8. The method of claim 7, wherein the given component outputs the error log to an error handler component, wherein the error handler component transmits to a rollback component a message based on the error log, and wherein the rollback component, using the message, returns a state of the dataflow graph to a state in which the at least one of the plurality of components is being executed and in which the one or more of the input records that were last successfully processed by the at least one of the plurality of components are being processed by the at least one of the plurality of components.

9. One or more machine-readable hardware storage devices for executing a dataflow graph that processes one or more data records representing a transaction, with the dataflow graph including a plurality of components and links, with a component representing a computation applied to one or more input records to process the one or more input records, with an input record having a specified relationship to the one or more data records representing the transaction, and with the links connecting the components and representing flows of data among the components, the one or more machine-readable hardware storage devices storing instructions that are executable by one or more processing devices to perform operations including:

executing the dataflow graph that includes the plurality of components and the links, with a given component of the plurality including an input port, an audit port and an output port;

wherein the input port is for receiving one or more input records with a specified relationship to the one or more data records representing the transaction;

wherein the audit port is for providing audit data describing at least a portion of the transaction;

wherein the output port is for providing one or more output records;

wherein at least one of the components is configured to execute prior to execution of the given component;

processing, by the dataflow graph with the components and the links, the one or more data records representing the transaction, wherein the at least one of the components saves a state specifying one or more input records that are processed by the at least one of the components;

when an error occurs during processing of one or more input records by the given component,

restoring a state of the at least one of the components to the saved state; and