

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 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 DR/ 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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll
Amazon Aurora PostgreSQL	(Syniti DR/ 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:\Npgsql1.0\Npgsql\bin\ms2.0\Npgsql.dll
Amazon RDS for MariaDB	(Syniti DR/ 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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll
Amazon RDS for MySQL	(Syniti DR/ 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-5.0.3\Driver\bin\net-2.0\release\MySql.Data.dll

<p>Amazon RDS for Oracle</p>	<p>(Syniti DR/DBMoto v9.6 and above)</p> <p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>Oracle .NET Provider</p> <p>Oracle client with Oracle .NET Data Provider Windows 32-bit: Download from Oracle Windows 64-bit: Download from Oracle</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>Amazon RDS for PostgreSQL</p>	<p>(Syniti DR/DBMoto v9.6 and above)</p> <p>Mirroring Source, 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:\Npgsql1.0\Npgsql\bin\ms2.0\Npgsql.dll</p>
<p>Amazon RDS for SQL Server</p>	<p>(Syniti DR/DBMoto v9.6 and above)</p> <p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>Microsoft SQL Server .NET Data Provider (included with .NET Framework)</p> <p>Assembly: System.Data (file name: System.Data.dll)</p>
<p>Firebird v2.0 and later</p>	<p>Mirroring: Target</p> <p>Refresh: Source, Target</p>	<p>Firebird Server for Windows .NET Data Provider Download from Firebird</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>Google Cloud SQL MySQL</p>	<p>(Syniti DR/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</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>Google Cloud SQL PostgreSQL</p>	<p>(Syniti DR/DBMoto v9.6 and above)</p> <p>Mirroring Target</p>	<p>PostgreSQL .NET Data Provider Download via PostgreSQL</p> <p>Assembly: Npgsql (file name: Npgsql.dll)</p> <p>Sample path: C:\Npgsql1.0\Npgsql\bin\ms2.0\Npgsql.dll</p>

	Refresh Source, Target	
Gupta SQL Base v8.5.0 and later	Mirroring/Sync: Source, Target Refresh: Source, Target	Gupta SQLBase .NET Data Provider Download from Gupta Technologies Assembly: Gupta.SQLBase.Data (file name: Gupta.SQLBase.Data.dll) Sample path: Gupta: C:\Program Files\Gupta\SQLBase901\Gupta.SQLBase.Data.dll
IBM Db2 for i (AS/400)	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) Refresh: Source, Target (V3R2 and later)	HiT Ritmo/i .NET Data Provider (distributed with Syniti Data Replication/DBMoto) Assembly: Sql400 (file name: Sql400.dll) Sample path: Ritmo i5\lib\Sql400.dll or C:\Program Files\HiT Software\Ritmo i Server 4.0.0 \lib\Sql400.dll
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 Data Replication/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 Data Replication/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)

		<p>CA .NET Data Provider</p> <p>Assembly: Ca.Ingres.Client (file name: Ca.Ingres.Client.dll)</p>
<p>MariaDB</p>	<p>(Syniti DR/ 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</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>Microsoft Access 97 and later</p>	<p>Mirroring Target</p> <p>Refresh: Source, Target</p>	<p>Microsoft ODBC Driver</p>
<p>Microsoft Azure SQL Database v11 (MS SQL Server 2012) and later. (DBMoto 8.5.1.6 and above)</p>	<p>Mirroring Source, Target</p> <p>Refresh Source, Target</p>	<p>Microsoft SQL Server .NET Data Provider (included with .NET Framework)</p> <p>Assembly: System.Data (file name: System.Data.dll)</p>
<p>Microsoft Azure SQL Server v11 and later</p>	<p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>Microsoft SQL Server .NET Data Provider (included with .NET Framework)</p> <p>Assembly: System.Data (file name: System.Data.dll)</p>
<p>Microsoft SQL Server v7 and later</p>	<p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>Microsoft SQL Server .NET Data Provider (included with .NET Framework)</p> <p>Assembly: System.Data (file name: System.Data.dll)</p>
<p>MySQL v. 4.1.5 and later</p>	<p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>MySQL .NET Data Provider Download from MySQL</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>Oracle v8.1.7 and later</p> <p>From Syniti DR 9.7: Oracle Autonomous Database: Transaction Processing and Data Warehouse</p>	<p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>Oracle .NET Provider</p> <p>Oracle client with Oracle .NET Data Provider</p> <p>Windows 32-bit: Download from Oracle Windows 64-bit: Download from Oracle</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>PostgreSQL v8 and later</p>	<p>Mirroring Source, 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:\Npgsql1.0\Npgsql\bin\ms2.0\Npgsql.dll</p>
<p>Progress OpenEdge (provided by client)</p>	<p>(Syniti DR v9.7 and above)</p> <p>Mirroring Source, Target</p> <p>Refresh Source, Target</p>	<p>Progress DataDirect 7.1 Wire Protocol ODBC driver for OpenEdge. Download the Windows-64 bit or 32-bit version from: https://www.progress.com/datadirect-connectors</p> <p>Assembly: DDOE27 (file name: DDOE27.DLL)</p> <p>Sample Path: C:\Program Files\Progress\DataDirect\Connect64_for_ODBC_71\Drivers\ DDOE27.DLL</p>
<p>SAP ASE v12.5 and later</p>	<p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>Sybase ASE .NET Data Provider (included with SAP ASE)</p> <p>Assembly: Sybase.Data.AseClient (file name: Sybase.Data.AseClient.dll)</p> <p>Sample path: C:\Sybase-ASE\ADONET_1.15.50.0\dll\Sybase.Data.AseClient.dll</p>
<p>SAP SQL Anywhere</p>	<p>Mirroring/Sync: Source, Target</p> <p>Refresh: Source, Target</p>	<p>SQL Anywhere .NET Data Provider (From the SAP Developer Center) https://archive.sap.com/documents/docs/DOC-35857</p> <p>Assembly: Sap.Data.SQLAnywhere.v4.5</p> <p>Sample path: C:\Program Files\SQL Anywhere 17\Assembly\V4.5\Sap.Data.SQLAnywhere.v4.5.dll</p>
<p>UNICOM Global solidDB</p>	<p>Mirroring Target</p> <p>Refresh Source, Target</p>	<p>SolidDB ODBC Driver available from: https://www.teamlblue.unicomsi.com/products/soliddb/</p>
<p>Tibero TmaxSoft</p>	<p>(DBMoto v9.5.1.4 and above)</p> <p>Mirroring Target</p> <p>Refresh Source, Target</p>	<p>TmaxSoft Tibero ODBC driver available for download from the TmaxSoft web site</p>
<p>Analytics/ Data Warehouse</p>	<p>Use</p>	<p>Provider</p>

<p>Action Vector v2.5 and above</p>	<p>Mirroring: Target</p> <p>Refresh: Source,Target</p>	<p>Ingres .NET Data Provider 2.1.1010.46 or later. Download at http://esd.action.com/product/drivers/.Net_Data_Provider/Windows_32-Bit/Net_Data_Provider_GA. Use the 32-bit provider for both 32-bit and 64-bit environments to support bulkinsert</p>
<p>Amazon Redshift</p>	<p>(Syniti DR v9.6 and above)</p> <p>Mirroring: Target</p> <p>Refresh: Source,Target</p>	<p>Amazon Redshift ODBC Driver Download as follows:</p> <ul style="list-style-type: none"> • 32-bit Amazon Redshift (x86): https://s3.amazonaws.com/redshift-downloads/drivers/odbc/1.4.4.1001/AmazonRedshiftODBC32-1.4.4.1001.msi • 64-bit Amazon Redshift (x64): https://s3.amazonaws.com/redshift-downloads/drivers/odbc/1.4.4.1001/AmazonRedshiftODBC64-1.4.4.1001.msi
<p>Greenplum</p>	<p>Syniti DR v9.8.0 and above)</p> <p>Mirroring Target</p> <p>Refresh Source, Target</p>	<p>PostgreSQL .NET Data Provider.</p> <p>Assembly: Npgsql (file name: Npgsql.dll)</p> <p>Sample path: C:\Npgsql-2.2.3-net40\Npgsql.dll The driver DLL has to be installed using the Microsoft Global Assembly Cache Tool (GAC).</p>
<p>IBM PureData for Analytics (Netezza) v6.x and later</p>	<p>Mirroring: Source (Syniti DR/ DBMoto 8.5 or later) Target</p> <p>Refresh: Source, Target</p>	<p>Netezza ODBC Driver Download from http://www-933.ibm.com/support/fixcentral/</p> <p>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</p>
<p>Microsoft Azure Synapse Analytics</p>	<p>(Syniti DR v9.6 and above)</p> <p>Mirroring: Target</p> <p>Refresh: Source,Target</p>	<p>Microsoft SQL Server .NET Data Provider (included with .NET Framework)</p> <p>Assembly: System.Data (file name: System.Data.dll)</p>
<p>SAP HANA</p>	<p>Mirroring/Sync: Source, Target (Syniti DR/ DBMoto 8.1 or later)</p> <p>Refresh: Source,Target (DBMoto 8.1 or later)</p>	<p>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/hana-data-management-suite?sourceid=PPCDevelopers2&url_id=text-crm-xh12-ppc-ppcdbdg4-developeredition search for "Software Downloads" SAP HANA CLIENT Winx86 (32 or 64 bit) SAP HANA ODBC Driver SAP HANA CLIENT Winx86 (32 or 64 bit)</p> <p>Cdata ODBC driver for SAP ERP: For use with a Runtime License (vs Enterprise License) that does not allow direct access to the database. Download from: https://www.cdata.com/drivers/sap/odbc/.</p>

<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 DR 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 a Snowflake documentation link: https://docs.snowflake.net/manuals/user-guide/odbc-download.html</p>
<p>Teradata v13 and later</p>	<p>(Syniti DR/ 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 DR/ DBMoto 8.0.0 or later)</p> <p>Refresh: Source, Target (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 DR v9.6 and above)</p> <p>Mirroring Target</p> <p>Refresh Target</p>	<p>Amazon S3 File Provider (distributed with Syniti Data Replication)</p>
<p>Cassandra</p>	<p>Syniti DR v9.8 and above)</p> <p>Mirroring Target</p> <p>Refresh Source, Target</p>	<p>CData ADO.NET Provider for Cassandra version 21.0.7850 or later, from Cassandra ADO Driver: ADO Driver for Cassandra - CData Software.</p> <p>Assembly: System.Data.CData.Cassandra (file name: System.Data.CData.Cassandra.dll)</p> <p>Sample path: C:\Program Files\CData\CData ADO.NET Provider for Cassandra 2021\lib\4.0\System.Data.CData.Cassandra.dll</p>

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DocumentDB	(Syniti DR v9.6 and above) Mirroring Target Refresh Target	MongoDB .NET Driver Version 2.7.3 or above The latest stable version can be downloaded via: https://github.com/mongodb/mongo-csharp-driver/releases
Google BigQuery	(Syniti DR v9.7 and above) Mirroring: Target Refresh: Target	Google.Cloud.BigQuery.V2 (version 1.4.0) nuget package from: https://www.nuget.org/packages/Google.Cloud.BigQuery.V2/ Follow instructions in the Google BigQuery Setup Guide available in the Help Center
Hadoop Distributed File System (HDFS) V2.6.0 and above	Mirroring Target Refresh Target	Hadoop HDFS Provider (distributed with Syniti DR/DBMoto)
Microsoft Azure Data Lake	(Syniti DR v9.6 and above) Mirroring Target Refresh Target	Azure Data Lake Provider (distributed with Syniti DR) Install nuget packages: 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/ Follow instructions in the Azure Data Lake Setup Guide available in the Help Center
MongoDB Atlas	(Syniti DR v9.6 and above) Mirroring Target Refresh Target	MongoDB .NET Driver Version 2.8.03 or above The latest stable version can be downloaded via: https://github.com/mongodb/mongo-csharp-driver/releases
Message Queue/File	Use	Provider
Microsoft Azure Event Hubs	(Syniti DR v9.8.1 and above) Mirroring Target Refresh Target	WindowsAzure.ServiceBus version 6.2 Install package from: https://www.nuget.org/packages es Follow instructions in the Azure Event Hubs Setup Guide available in the Help Center
Files - CSV	Mirroring Target	For file targets: File Provider (distributed with Syniti Data Replication)

	<p>Refresh (Source Syniti DR 9.8 and above) Source, Target</p>	<p>For file sources: Microsoft Text ODBC Driver, typically available with Microsoft Office packages containing Access, or by installing the Microsoft Access Database Engine 2010 Redistributable.</p>
<p>Files - JSON</p>	<p>(Syniti DR v9.6 and above)</p> <p>Mirroring Target</p> <p>Refresh Target</p>	<p>JSON Provider (distributed with Syniti Data Replication)</p>
<p>Files - XML</p>	<p>(Syniti DR v9.6 and above)</p> <p>Mirroring Target</p> <p>Refresh Target</p>	<p>XML Provider (distributed with Syniti Data Replication)</p>
<p>Kafka</p>	<p>(Syniti DR 9.8.1 and above)</p> <p>Mirroring Target</p> <p>Refresh Target</p>	<p>Kafka Provider (distributed with Syniti Data Replication)</p> <p>Install nuget packages: https://www.nuget.org/packages:Confluent.Kafka 1.7.0 Confluent.SchemaRegistry Confluent.SchemaRegistry.Serdes.Avro</p> <p>Follow instructions in the Kafka Setup Guide available in the Help Center</p>
<p>Kafka - Apache</p>	<p>(Syniti DR v9.6 to Syniti DR v9.8)</p> <p>Mirroring Target</p> <p>Refresh Target</p>	<p>Kafka Provider (distributed with Syniti Data Replication)</p> <p>Install nuget package: Confluent.Kafka.StrongName v1.0.0 from: https://www.nuget.org/packages/Confluent.Kafka.StrongName/</p> <p>Follow instructions in the Kafka Setup Guide available in the Help Center</p>
<p>Kafka – Confluent Cloud</p>	<p>(Syniti DR v9.6 to Syniti DR v9.8)</p> <p>Mirroring Target</p> <p>Refresh Target</p>	<p>Kafka Provider (distributed with Syniti Data Replication)</p> <p>Install nuget package: Confluent.Kafka.StrongName v1.1.0 from: https://www.nuget.org/packages/Confluent.Kafka.StrongName/</p> <p>Follow instructions in the Kafka Setup Guide available in the Help Center</p>
<p>Parquet</p>	<p>(Syniti DR 9.8.1 and above)</p> <p>Mirroring Target</p> <p>Refresh Target</p>	<p>Parquet.NET provider 3.9.0</p> <p>Download from: https://www.nuget.org/packages and search for “Parquet.NET”. From a DOS prompt with admin permissions, execute the following command. nuget install Parquet.Net -Version 3.9.0 -Framework net480 -OutputDirectory "C:\Temp\Parquet 3.9.0"</p> <p>Follow instructions in the Parquet Setup Guide available in the Help Center</p>