# Data Framework – Logging

# Conceptual Model

* Make use of the SQL Server log provider which writes to the sysssislog table on the server on which the package is to be run.
* By using a Parent SSIS logging package and SSIS’s logging inheritance, logging configuration can be passed down to child packages.
* Have a job on the Data Framework (DF) server which scans the sysssislog table on the relevant server and copies records across applying relevant metadata to records.
* Have a job running on the DF server which scans the logging table and fires any alerts for issues encountered.
* Using the StartTime and EndTime event properties the duration of the package can be calculated and compared to an expected duration previously captured within the table.

## Events to be captured

* OnError- Writes a log entry when an error occurs.
* OnExecStatusChanged -Writes a log entry when a task (not a container) is suspended or resumed during debugging.
* OnPostExecute - Writes a log entry immediately after the executable has finished running.
* OnTaskFailed - Writes a log entry when a task fails.
* OnWarning - Writes a log entry when a warning occurs.

## Event properties to be captured

* Computer
* Operator
* SourceName
* SourceID
* ExecutionID
* MessageText
* StartTime
* EndTime
* DataCode

## Research









