

## Syniti Data Replication/DBMoto: Supported Data Providers

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The following table lists the databases and other data storage mechanisms supported in 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 Data Replication (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	(DBMoto v9.6 and above)  <b>Mirroring/Sync:</b> Source, Target  <b>Refresh:</b> Source, Target	<b>MySQL .NET Data Provider</b> <a href="#">Download from MySQL</a> <b>Note:</b> 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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll
Amazon Aurora PostgreSQL	(DBMoto v9.6 and above)  <b>Mirroring</b> Target  <b>Refresh</b> Source, Target	<b>PostgreSQL .NET Data Provider</b> <a href="#">Download via PostgreSQL</a>  Assembly: Npgsql (file name: Npgsql.dll)  Sample path: C:\Npgsql1.0\Npgsql\bin\ms2.0\Npgsql.dll
Amazon RDS for MariaDB	(DBMoto v9.6 and above)  <b>Mirroring/Sync:</b> Source, Target  <b>Refresh:</b> Source, Target	<b>MySQL .NET Data Provider</b> <a href="#">Download from MySQL</a> <b>Note:</b> 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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll
Amazon RDS for MySQL	(DBMoto v9.6 and above)  <b>Mirroring/Sync:</b> Source, Target  <b>Refresh:</b> Source, Target	<b>MySQL .NET Data Provider</b> <a href="#">Download from MySQL</a> <b>Note:</b> 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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll

<p><b>Amazon RDS for Oracle</b></p>	<p>(DBMoto v9.6 and above)</p> <p><b>Mirroring/Sync:</b> Source, Target</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>Oracle .NET Provider</b></p> <p>Oracle client with Oracle .NET Data Provider  <a href="#">Windows 32-bit: Download from Oracle</a>  <a href="#">Windows 64-bit: Download from Oracle</a></p> <p>Assembly: Oracle.DataAccess (file name: Oracle.DataAccess.dll)</p> <p>Sample path: C:\oracle10_2\client\odp.net\bin\2.x\Oracle.DataAccess.dll</p>
<p><b>Amazon RDS for PostgreSQL</b></p>	<p>(DBMoto v9.6 and above)</p> <p><b>Mirroring</b> Source, Target</p> <p><b>Refresh</b> Source, Target</p>	<p><b>PostgreSQL .NET Data Provider</b>  <a href="#">Download via PostgreSQL</a></p> <p>Assembly: Npgsql (file name: Npgsql.dll)</p> <p>Sample path: C:\Npgsql1.0\Npgsql\bin\ms2.0\Npgsql.dll</p>
<p><b>Amazon RDS for SQL Server</b></p>	<p>(DBMoto v9.6 and above)</p> <p><b>Mirroring/Sync:</b> Source, Target</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>Microsoft SQL Server .NET Data Provider</b> (included with .NET Framework)</p> <p>Assembly: System.Data (file name: System.Data.dll)</p>
<p><b>Firebird</b> v2.0 and later</p>	<p><b>Mirroring:</b> Target</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>Firebird Server for Windows .NET Data Provider</b>  <a href="#">Download from Firebird</a></p> <p>Assembly: FirebirdSql.Data.FirebirdClient (file name: FirebirdSql.Data.FirebirdClient.dll)</p> <p>Sample path: C:\FirebirdClientV2.0\FirebirdSql.Data.FirebirdClient.dll</p>
<p><b>Google Cloud SQL MySQL</b></p>	<p>(DBMoto v9.6 and above)</p> <p><b>Mirroring/Sync:</b> Source, Target</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>MySQL .NET Data Provider</b>  <a href="#">Download from MySQL</a></p> <p>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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll</p>
<p><b>Google Cloud SQL PostgreSQL</b></p>	<p>(DBMoto v9.6 and above)</p> <p><b>Mirroring</b> Target</p> <p><b>Refresh</b> Source, Target</p>	<p><b>PostgreSQL .NET Data Provider</b>  <a href="#">Download via PostgreSQL</a></p> <p>Assembly: Npgsql (file name: Npgsql.dll)</p> <p>Sample path: C:\Npgsql1.0\Npgsql\bin\ms2.0\Npgsql.dll</p>

<p><b>Gupta SQL Base</b> v8.5.0 and later</p>	<p><b>Mirroring/Sync:</b> Source, Target</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>Gupta SQLBase .NET Data Provider</b>  <a href="#">Download from Gupta Technologies</a></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><b>IBM Db2 for i (AS/400)</b></p>	<p><b>Mirroring/Sync:</b> 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><b>Refresh:</b> Source, Target (V3R2 and later)</p>	<p><b>HiT Ritmo/i .NET Data Provider</b> (distributed with Syniti Data Replication/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>
<p><b>IBM Db2 for LUW (LINUX,UNIX, Windows)</b> v5 and later</p>	<p><b>Mirroring/Sync:</b> Source, Target (Source DB2 v7.2 or above required)</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>HiT Ritmo/DB2 .NET Data Provider</b> (distributed with Syniti Data Replication/DBMoto)</p> <p>Assembly: SqlDb2 (file name: SqlDb2.dll)</p> <p>Sample path: Ritmo DB2\lib\SqlDb2.dll or C:\Program Files\HiT Software\Ritmo DB2 Server 4.1.0\lib\RitmoDB2.dll</p>
<p><b>IBM Db2 for z/OS</b> v5 and later</p>	<p><b>Mirroring/Sync:</b> Source, Target</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>HiT Ritmo/DB2 .NET Data Provider</b> (distributed with Syniti Data Replication/DBMoto)</p> <p>Assembly: SqlDb2 (file name: SqlDb2.dll)</p> <p>Sample path: Ritmo DB2\lib\SqlDb2.dll</p>
<p><b>IBM Informix</b> v9.5 and later</p>	<p><b>Mirroring/Sync:</b> Source, Target</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>Informix .NET Data Provider</b>  <a href="#">Download from IBM Informix</a></p> <p>Assembly: IBM.Data.Informix (file name: IBM.Data.Informix .dll)</p>
<p><b>Ingres</b> v9.5 and later</p>	<p><b>Mirroring:</b> Target</p> <p><b>Refresh:</b> Source, Target</p>	<p><b>Ingres .NET Data Provider</b>  <a href="#">Download from Actian</a></p> <p>Assembly: Ingres.Client (file name: Ingres.Client.dll)</p> <p>CA .NET Data Provider</p>

		<p>Assembly:  Ca.Ingres.Client (file name: Ca.Ingres.Client.dll)</p>
<b>MariaDB</b>	<p>(DBMoto v9.6 and above)</p> <p><b>Mirroring/Sync:</b>  Source, Target</p> <p><b>Refresh:</b>  Source, Target</p>	<p><b>MySQL .NET Data Provider</b>  <a href="#">Download from MySQL</a>  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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll</p>
<b>Microsoft Access</b> 97 and later	<p><b>Mirroring</b>  Target</p> <p><b>Refresh:</b>  Source, Target</p>	<p><b>Microsoft ODBC Driver</b></p>
<b>Microsoft Azure SQL Database</b> v11 (MS SQL Server 2012) and later. (DBMoto 8.5.1.6 and above)	<p><b>Mirroring</b>  Source, Target</p> <p><b>Refresh</b>  Source, Target</p>	<p><b>Microsoft SQL Server .NET Data Provider</b>  (included with .NET Framework)</p> <p>Assembly:  System.Data  (file name: System.Data.dll)</p>
<b>Microsoft Azure SQL Server</b>	<p><b>Mirroring/Sync:</b>  Source, Target</p> <p><b>Refresh:</b>  Source, Target</p>	<p><b>Microsoft SQL Server .NET Data Provider</b>  (included with .NET Framework)</p> <p>Assembly:  System.Data  (file name: System.Data.dll)</p>
<b>Microsoft SQL Server</b> v7 and later	<p><b>Mirroring/Sync:</b>  Source, Target</p> <p><b>Refresh:</b>  Source, Target</p>	<p><b>Microsoft SQL Server .NET Data Provider</b>  (included with .NET Framework)</p> <p>Assembly:  System.Data  (file name: System.Data.dll)</p>
<b>MySQL</b> v. 4.1.5 and later	<p><b>Mirroring/Sync:</b>  Source, Target</p> <p><b>Refresh:</b>  Source, Target</p>	<p><b>MySQL .NET Data Provider</b>  <a href="#">Download from MySQL</a>  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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll</p>
<b>Oracle</b> v8.1.7 and later  From Syniti DR 9.7: <b>Oracle Autonomous Database:</b> Transaction Processing and Data Warehouse	<p><b>Mirroring/Sync:</b>  Source, Target</p> <p><b>Refresh:</b>  Source, Target</p>	<p><b>Oracle .NET Provider</b></p> <p>Oracle client with Oracle .NET Data Provider  <a href="#">Windows 32-bit: Download from Oracle</a>  <a href="#">Windows 64-bit: Download from Oracle</a></p> <p>Assembly:  Oracle.DataAccess  (file name: Oracle.DataAccess.dll)</p>

		Sample path: C:\oracle10_2\client\odp.net\bin\2.x\Oracle.DataAccess.dll
<b>PostgreSQL</b> v8 and later	<b>Mirroring</b> Source, Target  <b>Refresh</b> Source, Target	<b>PostgreSQL .NET Data Provider</b> <a href="#">Download via PostgreSQL</a>  Assembly: Npgsql (file name: Npgsql.dll)  Sample path: C:\Npgsql1.0\Npgsql\bin\ms2.0\Npgsql.dll
<b>SAP ASE</b> v12.5 and later	<b>Mirroring/Sync:</b> Source, Target  <b>Refresh:</b> Source, Target	<b>Sybase ASE .NET Data Provider</b> (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
<b>SAP SQL Anywhere</b>	<b>Mirroring/Sync:</b> Source, Target  <b>Refresh:</b> Source, Target	<b>SQL Anywhere .NET Data Provider</b> (From the SAP Developer Center) <a href="https://archive.sap.com/documents/docs/DOC-35857">https://archive.sap.com/documents/docs/DOC-35857</a>  Assembly: Sap.Data.SQLAnywhere.v4.5  Sample path: C:\Program Files\SQL Anywhere 17\Assembly\4.5\Sap.Data.SQLAnywhere.v4.5.dll
<b>Tibero TmaxSoft</b>	(DBMoto v9.5.1.4 and above)  <b>Mirroring</b> Target  <b>Refresh</b> Source, Target	TmaxSoft Tibero ODBC driver available for download from the <a href="#">TmaxSoft web site</a>
<b>Analytics/ Data Warehouse</b>	<b>Use</b>	<b>Provider</b>
<b>Action Vector</b> v2.5 and above	<b>Mirroring:</b> Target  <b>Refresh:</b> Source,Target	<b>Ingres .NET Data Provider</b> 2.1.1010.46 or later. Download at <a href="http://esd.action.com/product/drivers/.Net_Data_Provider/Windows_32-Bit/.Net_Data_Provider_GA">http://esd.action.com/product/drivers/.Net_Data_Provider/Windows_32-Bit/.Net_Data_Provider_GA</a> . Use the 32-bit provider for both 32-bit and 64-bit environments to support bulkinsert
<b>Amazon Redshift</b>	(Syniti DR v9.6 and above)  <b>Mirroring:</b> Target  <b>Refresh:</b> Source,Target	<b>Amazon Redshift ODBC Driver</b> Download as follows:  <ul style="list-style-type: none"> <li>• 32-bit Amazon Redshift (x86): <a href="https://s3.amazonaws.com/redshift-downloads/drivers/odbc/1.4.4.1001/AmazonRedshiftODBC32-1.4.4.1001.msi">https://s3.amazonaws.com/redshift-downloads/drivers/odbc/1.4.4.1001/AmazonRedshiftODBC32-1.4.4.1001.msi</a></li> <li>• 64-bit Amazon Redshift (x64): <a href="https://s3.amazonaws.com/redshift-downloads/drivers/odbc/1.4.4.1001/AmazonRedshiftODBC64-1.4.4.1001.msi">https://s3.amazonaws.com/redshift-downloads/drivers/odbc/1.4.4.1001/AmazonRedshiftODBC64-1.4.4.1001.msi</a></li> </ul>

<b>IBM PureData for Analytics (Netezza)</b> v6.x and later	<b>Mirroring:</b> Source (DBMoto 8.5 or later) <b>Target</b>  <b>Refresh:</b> Source, Target	<b>Netezza ODBC Driver</b> Download from <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a>  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
<b>Microsoft Azure Data Warehouse</b>	(Syniti DR v9.6 and above)  <b>Mirroring:</b> Target  <b>Refresh:</b> Source, Target	<b>Microsoft SQL Server .NET Data Provider</b> (included with .NET Framework)  Assembly: System.Data (file name: System.Data.dll)
<b>SAP HANA</b>	<b>Mirroring/Sync:</b> Source, Target (DBMoto 8.1 or later)  <b>Refresh:</b> Source, Target (DBMoto 8.1 or later)	<b>SAP HANA .NET Data Provider version 1.0.84.0 or above</b> (Supported in DBMoto 8.5 and above) Log in and register your account : <a href="https://community.sap.com/topics/hana-data-management-suite?sourceid=PPCDevelopers2&amp;url_id=text-crm-xh12-ppc-ppcdbg4-developeredition">https://community.sap.com/topics/hana-data-management-suite?sourceid=PPCDevelopers2&amp;url_id=text-crm-xh12-ppc-ppcdbg4-developeredition</a> search for "Software Downloads"  <a href="#">SAP HANA CLIENT Winx86 (32 or 64 bit)</a>  SAP HANA ODBC Driver <a href="#">SAP HANA CLIENT Winx86 (32 or 64 bit)</a>  <b>CData ODBC driver for SAP ERP:</b> For use with a Runtime License (vs Enterprise License) that does not allow direct access to the database. Download from: <a href="https://www.cdata.com/drivers/sap/odbc/">https://www.cdata.com/drivers/sap/odbc/</a> .
<b>SAP IQ/SAP Sybase IQ</b>	<b>Mirroring/Sync:</b> Source, Target  <b>Refresh:</b> Source, Target	<b>SAP SQL Anywhere .NET Data Provider</b> (Version 12 - from the SAP Developer Center)  <a href="https://archive.sap.com/documents/docs/DOC-35857">https://archive.sap.com/documents/docs/DOC-35857</a>  Assembly: iAnywhere.Data.SQLAnywhere (file name: iAnywhere.Data.SQLAnywhere.dll)  Sample path: C:\Program Files\SQL Anywhere 12\Assembly\V4.5\iAnywhere.Data.SQLAnywhere.dll
<b>Snowflake</b>	(Syniti DR v9.7 and above) <b>Mirroring:</b> Target  <b>Refresh:</b> Source, Target	Snowflake ODBC driver version 2.20 or above, available for download via a Snowflake documentation link: <a href="https://docs.snowflake.net/manuals/user-guide/odbc-download.html">https://docs.snowflake.net/manuals/user-guide/odbc-download.html</a>
<b>Teradata</b>	(DBMoto v9 and above)  <b>Mirroring</b> Target	<b>Teradata .NET Provider</b> Teradata.Client.Provider.dll  Download at: <a href="https://downloads.teradata.com/download/connectivity/net-data-provider-for-teradata">https://downloads.teradata.com/download/connectivity/net-data-provider-for-teradata</a>

	<b>Refresh</b> Source, Target	Assembly: Teradata.Client.Provider Sample path: Program C:\Program Files\Teradata\Client\16.20\bin\Teradata.Client.Provider.dll
<b>Vertica v6 and above</b>	<b>Mirroring:</b> Target (DBMoto 8.0.0 or later)  <b>Refresh:</b> Source,Target (DBMoto 8.0.0 or later)	<b>Vertica .NET Data Provider</b> Download at: <a href="https://www.vertica.com/download/vertica/client-drivers/">https://www.vertica.com/download/vertica/client-drivers/</a>  Assembly: Vertica.Data Sample path: C:\Program Files\Vertica Systems\ADO.NET\Vertica.Data.dll
<b>Big Data</b>	<b>Use</b>	<b>Provider</b>
<b>Amazon S3</b>	(Syniti DR v9.6 and above)  <b>Mirroring</b> Target  <b>Refresh</b> Target	<b>Amazon S3 File Provider</b> (distributed with Syniti Data Replication)
<b>DocumentDB</b>	(Syniti DR v9.6 and above)  <b>Mirroring</b> Target  <b>Refresh</b> Target	<b>MongoDB .NET Driver Version 2.7.3 or above</b> The latest stable version can be downloaded via:  <a href="https://github.com/mongodb/mongo-csharp-driver/releases">https://github.com/mongodb/mongo-csharp-driver/releases</a>
<b>Google BigQuery</b>	(Syniti DR v9.7 and above) <b>Mirroring:</b> Target  <b>Refresh:</b> Target	<b>Google.Cloud.BigQuery.V2</b> (version 1.4.0) nuget package from: <a href="https://www.nuget.org/packages/Google.Cloud.BigQuery.V2/">https://www.nuget.org/packages/Google.Cloud.BigQuery.V2/</a>
<b>Hadoop Distributed File System (HDFS)</b>	<b>Mirroring</b> Target  <b>Refresh</b> Target	<b>Hadoop HDFS Provider</b> (distributed with Syniti DR/DBMoto)
<b>Microsoft Azure Data Lake</b>	(Syniti DR v9.6 and above)  <b>Mirroring</b> Target  <b>Refresh</b> Target	<b>Azure Data Lake Provider</b> (distributed with Syniti DR) Install nuget packages:  Microsoft.Azure.Management.DataLake.Store v2.2.0 or above:  <a href="https://www.nuget.org/packages/Microsoft.Azure.Management.DataLake.Store">https://www.nuget.org/packages/Microsoft.Azure.Management.DataLake.Store</a>  Microsoft.Rest.ClientRuntime.Azure.Authentication v2.3.7 or above:  <a href="https://www.nuget.org/packages/Microsoft.Rest.ClientRuntime.Azure.Authentication/">https://www.nuget.org/packages/Microsoft.Rest.ClientRuntime.Azure.Authentication/</a>

<b>MongoDB Atlas</b>	(Syniti DR v9.6 and above)  <b>Mirroring Target</b>  <b>Refresh Target</b>	<b>MongoDB .NET Driver Version 2.8.03 or above</b> The latest stable version can be downloaded via:  <a href="https://github.com/mongodb/mongo-csharp-driver/releases">https://github.com/mongodb/mongo-csharp-driver/releases</a>
<b>Message Queue/File</b>	<b>Use</b>	<b>Provider</b>
<b>Files - CSV</b>	<b>Mirroring Target</b>  <b>Refresh Target</b>	<b>File Provider</b> (distributed with Syniti Data Replication)
<b>Files - JSON</b>	(Syniti DR v9.6 and above)  <b>Mirroring Target</b>  <b>Refresh Target</b>	<b>JSON Provider</b> (distributed with Syniti Data Replication)
<b>Files - XML</b>	(Syniti DR v9.6 and above)  <b>Mirroring Target</b>  <b>Refresh Target</b>	<b>XML Provider</b> (distributed with Syniti Data Replication)
<b>Kafka - Apache</b>	(Syniti DR v9.6 and above)  <b>Mirroring Target</b>  <b>Refresh Target</b>	<b>Kafka Provider</b> (distributed with Syniti Data Replication)  Install nuget package: Confluent.Kafka.StrongName v1.0.0 from: <a href="https://www.nuget.org/packages/Confluent.Kafka.StrongName/">https://www.nuget.org/packages/Confluent.Kafka.StrongName/</a>
<b>Kafka – Confluent Cloud</b>	(Syniti DR v9.6.3 and above)  <b>Mirroring Target</b>  <b>Refresh Target</b>	<b>Kafka Provider</b> (distributed with Syniti Data Replication)  Install nuget package: Confluent.Kafka.StrongName v1.1.0 from: <a href="https://www.nuget.org/packages/Confluent.Kafka.StrongName/">https://www.nuget.org/packages/Confluent.Kafka.StrongName/</a>