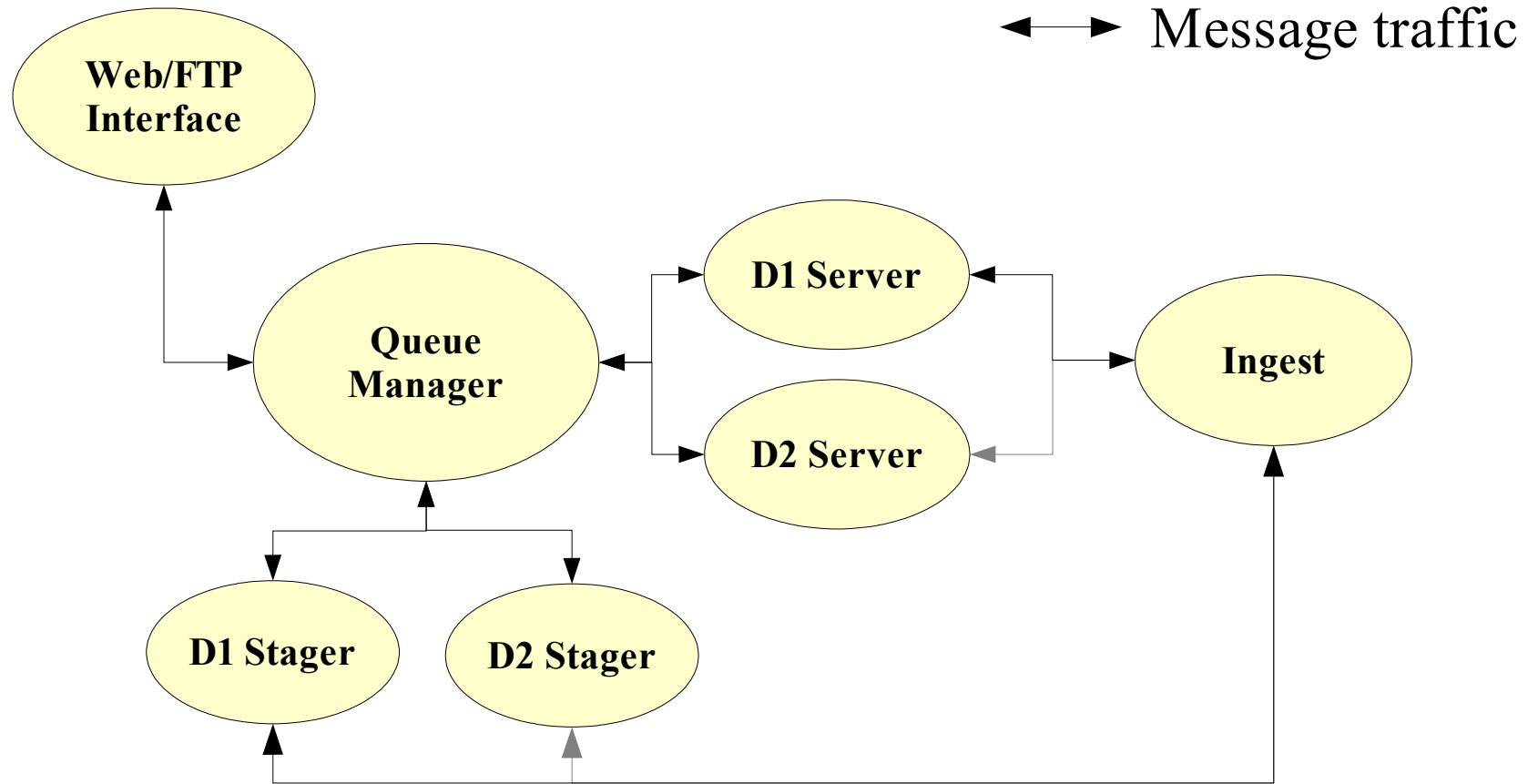


D1/D2 Code Review

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System Architecture



System Components

- **Web interface** — User interface to enter queries and retrieve results
- **Queue Manager** — Handles scheduling of queries and passes messages between the other components
- **Database Server** — Main Database search engine which performs the actual searches
- **Database Stager** — Prepares the data for delivery to user and places data on the FTP site
- **Database Ingest** — Prepares level 1 data for ingest into the database and initiates ingest process

System Specifications

- Database is designed to consist of several different components running on separate computers
- Each component operates independent of the others
- Communication through TCP/IP sockets
- Messages passed between components for communications -
http://glast.gsfc.nasa.gov/ssc/dev/db_utils/messages.html

U1/U3 Web Interface

- The web page for the D1/D2 database access is now online at
<http://glast.gsfc.nasa.gov/cgi-bin/ssc/U1/D1WebQuery.cgi>

Prototype Web Interface

GLAST Event

Which database do you want to query?

Database: Photon and

Database Selection (D1/D2/Both)

Do you want to search around a position?

Coordinates Enter in OMF rA and Dec, comma separated.

Area

Note: Box and Ellipse searches have been temporarily disabled.

Area Cut (RA/Dec + radius)

For the circle, enter in the radius in degrees.
For a Rectangle, enter in the length, width, and rotation, comma separated in degrees.
For an ellipse, enter in the semi-major axis, semi-minor axis, and rotation, comma separated in degrees.
Rotation is defined astronomically. Zero degrees is north, positive angles are to the east.

...and/or search by time?

Time:

For Gregorian dates, please enter in the format DD-MM-YYYY HH:MM:SS, with the start and (optional) end time separated by commas.

Enter the start and (optional) end MJD in the form MMMMMm.mmmmm,MMMMM.mmmm

If you would like to search from the beginning of the mission, put in START instead of a start value.

If you would like to search up until the most recent point, put in END instead of an end value.

If you do not enter anything, it will return results from the past 6 months.

Time cut (MJD or Gregorian)

Click to Submit

...and/or search by energy?

Energy:

Energy cut (MeV)

Enter in the minimum and (optional) maximum energy, separated by a comma.

Results Page



GLAST Event

Your query was successful!

GLAST Event Data

ftp://legacy.gsfc.nasa.gov/glast/U1WEB1015128183161558223133_D1_results.fits

D1 Data

GLAST Spacecraft Data

ftp://legacy.gsfc.nasa.gov/glast/U1WEB1015128183161558223133_D2_results.fits

D2 Data

These file(s) will remain on the public FTP server for approximately 30 days. Please retrieve them as soon as possible. For future reference, your query ID is **U1WEB1015128183161558223133**

Thank you!
-The GLAST SSC Team

Query ID

