

# eBI ETL (3.0) Framework

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*Version 1.0*

## **eBI ETL (3.0) Framework**

**The current eBI ETL (3.0) Framework includes the following features:**

- Checkpoints (replaced with custom restart ability for Failed Data Loads)
- Transactions (replaced with custom rollback for partial data loads)
- Reload Counts to Track the Number of Times a Data Load Failed before a Successful Load
- SQL Server Instances for scalability (eConsolidation, eDW, and eStar)
- Database synonyms for scalability with framework databases (eLogging, eStaging, eAudit, eDW, and eAnalytics)
- New tblDate function that creates a Calendar Year and Fiscal Calendar with a Manual Holiday Calendar
- eLogging
  - Batch Logging
    - SSIS Project Name (to log multiple SSIS projects)
    - Start Time and End Time
    - ExecutionID (for reload counts, restart ability, and rollback)
  - Package Logging
    - Package Version,Package Error Package Task
    - Package PreExecute, Package PostExecute, and Package Variable Change
    - Start Time, End Time, and LoadDate
  - Table Logging
    - Start Time and End Time, and LoadDate
    - Row Counts (SSIS Packages and TSQL Stored Procedures need updating to use this feature)
  - Table Branch Logging (not using)
    - Start Time and End Time
    - Row Count and LoadDate
  - Cube Processing Logging (not using)
    - Start Time and End Time
    - Process Type and LoadDate
  - Package Last Run (Stored Procedure used for Delta Loads)
  - ETL Flat File Log (not using)
  - OLAP Query Log (not using)
  - SYSSISLOG (trouble shooting only)
- eConfiguration
  - Parent Package Variable
  - SMTP Connection
  - Email Configurations
- OnError Email Notification (Alerts)
- SSIS Logging (not enabled unless we need to trouble shoot due to performance implications)
- SSIS Package Templates (Template\_Master, Template\_Mater\_eStage, and Template\_Package)