

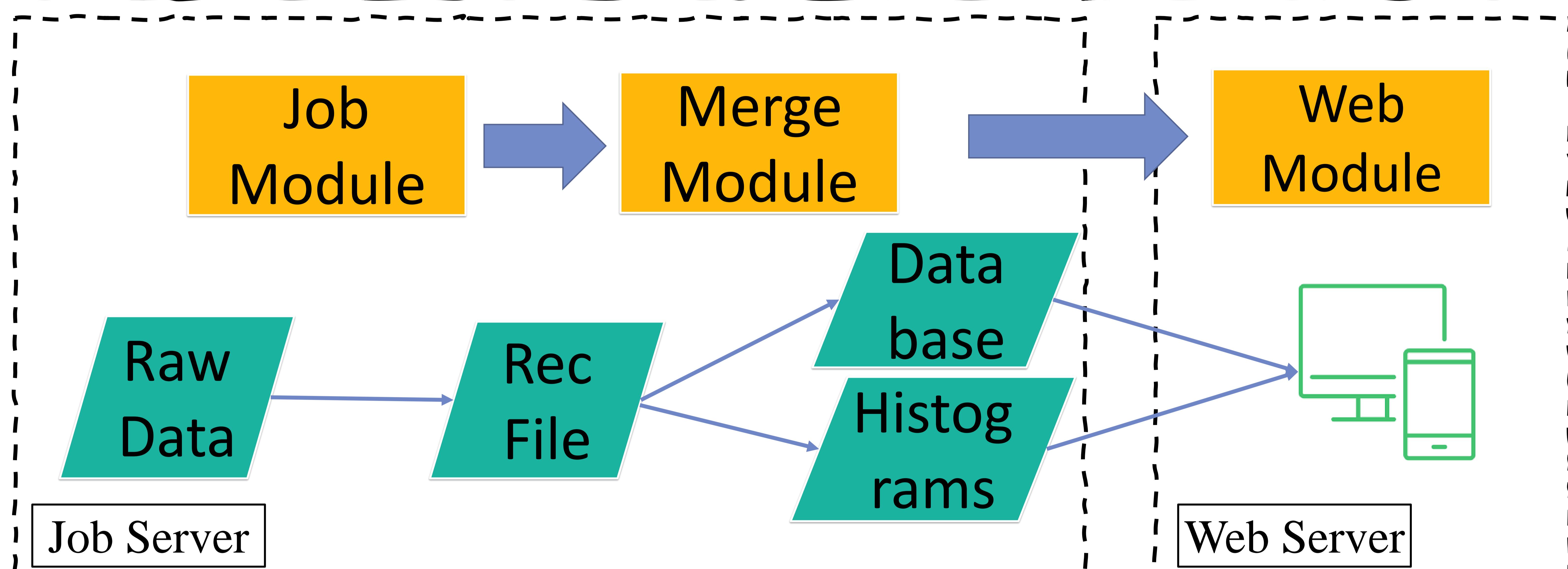
Data Quality Monitoring for the JUNO Experiment

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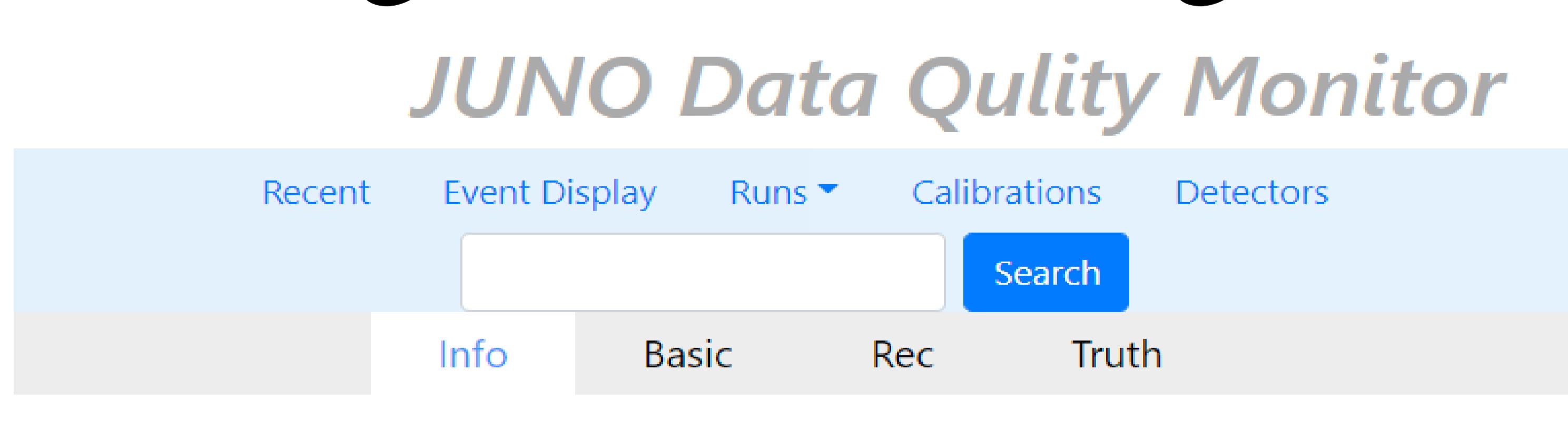
JUNO DQM Server

- Job Server: job submission, inside the firewall, database, using the most recent calibration parameters for reconstruction
- Web Server: web browsing, accessible from the internet



JUNO DQM Web Interface

- Query by run ID
- Job status, start/stop time information, file numbers, event numbers
- Most recent run ID information
- Histogram from merged files



Job processing status	ALL Rec Completed!
Run start time	2022-10-12 00:32:52
Run stop time	2022-10-12 00:56:09
Event Number	10000
Files	10

JUNO DQM Computing

- ~1000 CPU cores and disk storage, network
- Event rate 1 kHz, 60 MB/s, 60 kB/event in raw data
 - 5 GB / raw data file
 - ~ 80 k events / file
 - ~ 80 s data taking
- If using 8 threads & sampling 20% events, reconstruct 1 raw data file in ~ 1 hour

