

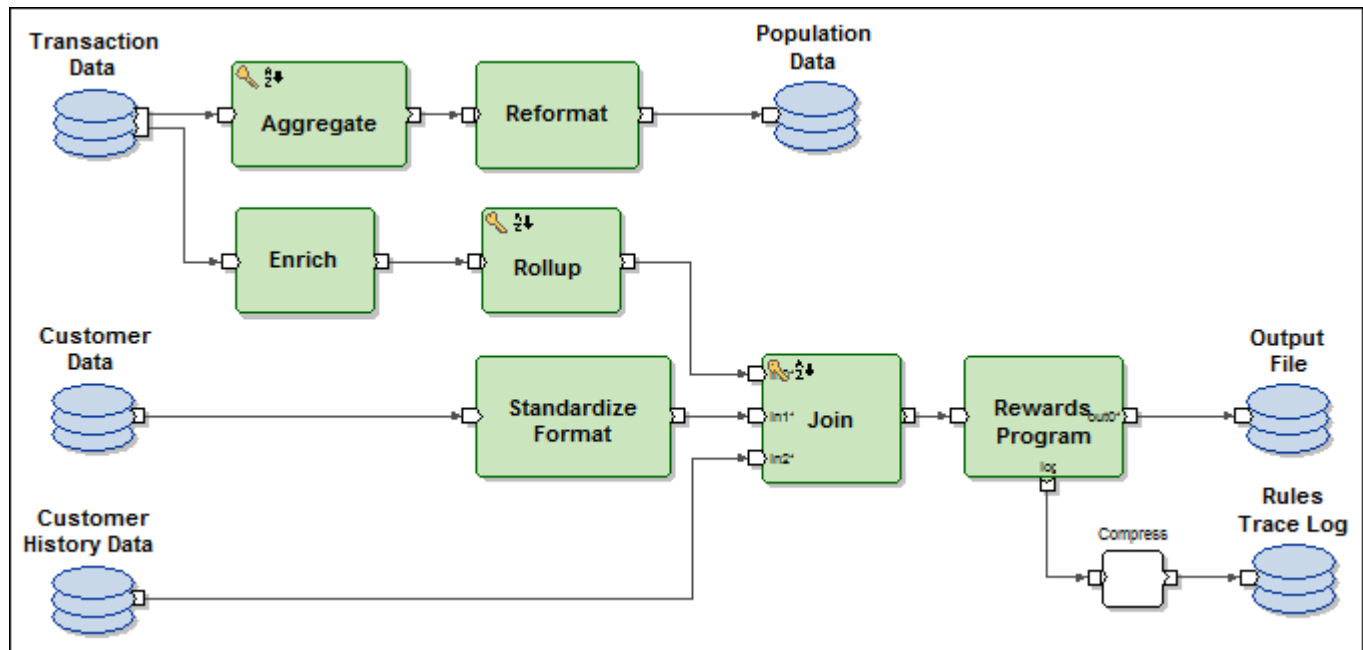


# Co>Operating System

The Co>Operating System is the foundation for all Ab Initio technologies, including the Enterprise Meta>Environment, [Continuous>Flows](#), Conduct>It, Express>It, and more. These technologies provide a complete and seamless environment for developing and executing applications.

The heart of the Co>Operating System is a dataflow engine. This engine drives a large library of data processing components that manipulate the data flowing through an application. Applications are designed, implemented, and maintained graphically through the Graphical Development Environment (GDE).

In the GDE, you select the appropriate components from an extensive library to represent the data sources, the processing steps, and the data targets. With components connected, the completed graph represents the flow of data from beginning to end:



The Co>Operating System then executes the graph, taking care of such details as the following:

- Managing all connections between the processors or computers that execute various parts of the graph
- Transferring data from one component to the next
- Transferring data from one processor or computer to another
- Managing phases, if the graph uses them
- Restoring the graph to its state at the last completed checkpoint in case of a failure
- Writing (and removing) temporary files

In short, the Co>Operating System manages all aspects of execution of the graph.

The Co>Operating System is the base software for the entire Ab Initio architecture. Because all Ab Initio technologies incorporate the Co>Operating System in one way or another, they form a consistent and seamless platform for building robust, fast, reliable data-processing applications, and for managing the data and metadata surrounding those applications.

## For more about this software

See the [Co>Operating System](#) Help.

