</p>	<p>HiT Ritmo/i .NET Data Provider (Distributed with Syniti Replicate/DBMoto)</p> <p>Assembly: Sql400 (file name: Sql400.dll)</p> <p>Sample path: Ritmo i5\lib\Sql400.dll or C:\Program Files\HiT Software\Ritmo i Server 4.0.0 \lib\Sql400.dll</p>

IBM Db2 for LUW (LINUX, UNIX, Windows) v5 and later	Mirroring/Sync: Source, Target (Source DB2 v7.2 or above required) Refresh: Source, Target	HiT Ritmo/DB2 .NET Data Provider (Distributed with Syniti Replicate/DBMoto) Assembly: SqlDb2 (file name: SqlDb2.dll) Sample path: Ritmo DB2\lib\SqlDb2.dll or C:\Program Files\HiT Software\Ritmo DB2 Server 4.1.0\lib\RitmoDB2.dll
IBM Db2 for z/OS v5 and later	Mirroring/Sync: Source, Target Refresh: Source, Target	HiT Ritmo/DB2 .NET Data Provider (Distributed with Syniti Replicate/DBMoto) Assembly: SqlDb2 (file name: SqlDb2.dll) Sample path: Ritmo DB2\lib\SqlDb2.dll
IBM Informix v9.5 and later	Mirroring/Sync: Source, Target Refresh: Source, Target	Informix .NET Data Provider Download from IBM Informix Assembly: IBM.Data.Informix (file name: IBM.Data.Informix.dll)
Ingres v9.5 and later	Mirroring: Target Refresh: Source, Target	Ingres .NET Data Provider Download from Actian Assembly: Ingres.Client (file name: Ingres.Client.dll) CA .NET Data Provider Assembly: Ca.Ingres.Client (file name: Ca.Ingres.Client.dll)

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.



MariaDB	(Syniti Replicate/DBMoto v9.6 and above) Mirroring/Sync: Source, Target Refresh: Source, Target	MySQL .NET Data Provider Download from MySQL Note: Trigger-based transactional replications are supported for v. 4.1.5 and later; log and trigger-based transactional replications are supported for v. 5.1.31 and later Assembly: MySql.Data (file name: MySql.Data.dll) Sample path: C:\MySQL\Connector-net-6.5.4\Assemblies\v4\MySql.Data.dll
Microsoft Access 97 and later	Mirroring: Target Refresh: Source, Target	Microsoft ODBC Driver
Microsoft Azure SQL Database v11 (MS SQL Server 2012) and later. (DBMoto 8.5.1.6 and above)	Mirroring: Source, Target Refresh: Source, Target	Microsoft SQL Server .NET Data Provider (Included with .NET Framework) Assembly: System.Data (file name: System.Data.dll)

Microsoft Azure SQL Server	Mirroring/Sync: Source, Target Refresh: Source, Target	Microsoft SQL Server .NET Data Provider (Included with .NET Framework) Assembly: System.Data (file name: System.Data.dll)
Microsoft SQL Server v7 and later	Mirroring/Sync: Source, Target Refresh: Source, Target	Microsoft SQL Server .NET Data Provider (Included with .NET Framework) Assembly: System.Data (file name: System.Data.dll)
MySQL v. 4.1.5 and later	Mirroring/Sync: Source, Target Refresh: Source, Target	MySQL .NET Data Provider Download from MySQL Note: Trigger-based transactional replications are supported for v. 4.1.5 and later; log and trigger-based transactional replications are supported for v. 5.1.31 and later Assembly: MySql.Data (file name: MySql.Data.dll) Sample path: C:\MySQL\Connector-net-6.5.4\Assemblies\v4\MySql.Data.dll
Oracle v8.1.7 From Syniti DR 9.7: Oracle Autonomous Database: Transaction Processing and Data Warehouse	Mirroring/Sync: Source, Target Refresh: Source, Target	Oracle .NET Provider Oracle client with Oracle .NET Data Provider Windows 32-bit: Download from Oracle Windows 64-bit: Download from Oracle Assembly: Oracle.DataAccess (file name: Oracle.DataAccess.dll) Sample path: C:\oracle12.1.0\client\odp.net\bin\4\Oracle.DataAccess.dll

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.



PostgreSQL v8 and later	Mirroring Source, Target Refresh Source, Target	PostgreSQL .NET Data Provider Download via PostgreSQL Assembly: Npgsql (file name: Npgsql.dll) Sample path: C:\Npgsql\v4.0_3.2.6.0\Npgsql.dll
Progress OpenEdge (provided by client)	(Syniti Replicate/DBMoto v9.7 and above) Mirroring: Source, Target Refresh: Source, Target	Progress DataDirect 7.1 Wire Protocol ODBC driver for OpenEdge Download the windows-64 or 32-bits version from: Progress Website Assembly: DDOE27 (file name: DDOE27.DLL) Sample Path: C:\Program Files\Progress\DataDirect\Connect64_for_ODBC_71\Drivers\DDOE27.DLL

SAP ASE v12.5 and later	Mirroring/Sync: Source, Target Refresh: Source, Target	Sybase ASE .NET Data Provider (included with SAP ASE) Assembly: Sybase.Data.AseClient (file name: Sybase.Data.AseClient.dll) Sample path: C:\Sybase-ASE\ADONET_1.15.50.0\dll\Sybase.Data.AseClient.dll
SAP NetWeaver For ECC and S/4 HANA	Refresh: Source	CDATA Driver for SAP ERP SAP Remote Function Calls (RFC) extraction Included with Syniti Replicate 10.1 or above, additional components must be requested in the Help Center . Follow instructions in the SAP RFC Extraction Setup Guide available in the Help Center .
SAP SQL Anywhere	Mirroring/Sync: Source, Target Refresh: Source, Target	SQL Anywhere .NET Data Provider (From the SAP Developer Center) https://archive.sap.com/documents/docs/DOC-35857 Assembly: Sap.Data.SQLAnywhere.v4.5 Sample path: C:\Program Files\SQL Anywhere 17\Assembly\V4.5\Sap.Data.SQLAnywhere.v4.5.dll
UNICOM Global solidDB	Mirroring: Target Refresh: Source, Target	SolidDB ODBC driver available from: SolidDB Website
Tibero TmaxSoft	(Syniti Replicate/DBMoto v9.5.1.4 and above) Mirroring: Target Refresh: Source, Target	TmaxSoft Tibero ODBC driver available for download from the TmaxSoft web site

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.



Analytics/ Data Warehouse	Use	Provider
Action Vector v2.5 and above	Mirroring: Target Refresh: Source, Target	Ingres .NET Data Provider 2.1.1010.46 or later. Download at Action Website Use the 32-bit provider for both 32-bit and 64-bit environments to support Bulkinsert

Amazon Redshift	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring: Target Refresh: Source,Target	Amazon Redshift ODBC Driver Download as follows: <ul style="list-style-type: none"> • 32-bit Amazon Redshift (x86): https://docs.aws.amazon.com/redshift/latest/mgmt/welcome.html • 64-bit Amazon Redshift (x64): https://docs.aws.amazon.com/redshift/latest/mgmt/odbc20-install-config-win.html
Greenplum	(Syniti Replicate/ DBMoto 9.8.0 and above) Mirroring: Target Refresh: Source, Target	PostgreSQL .NET Data Provider Download via PostgreSQL Assembly: Npgsql (file name: Npgsql.dll) Sample path: C:\Npgsql\4.0_3.2.6.0\Npgsql.dll
IBM PureData for Analytics (Netezza) v6.x and later	Mirroring: Source (DBMoto 8.5 or later) Target Refresh: Source, Target	Netezza ODBC Driver Download from http://www-933.ibm.com/support/fixcentral/ In the Product Group drop-down choose Information Management. In Select from Information Management choose IBM Netezza NPS Software and Clients, select the latest version and Windows platform
Microsoft Azure Synapse Analytics	(Syniti Replicate/ DBMoto 9.6 and above) Mirroring: Target Refresh: Source, Target	Microsoft SQL Server .NET Data Provider (Included with .NET Framework) Assembly: System.Data (file name: System.Data.dll)
SAP HANA	Mirroring/Sync: Source, Target (DBMoto 8.1 or later) Refresh: Source,Target (DBMoto 8.1 or later)	SAP HANA .NET Data Provider version 1.0.84.0 or above (Supported in DBMoto 8.5 and above) Log in and register your account: https://community.sap.com/topics/database data-management search for "Software Downloads" SAP HANA CLIENT Winx86 (32 or 64 bit) SAP HANA ODBC Driver SAP HANA CLIENT Winx86 (32 or 64 bit) CDATA ODBC driver for SAP ERP: For use with runtime licenses (vs Enterprise Licenses) that does not allow direct access to the database. Download from https://www.cdata.com/drivers/sap/odbc/

<p>SAP IQ/SAP Sybase IQ v15.4 and later</p>	<p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>SAP SQL Anywhere .NET Data Provider (Version 12 - from the SAP Developer Center)</p> <p>https://archive.sap.com/documents/docs/DOC-35857</p> <p>Assembly: iAnywhere.Data.SQLAnywhere (file name: iAnywhere.Data.SQLAnywhere.dll)</p> <p>Sample path: C:\Program Files\SQL Anywhere 12\Assembly\V4.5\iAnywhere.Data.SQLAnywhere.dll</p>
<p>Snowflake</p>	<p>(Syniti Replicate/DBMoto v9.7 and above)</p> <p>Mirroring: Target</p> <p>Refresh: Source, Target</p>	<p>Snowflake ODBC driver version 2.20 or above, available for download via Snowflake documentation link:</p> <p>https://docs.snowflake.com/en/user-guide/odbc-download.html</p> <p>Note: This driver requires the Microsoft Visual C++ Redistributable for Visual Studio 2015</p>
<p>Teradata</p>	<p>(Syniti Replicate/DBMoto v9 and above)</p> <p>Mirroring: Target</p> <p>Refresh: Source, Target</p>	<p>Teradata .NET Provider Teradata.Client.Provider.dll</p> <p>Download at: https://downloads.teradata.com/download/connectivity/net-data-provider-for-teradata</p> <p>Assembly: Teradata.Client.Provider Sample path: Program C:\Program Files\Teradata\Client\16.20\bin\Teradata.Client.Provider.dll</p>
<p>Vertica v6 and above</p>	<p>Mirroring: Target (Syniti Replicate/DBMoto 8.0.0 or later)</p> <p>Refresh: Source, Target (Syniti Replicate/DBMoto 8.0.0 or later)</p>	<p>Vertica .NET Data Provider Download at: https://www.vertica.com/download/vertica/client-drivers/</p> <p>Assembly: Vertica.Data Sample path: C:\Program Files\Vertica Systems\ADO.NET\Vertica.Data.dll</p>
<p>Big Data</p>	<p>Use</p>	<p>Provider</p>
<p>Amazon S3</p>	<p>(Syniti Replicate / DBMoto v9.6 and above)</p> <p>Mirroring: Target</p> <p>Refresh: Target</p>	<p>Amazon S3 File Provider (Distributed with Syniti Replicate)</p>

Cassandra	(Syniti Replicate / DBMoto v9.6 and above) Mirroring Target Refresh Target	CDATA ADO.NET Provider for Cassandra version 21.0.7850 or later. CDATA Website
------------------	--------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.



DocumentDB	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Target	MongoDB .NET Driver Version 2.8.0 or above The latest stable version can be downloaded via: Nuget Website
Google BigQuery	(Syniti Replicate / DBMoto v9.7 and above) Mirroring Target Refresh Target	Google.Cloud.BigQuery v.2 (version 2.3.0) Nuget package from: Nuget Website Follow instructions in the Google BigQuery Setup Guide available in the Help Center .
Hadoop Distributed File System (HDFS)	Mirroring Target Refresh Target	Hadoop HDFS Provider (Distributed with Syniti Replicate/DBMoto)
Microsoft Azure Data Lake	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Target	Azure Data Lake Provider (Distributed with Syniti Replicate) Install Nuget packages: Gen 1 Microsoft.Azure.Management.DataLake.Store v2.2.0 or above: https://www.nuget.org/packages/Microsoft.Azure.Management.DataLake.Store Microsoft.Rest.ClientRuntime.Azure.Authentication v2.3.7 or above: https://www.nuget.org/packages/Microsoft.Rest.ClientRuntime.Azure.Authentication/ Gen 2 Microsoft.IdentityModel.Clients.ActiveDirectory v2.28.3 or above: https://www.nuget.org/packages/Microsoft.IdentityModel.Clients.ActiveDirectory/2.28.3

MongoDB Atlas	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Target	MongoDB .NET Driver Version 2.14.1 or above The latest stable version can be downloaded via: https://www.nuget.org/packages/MongoDB.Driver/2.14.1
Message Queue/File	Use	Provider
Microsoft Azure Event Hubs	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Target	Download WindowsAzure.ServiceBus version 6.2 from the nuget site: https://www.nuget.org/packages/WindowsAzure.ServiceBus

Copyright© 2021 by BackOffice Associates, LLC d/b/a Syniti and/or affiliates. All Rights Reserved. This document contains confidential and proprietary information and reproduction is prohibited unless authorized by Syniti. Names appearing within the product manuals may be trademarks of their respective owners.



Files - CSV	Mirroring Target Refresh (Source Syniti Replicate/ DBMoto 9.8 and above) Source, Target	File Provider (Distributed with Syniti Replicate) For files sources: Microsoft Text ODBC Driver, typically available with Microsoft Office packages containing Access, or by installing the Microsoft Access Database Engine 2010 Redistributable .
Files - JSON	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Target	JSON Provider (Distributed with Syniti Replicate)
Files - XML	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Target	XML Provider (Distributed with Syniti Replicate)

Kafka - Apache	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Target	Kafka Provider (Distributed with Syniti Replicate) Install nuget package: Confluent.Kafka v1.7.0 from: https://www.nuget.org/packages/Confluent.Kafka/1.7.0
Kafka – Confluent Cloud	(Syniti Replicate/ DBMoto v9.6 and above) Mirroring Target Refresh Target	Kafka Provider (Distributed with Syniti Replicate) Install nuget package: Confluent.Kafka.StrongName 1.1.0. from: https://www.nuget.org/packages/Confluent.Kafka.StrongName
Parquet	(Syniti Replicate/ DBMoto v9.8.1 or above) Mirroring Target Refresh Target	Parquet.NET Provider 3.9.0 Download from https://www.nuget.org/packages/Parquet.Net Follow instructions in the Parquet Setup Guide available in the Help Center .