

# Optimizing your ETL DataFlows: A checklist

Is your DataFlow running slow? Here are some things you can do to ensure your DataFlow runs efficiently.

Only include DataSets in your DataFlow that are necessary for the output DataSet.

Filter out rows you don't need

Reduce the number of columns to only those you need

Be aware that some actions take longer than others, including:

- Groupby
- Join data
- Remove duplicates
- Collapse columns
- Uncollapse columns
- Rank and window