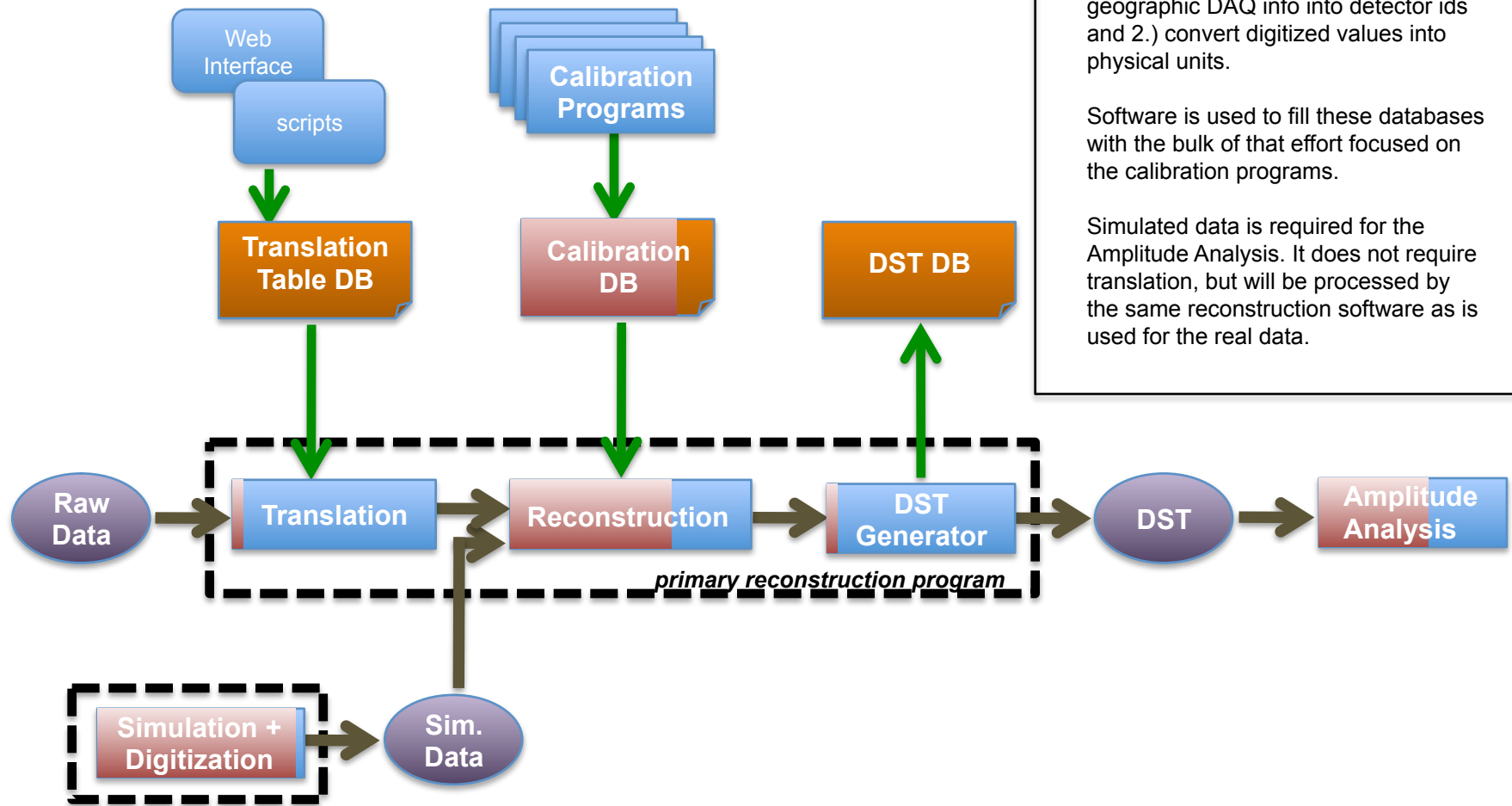


Rough Diagram of GlueX Software



The software effort centers around *reconstruction* where a large fraction of the effort is spent.

Reconstruction requires inputs from databases to 1.) translate the geographic DAQ info into detector ids and 2.) convert digitized values into physical units.

Software is used to fill these databases with the bulk of that effort focused on the calibration programs.

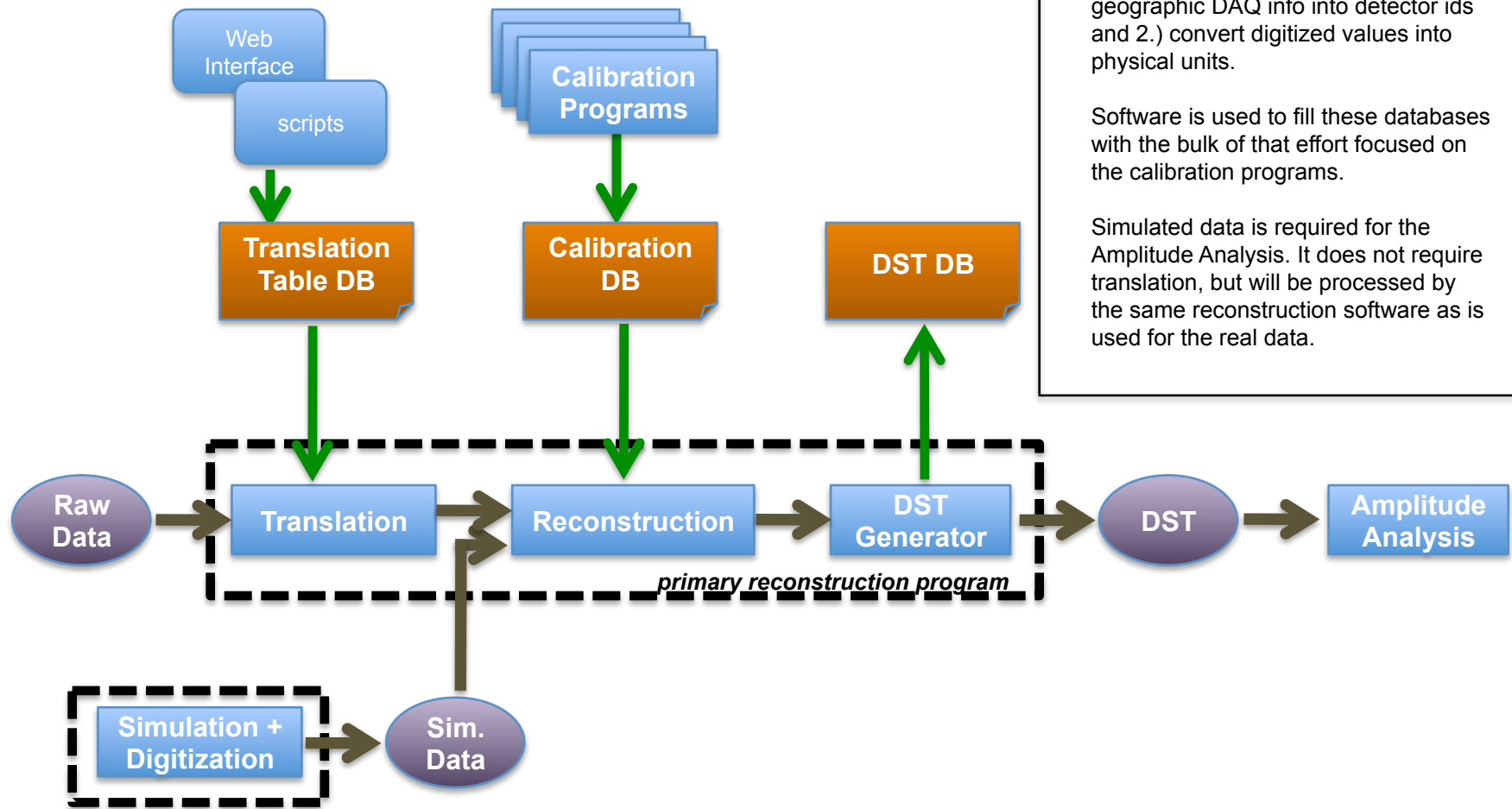
Simulated data is required for the Amplitude Analysis. It does not require translation, but will be processed by the same reconstruction software as is used for the real data.

- Configuration DB
- Conditions DB

The configuration DB will hold information used to configure the online systems prior to data taking. The conditions DB will have values read from the online systems streamed into it during data taking.

For simplicity, not all connections are shown. (e.g. arrow from "Raw Data" to "Calibration Programs")

Rough Diagram of GlueX Software



The software effort centers around *reconstruction* where a large fraction of the effort is spent.

Reconstruction requires inputs from databases to 1.) translate the geographic DAQ info into detector ids and 2.) convert digitized values into physical units.

Software is used to fill these databases with the bulk of that effort focused on the calibration programs.

Simulated data is required for the Amplitude Analysis. It does not require translation, but will be processed by the same reconstruction software as is used for the real data.

Configuration DB The configuration DB will hold information used to configure the online systems prior to data taking. The conditions DB will have values read from the online systems streamed into it during data taking.

Conditions DB

For simplicity, not all connections are shown. (e.g. arrow from "Raw Data" to "Calibration Programs")

Rough Diagram of GlueX Software

Blue boxes are sized proportional to total estimated manpower with the exception of the *Web Interfaces* and *scripts* boxes.

Orange and purple object sizes are arbitrary.

