

DaFoDiL® Language

The DaFoDiL® data format description language was developed to provide a mechanism for building interfaces that separate the source of data from actual executable code. Designed as a programmer's tool, the DaFoDiL® language allows a developer to write an application without advance knowledge of the format of input data. The developer only needs to know the name that the DaFoDiL® language will assign to a particular data item and the name of the input source.

During processing, when a value is needed that is controlled by the DaFoDiL® engine, the engine will take the data name and source name and return the appropriate value. This functionality and concept is similar to the database construction where the format and location of the storage of data is kept separate from the application code and is not needed by the programmer.

Currently, our DaFoDiL® engine will read information from any record, form, or X12 format. BitInc Systems currently has several applications that are using the DaFoDiL® language. These include the Claims-2-eLoad™, Claims-2-Payer™, Claims WorkBench™, and Claims-2-XML™ systems. Each of these applications can add new source data formats or new output formats without requiring modification of the application code by the simple process of "registering" in the DaFoDiL® language. The typical time to "register" a new format is less than one hour. The DaFoDiL® language changes the time to update an application from weeks and months to hours and days.

The DaFoDiL® data format description language provides the following advantages:

- Applications **independent** of data source or output formats
- Read or Write **X12 formats**
- Read or Write any **Form formats**
- Read or Write any **Record formats**
- Add special **script processing** outside of the application
- **Reduce time** to incorporate new data formats
- Add new formats by using **support personnel**

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