**SSIS Naming conventions**

In 2006 [Jamie Thomson](http://sqlblog.com/blogs/jamie_thomson/) came up with [naming conventions](http://sqlblog.com/blogs/jamie_thomson/archive/2012/01/29/suggested-best-practises-and-naming-conventions.aspx) for SSIS tasks and data flow components. These naming conventions make your packages and logs more readable. Five SQL Server versions and a decade later a couple of tasks and components were deprecated, but there were also a lot of new tasks and components introduced by Microsoft.  
  
Together with Koen Verbeeck ([B](http://sqlkover.com/)|[T](https://twitter.com/Ko_Ver)) and André Kamman ([B](http://andrekamman.com/)|[T](https://twitter.com/AndreKamman)) we extended the existing list with almost 40 tasks/components and created a PowerShell Script that should make it easier to check/force the naming conventions. This PowerShell script will soon be published at [GitHub](https://github.com/psssis/namingconventions/) as a PowerShell module. But for now you can download and test the fully working proof of concept [script](https://github.com/psssis/namingconventions/). Download both ps1 files and the CSV file. Then open "naming conventions v4.ps1" and change the parameters before executing it. The script works with local packages because you can't read individual package from the catalog, but you can use a powershell script to [download](http://microsoft-ssis.blogspot.com/2016/04/get-packages-from-ssis-catalog.html) your packages from the catalog.

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| [https://4.bp.blogspot.com/--T3updj35ds/WECS1ncGCEI/AAAAAAAAER8/NwIf6o2AvyEgC9T8ebbV5bMD9lZ5IvfqQCLcB/s640/NamingConventions.gif](https://4.bp.blogspot.com/--T3updj35ds/WECS1ncGCEI/AAAAAAAAER8/NwIf6o2AvyEgC9T8ebbV5bMD9lZ5IvfqQCLcB/s1600/NamingConventions.gif) |
| PowerShell Naming Conventions Checker |

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| --- | --- | --- | --- |
| **Task name** | **Prefix** | **Type** | **New** |
| For Loop Container | FLC | Container |  |
| Foreach Loop Container | FELC | Container |  |
| Sequence Container | SEQC | Container |  |
| ActiveX Script | AXS | Task |  |
| Analysis Services Execute DDL Task | ASE | Task |  |
| Analysis Services Processing Task | ASP | Task |  |
| Azure Blob Download Task | ADT | Task | \* |
| Azure Blob Upload Task | AUT | Task | \* |
| Azure HDInsight Create Cluster Task | ACCT | Task | \* |
| Azure HDInsight Delete Cluster Task | ACDT | Task | \* |
| Azure HDInsight Hive Task | AHT | Task | \* |
| Azure HDInsight Pig Task | APT | Task | \* |
| Back Up Database Task | BACKUP | Task | \* |
| Bulk Insert Task | BLK | Task |  |
| CDC Control Task | CDC | Task | \* |
| Check Database Integrity Task | CHECKDB | Task | \* |
| Data Flow Task | DFT | Task |  |
| Data Mining Query Task | DMQ | Task |  |
| Data Profiling Task | DPT | Task | \* |
| Execute Package Task | EPT | Task |  |
| Execute Process Task | EPR | Task |  |
| Execute SQL Server Agent Job Task | AGENT | Task | \* |
| Execute SQL Task | SQL | Task |  |
| Execute T-SQL Statement Task | TSQL | Task | \* |
| Expression Task | EXPR | Task |  |
| File System Task | FSYS | Task |  |
| FTP Task | FTP | Task |  |
| Hadoop File System Task | HFSYS | Task | \* |
| Hadoop Hive Task | HIVE | Task | \* |
| Hadoop Pig Task | PIG | Task | \* |
| History Cleanup Task | HISTCT | Task | \* |
| Maintenance Cleanup Task | MAINCT | Task | \* |
| Message Queue Task | MSMQ | Task |  |
| Notify Operator Task | NOT | Task | \* |
| Rebuild Index Task | REBIT | Task | \* |
| Reorganize Index Task | REOIT | Task | \* |
| Script Task | SCR | Task |  |
| Send Mail Task | SMT | Task |  |
| Shrink Database Task | SHRINKDB | Task | \* |
| Transfer Database Task | TDB | Task |  |
| Transfer Error Messages Task | TEM | Task |  |
| Transfer Jobs Task | TJT | Task |  |
| Transfer Logins Task | TLT | Task |  |
| Transfer Master Stored Procedures Task | TSP | Task |  |
| Transfer SQL Server Objects Task | TSO | Task |  |
| Update Statistics Task | STAT | Task | \* |
| Web Service Task | WST | Task |  |
| WMI Data Reader Task | WMID | Task |  |
| WMI Event Watcher Task | WMIE | Task |  |
| XML Task | XML | Task |  |
|  |  |  |  |
| **Transformation name** | **Prefix** | **Type** | **New** |
| ADO NET Source | ADO\_SRC | Source | \* |
| Azure Blob Source | AB\_SRC | Source | \* |
| CDC Source | CDC\_SRC | Source | \* |
| DataReader Source | DR\_SRC | Source |  |
| Excel Source | EX\_SRC | Source |  |
| Flat File Source | FF\_SRC | Source |  |
| HDFS File Source | HDFS\_SRC | Source | \* |
| OData Source | ODATA\_SRC | Source | \* |
| ODBC Source | ODBC\_SRC | Source | \* |
| OLE DB Source | OLE\_SRC | Source |  |
| Raw File Source | RF\_SRC | Source |  |
| SharePoint List Source | SPL\_SRC | Source |  |
| XML Source | XML\_SRC | Source |  |
| Aggregate | AGG | Transformation |  |
| Audit | AUD | Transformation |  |
| Balanced Data Distributor | BDD | Transformation | \* |
| Cache Transform | CCH | Transformation | \* |
| CDC Splitter | CDCS | Transformation | \* |
| Character Map | CHM | Transformation |  |
| Conditional Split | CSPL | Transformation |  |
| Copy Column | CPYC | Transformation |  |
| Data Conversion | DCNV | Transformation |  |
| Data Mining Query | DMQ | Transformation |  |
| Derived Column | DER | Transformation |  |
| DQS Cleansing | DQSC | Transformation | \* |
| Export Column | EXPC | Transformation |  |
| Fuzzy Grouping | FZG | Transformation |  |
| Fuzzy Lookup | FZL | Transformation |  |
| Import Column | IMPC | Transformation |  |
| Lookup | LKP | Transformation |  |
| Merge | MRG | Transformation |  |
| Merge Join | MRGJ | Transformation |  |
| Multicast | MLT | Transformation |  |
| OLE DB Command | CMD | Transformation |  |
| Percentage Sampling | PSMP | Transformation |  |
| Pivot | PVT | Transformation |  |
| Row Count | CNT | Transformation |  |
| Row Sampling | RSMP | Transformation |  |
| Script Component | SCR | Transformation |  |
| Slowly Changing Dimension | SCD | Transformation |  |
| Sort | SRT | Transformation |  |
| Term Extraction | TEX | Transformation |  |
| Term Lookup | TEL | Transformation |  |
| Union All | ALL | Transformation |  |
| Unpivot | UPVT | Transformation |  |
| ADO NET Destination | ADO\_DST | Destination | \* |
| Azure Blob Destination | AB\_DST | Destination | \* |
| Data Mining Model Training | DMMT\_DST | Destination |  |
| Data Streaming Destination | DS\_DST | Destination | \* |
| DataReaderDest | DR\_DST | Destination |  |
| Dimension Processing | DP\_DST | Destination |  |
| Excel Destination | EX\_DST | Destination |  |
| Flat File Destination | FF\_DST | Destination |  |
| HDFS File Destination | HDFS\_DST | Destination | \* |
| ODBC Destination | ODBC\_DST | Destination | \* |
| OLE DB Destination | OLE\_DST | Destination |  |
| Partition Processing | PP\_DST | Destination |  |
| Raw File Destination | RF\_DST | Destination |  |
| Recordset Destination | RS\_DST | Destination |  |
| SharePoint List Destination | SPL\_DST | Destination |  |
| SQL Server Compact Destination | SSC\_DST | Destination | \* |
| SQL Server Destination | SS\_DST | Destination |  |

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| <https://2.bp.blogspot.com/-sVXW6J3HD9c/WECYQNv_NFI/AAAAAAAAESM/wn-t-LLXGZMe1BV1V4jb8iQrFd2B9r9LgCLcB/s1600/namingconventions01.png> |
| Example of the prefixes |