**Naming conventions**

There are a few standard naming conventions which apply to all elements in Azure Data factory.

1. Object names must start with a letter or a number, and can contain only letters, numbers, and the dash (-) character.
2. Maximum number of characters in a table name: 260.
3. Object names must start with a letter number, or an underscore (\_).
4. Following characters are not allowed: “.”, “+”, “?”, “/”, “<”, ”>”,”\*”,”%”,”&”,”:”,””

(Microsoft, 2017 [<https://docs.microsoft.com/en-us/azure/data-factory/data-factory-naming-rules>])

**Linked services & Datasets.**

A linked service connects data from a source to a destination (sink), it stands to reason that there would therefore be the same for a data set. Rather than having two separate lists, you will see the below table has a column for **Linked services** and **datasets**.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type** | **Linked Service** | **Name** | **Linked Service** | **Dataset** | **Full** |
| Azure | [Azure Blob storage](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-azure-blob-connector) | ABLB\_ | LS\_ABLB\_ | DS\_ABLB\_ | LS\_ABLB\_Example |
|  | [Azure Data Lake Store](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-azure-datalake-connector) | ADLS\_ | LS\_ADLS\_ | DS\_ADLS\_ | LS\_ADLS\_Example |
|  | [Azure SQL Database](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-azure-sql-connector) | ASQL\_ | LS\_ASQL\_ | DS\_ASQL\_ | LS\_ASQL\_Example |
|  | [Azure SQL Data Warehouse](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-azure-sql-data-warehouse-connector) | ASDW\_ | LS\_ASDW\_ | DS\_ASDW\_ | LS\_ASDW\_Example |
|  | [Azure Table storage](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-azure-table-connector) | ATBL\_ | LS\_ATBL\_ | DS\_ATBL\_ | LS\_ATBL\_Example |
|  | [Azure DocumentDB](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-azure-documentdb-connector) | ADOC\_ | LS\_ADOC\_ | DS\_ADOC\_ | LS\_ADOC\_Example |
|  | [Azure Search Index](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-azure-search-connector) | ASER\_ | LS\_ASER\_ | DS\_ASER\_ | LS\_ASER\_Example |
| Databases | [SQL Server\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-sqlserver-connector) | MSQL\_ | LS\_SQL\_ | DS\_SQL\_ | LS\_SQL\_Example |
|  | [Oracle\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-oracle-connector) | ORAC\_ | LS\_ORAC\_ | DS\_ORAC\_ | LS\_ORAC\_Example |
|  | [MySQL\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-mysql-connector) | MYSQ\_ | LS\_MYSQ\_ | DS\_MYSQ\_ | LS\_MYSQ\_Example |
|  | [DB2\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-db2-connector) | DB2\_ | LS\_DB2\_ | DS\_DB2\_ | LS\_DB2\_Example |
|  | [Teradata\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-teradata-connector) | TDAT\_ | LS\_TDAT\_ | DS\_TDAT\_ | LS\_TDAT\_Example |
|  | [PostgreSQL\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-postgresql-connector) | POST\_ | LS\_POST\_ | DS\_POST\_ | LS\_POST\_Example |
|  | [Sybase\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-sybase-connector) | SYBA\_ | LS\_SYBA\_ | DS\_SYBA\_ | LS\_SYBA\_Example |
|  | [Cassandra\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-cassandra-connector) | CASS\_ | LS\_CASS\_ | DS\_CASS\_ | LS\_CASS\_Example |
|  | [MongoDB\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-on-premises-mongodb-connector) | MONG\_ | LS\_MONG\_ | DS\_MONG\_ | LS\_MONG\_Example |
|  | [Amazon Redshift](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-amazon-redshift-connector) | ARED\_ | LS\_ARED\_ | DS\_ARED\_ | LS\_ARED\_Example |
| File | [File System\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-file-system-connector) | FILE\_ | LS\_FILE\_ | DS\_FILE\_ | LS\_FILE\_Example |
|  | [HDFS\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-hdfs-connector) | HDFS\_ | LS\_HDFS\_ | DS\_HDFS\_ | LS\_HDFS\_Example |
|  | [Amazon S3](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-amazon-simple-storage-service-connector) | AMS3\_ | LS\_AMS3\_ | DS\_AMS3\_ | LS\_AMS3\_Example |
|  | [FTP](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-ftp-connector) | FTP\_ | LS\_FTP\_ | DS\_FTP\_ | LS\_FTP\_Example |
| Others | [Salesforce](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-salesforce-connector) | SAFC\_ | LS\_SAFC\_ | DS\_SAFC\_ | LS\_SAFC\_Example |
|  | [Generic ODBC\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-odbc-connector) | ODBC\_ | LS\_ODBC\_ | DS\_ODBC\_ | LS\_ODBC\_Example |
|  | [Generic OData](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-odata-connector) | ODAT\_ | LS\_ODAT\_ | DS\_ODAT\_ | LS\_ODAT\_Example |
|  | [Web Table (table from HTML)](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-web-table-connector) | WEBT\_ | LS\_WEBT\_ | DS\_WEBT\_ | LS\_WEBT\_Example |
|  | [GE Historian\*](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-odbc-connector#ge-historian-store) | GEHI\_ | LS\_GEHI\_ | DS\_GEHI\_ | LS\_GEHI\_Example |

**Pipelines**

Pipelines are slightly different in that there are two different types. The copy data activity and the data transformation activity.

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Name** | **Action** | **Example** |
| Data movement Activity | PL\_DATA\_ | NA | PL\_DATA\_DS\_SQL\_Person\_To\_DS\_ABLB\_Person |
| Data transformation pipeline | PL\_TRAN\_ | SPRC – Stored Procedure | PL\_TRAN\_SPRC\_CleanDimAccount |
|  | PL\_TRAN\_ | DNET – Script | PL\_TRAN\_DNET\_AggregateSales |
|  | PL\_TRAN\_ | ADLK – Azure Data Lake | PL\_TRAN\_ADLK\_AggregateSales |
|  | PL\_TRAN\_ | HIVE – Hive | PL\_TRAN\_HIVE\_AggregateSales |
|  | PL\_TRAN\_ | PIG – Pig | PL\_TRAN\_PIG\_AggregateSales |
|  | PL\_TRAN\_ | MAPR – MapReduce | PL\_TRAN\_MAPR\_AggregateSales |
|  | PL\_TRAN\_ | HADP – Hadoop Stream | PL\_TRAN\_HADP\_StreamData |
|  | PL\_TRAN\_ | AML – Azure Machine Learning | PL\_TRAN\_AML\_CalculateMonthlyChurn |

ADF Naming Convention

[DECEMBER 23, 2019](https://dnavin.wordpress.com/2019/12/23/adf-naming-convention/)[LEAVE A COMMENT](https://dnavin.wordpress.com/2019/12/23/adf-naming-convention/#respond)

|  |  |  |  |
| --- | --- | --- | --- |
| **Azure** |  |  |  |
|  | Abbreviation | Linked Service | Dataset |
| [Azure Blob Storage](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-blob-storage) | ABLB\_ | LS\_ABLB\_ | DS\_ABLB\_ |
| [Azure Cosmos DB SQL API](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-cosmos-db) | ACSA\_ | LS\_ACSA\_ | DS\_ACSA\_ |
| [Azure Cosmos DB MongDB API](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-cosmos-db-mongodb-api) | ACMA\_ | LS\_ACMA\_ | DS\_ACMA\_ |
| [Azure Data Explorer](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-explorer) | ADEX\_ | LS\_ADEX\_ | DS\_ADEX\_ |
| [Azure Data Lake Storage Gen1](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-lake-store) | ADLS\_ | LS\_ADLS\_ | DS\_ADLS\_ |
| [Azure Data Lake Storage Gen2](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-lake-storage) | ADLS\_ | LS\_ADLS\_ | DS\_ADLS\_ |
| [Azure Database for MariaDB](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-database-for-mariadb) | AMDB\_ | LS\_AMDB\_ | DS\_AMDB\_ |
| [Azure Database for MySQL](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-database-for-mysql) | AMYS\_ | LS\_AMYS\_ | DS\_AMYS\_ |
| [Azure Database for PostgreSQL](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-database-for-postgresql) | APOS\_ | LS\_APOS\_ | DS\_APOS\_ |
| [Azure File Storage](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-file-storage) | AFIL\_ | LS\_AFIL\_ | DS\_AFIL\_ |
| [Azure Search](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-search) | ASER\_ | LS\_ASER\_ | DS\_ASER\_ |
| [Azure SQL Database](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-sql-database) | ASQL\_ | LS\_ASQL\_ | DS\_ASQL\_ |
| [Azure SQL Database Managed Instance](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-sql-database-managed-insance) | ASQM\_ | LS\_ASQM\_ | DS\_ASQM\_ |
| [Azure SQL Data Warehouse](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-sql-data-warehouse) | ASDW\_ | LS\_ASDW\_ | DS\_ASDW\_ |
| [Azure Table Storage](https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-table-storage) | ATBL\_ | LS\_ATBL\_ | DS\_ATBL\_ |
|  |  |  |  |
| **Database** |  |  |  |
|  | Abbreviation | Linked Service | Dataset |
| [SQL Server](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-sqlserver-connector) | MSQL\_ | LS\_SQL\_ | DS\_SQL\_ |
| [Oracle](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-oracle-connector) | ORAC\_ | LS\_ORAC\_ | DS\_ORAC\_ |
| [MySQL](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-mysql-connector) | MYSQ\_ | LS\_MYSQ\_ | DS\_MYSQ\_ |
| [DB2](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-db2-connector) | DB2\_ | LS\_DB2\_ | DS\_DB2\_ |
| [Teradata](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-teradata-connector) | TDAT\_ | LS\_TDAT\_ | DS\_TDAT\_ |
| [PostgreSQL](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-postgresql-connector) | POST\_ | LS\_POST\_ | DS\_POST\_ |
| [Sybase](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-sybase-connector) | SYBA\_ | LS\_SYBA\_ | DS\_SYBA\_ |
| [Cassandra](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-cassandra-connector) | CASS\_ | LS\_CASS\_ | DS\_CASS\_ |
| [MongoDB](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-on-premises-mongodb-connector) | MONG\_ | LS\_MONG\_ | DS\_MONG\_ |
| [Amazon Redshift](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-amazon-redshift-connector) | ARED\_ | LS\_ARED\_ | DS\_ARED\_ |
| [SAP Business Warehouse](https://docs.microsoft.com/en-us/azure/data-factory/v1/data-factory-sap-business-warehouse-connector) | SAPW\_ | LS\_SAPW\_ | DS\_SAPW\_ |
| [SAP HANA](https://docs.microsoft.com/en-us/azure/data-factory/v1/data-factory-sap-hana-connector) | HANA\_ | LS\_HANA\_ | DS\_HANA\_ |
|  |  |  |  |
| **Files** |  |  |  |
|  | Abbreviation | Linked Service | Dataset |
| [File System](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-onprem-file-system-connector) | FILE\_ | LS\_FILE\_ | DS\_FILE\_ |
| [HDFS](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-hdfs-connector) | HDFS\_ | LS\_HDFS\_ | DS\_HDFS\_ |
| [Amazon S3](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-amazon-simple-storage-service-connector) | AMS3\_ | LS\_AMS3\_ | DS\_AMS3\_ |
| [FTP](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-ftp-connector) | FTP\_ | LS\_FTP\_ | DS\_FTP\_ |
| [SFTP](https://docs.microsoft.com/en-us/azure/data-factory/v1/data-factory-sftp-connector) | SFTP\_ | LS\_SFTP\_ | DS\_SFTP\_ |
|  |  |  |  |
| **Divers** |  |  |  |
|  | Abbreviation | Linked Service | Dataset |
| [Salesforce](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-salesforce-connector) | SAFC\_ | LS\_SAFC\_ | DS\_SAFC\_ |
| [Generic ODBC](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-odbc-connector) | ODBC\_ | LS\_ODBC\_ | DS\_ODBC\_ |
| [Generic OData](https://docs.microsoft.com/en-us/azure/data-factory/data-factory-odata-connector) | ODAT\_ | LS\_ODAT\_ | DS\_ODAT\_ |
| [Web Table (table from HTML)](https://docs.microsoft.com/nl-nl/azure/data-factory/connector-web-table) | WEBT\_ | LS\_WEBT\_ | DS\_WEBT\_ |
| [REST](https://docs.microsoft.com/en-us/azure/data-factory/connector-rest) | REST\_ | LS\_REST\_ | DS\_REST\_ |
| [HTTP](https://docs.microsoft.com/en-us/azure/data-factory/connector-http) | HTTP\_ | LS\_HTTP\_ | DS\_HTTP\_ |
|  |  |  |  |
| **Type** | **Name** | **Action** | **Example** |
| Data movement Activity | PL\_DATA\_ | NA | PL\_DATA\_DS\_SQL\_Person\_To\_DS\_ABLB\_Person |
| Data transformation pipeline | PL\_TRAN\_ | SPRC – Stored Procedure | PL\_TRAN\_SPRC\_CleanDimAccount |
|  | PL\_TRAN\_ | DNET – Script | PL\_TRAN\_DNET\_AggregateSales |
|  | PL\_TRAN\_ | ADLK – Azure Data Lake | PL\_TRAN\_ADLK\_AggregateSales |
|  | PL\_TRAN\_ | HIVE – Hive | PL\_TRAN\_HIVE\_AggregateSales |
|  | PL\_TRAN\_ | PIG – Pig | PL\_TRAN\_PIG\_AggregateSales |
|  | PL\_TRAN\_ | MAPR – MapReduce | PL\_TRAN\_MAPR\_AggregateSales |
|  | PL\_TRAN\_ | HADP – Hadoop Stream | PL\_TRAN\_HADP\_StreamData |
|  | PL\_TRAN\_ | AML – Azure Machine Learning | PL\_TRAN\_AML\_CalculateMonthlyChurn |
|  |  |  |  |
| **Activities** |  |  |  |
| Move & Transform | Copy Data | ACT\_MT\_Copy\_ | ACT\_MT\_Copy\_FunctionalPurpose |
|  | Data FloW | ACT\_MT\_DF | ACT\_MT\_DF\_FunctionalPurpose |
| General | Append Variable | ACT\_GEN\_APPVAR | ACT\_GEN\_APPVAR\_FunctionalPurpose |
|  | Delete | ACT\_GEN\_DEL | ACT\_GEN\_DEL\_FunctionalPurpose |
|  | Execute Pipeline | ACT\_GEN\_EPIPE | ACT\_GEN\_EPIPE\_FunctionalPurpose |
|  | Execute SSIS | ACT\_GEN\_ESSIS | ACT\_GEN\_ESSIS\_FunctionalPurpose |
|  | Get Metadata | ACT\_GEN\_META | ACT\_GEN\_META\_FunctionalPurpose |
|  | Lookup | ACT\_GEN\_LKP | ACT\_GEN\_LKP\_FunctionalPurpose |
|  | Stored Procedure | ACT\_GEN\_SPRC | ACT\_GEN\_SPRC\_FunctionalPurpose |
|  | Set Variable | ACT\_GEN\_SETVAR | ACT\_GEN\_SETVAR\_FunctionalPurpose |
|  | Validation | ACT\_GEN\_VALID | ACT\_GEN\_VALID\_FunctionalPurpose |
|  | Web | ACT\_GEN\_WEB | ACT\_GEN\_WEB\_FunctionalPurpose |
|  | WebHook | ACT\_GEN\_WHOOK | ACT\_GEN\_WHOOK\_FunctionalPurpose |
|  | Wait | ACT\_GEN\_WAIT | ACT\_GEN\_WAIT\_FunctionalPurpose |
| Iteration & conditionals | Filter | ACT\_ITRC\_FIL | ACT\_ITRC\_FIL\_FunctionalPurpose |
|  | For Each | ACT\_ITRC\_FOR | ACT\_ITRC\_FOR\_FunctionalPurpose |
|  | If Condition | ACT\_ITRC\_IF | ACT\_ITRC\_IF\_FunctionalPurpose |
|  | Switch | ACT\_ITRC\_SWITCH | ACT\_ITRC\_SWITCH\_FunctionalPurpose |
|  | Until | ACT\_ITRC\_UNTILL | ACT\_ITRC\_UNTILL\_FunctionalPurpose |
| Data Bricks | Notebook | ACT\_ADB\_NOTE | ACT\_ADB\_NOTE\_FunctionalPurpose |
|  | Jar | ACT\_ADB\_JAR | ACT\_ADB\_JAR\_FunctionalPurpose |
|  | Python | ACT\_ADB\_PY | ACT\_ADB\_PY\_FunctionalPurpose |
| Batch Service | Custom | ACT\_BAT\_CUST | ACT\_BAT\_CUST\_FunctionalPurpose |
| Data Lake Analytics | U-SQL | ACT\_ADLA\_CUST | ACT\_ADLA\_CUST\_FunctionalPurpose |
| Azure Function | Azure Function | ACT\_AF\_AF | ACT\_AF\_AF\_FunctionalPurpose |
| HDInsight | Hive | ACT\_HDI\_HIVE | ACT\_HDI\_HIVE\_FunctionalPurpose |
|  | Map Reduce | ACT\_HDI\_MAPR | ACT\_HDI\_MAPR\_FunctionalPurpose |
|  | Pig | ACT\_HDI\_PIG | ACT\_HDI\_PIG\_FunctionalPurpose |
|  | Spark | ACT\_HDI\_SPARK | ACT\_HDI\_SPARK\_FunctionalPurpose |
|  | Streaming | ACT\_HDI\_STREAM | ACT\_HDI\_STREAM\_FunctionalPurpose |
| Machine Learning | ML Batch execution | ACT\_ML\_BATCH | ACT\_ML\_BATCH\_FunctionalPurpose |
|  | ML Update Resource | ACT\_ML\_UPD | ACT\_ML\_UPD\_FunctionalPurpose |
|  | ML Execute Pipeline | ACT\_ML\_EPIPE | ACT\_ML\_EPIPE\_FunctionalPur |