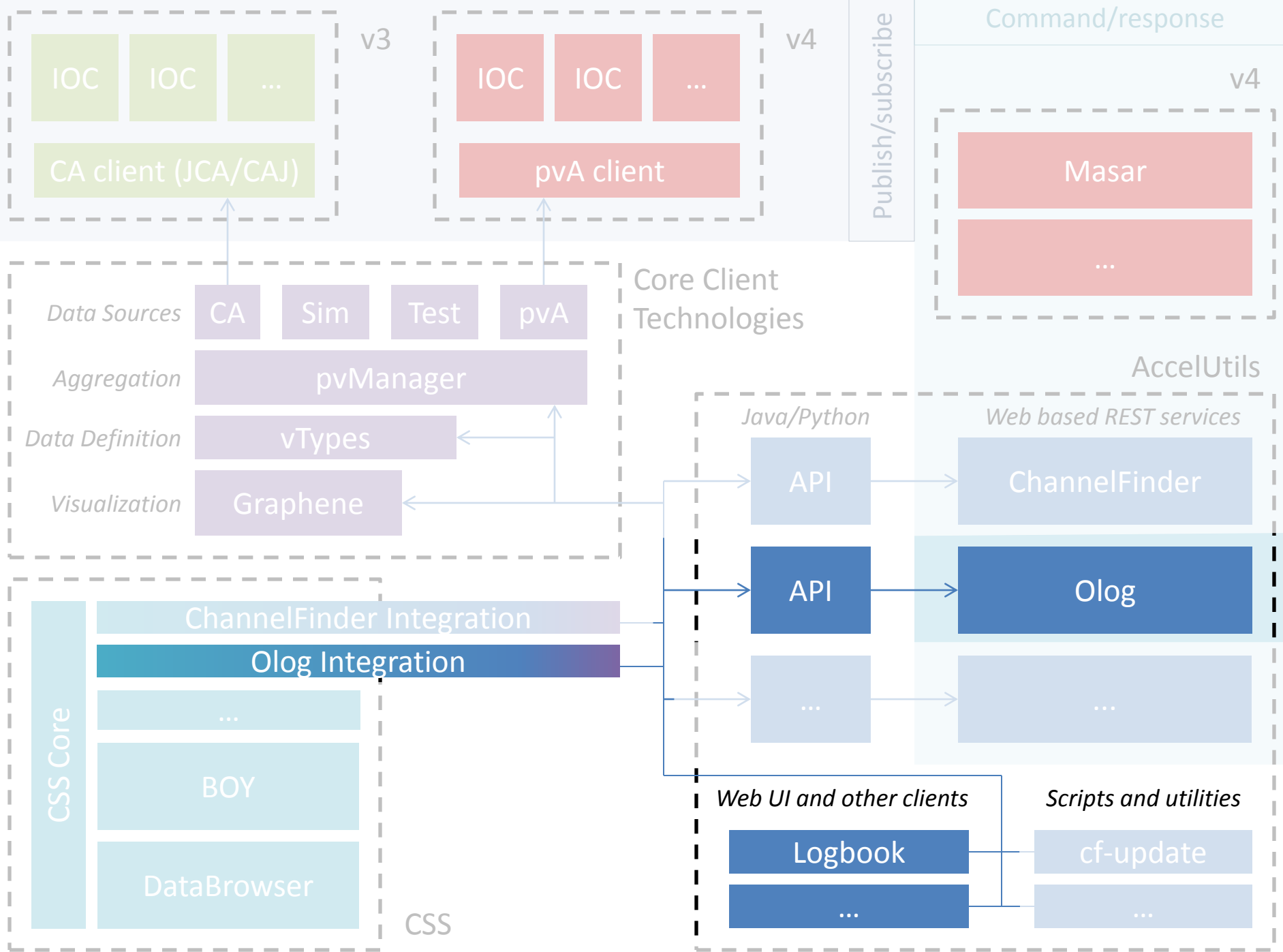


# Olog: Online Logbook

Kunal Shroff – BNL

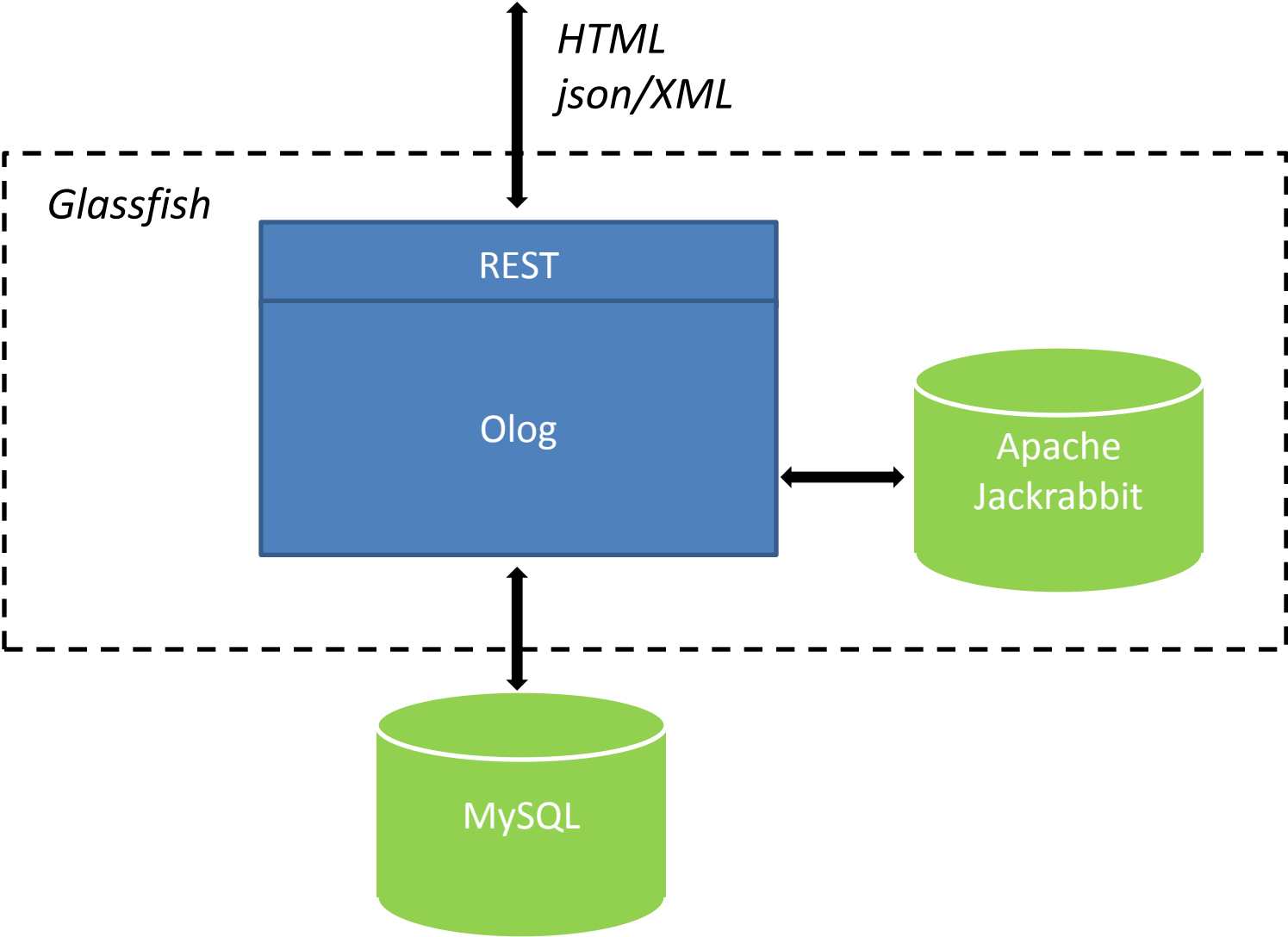
Eric Berryman, Robert Gaul – MSU



# Motivation

- Create and modify logbook entries.
- Organize entries using multiple logbooks, tags and properties.
- Support attachments.
- Search
- Integration with other tools/service
  - Physics Data
  - Save Restore
  - CSS
  - .....

# Architecture



# Getting Started

Olog-service - Install a x

← → ↻ olog.sourceforge.net/olog/installation.html

## Olog

Last Published: 2012-04-12 | Version: 2.1.1

EPICS

**Olog-service**  
Overview  
Download  
Installation  
Project Documentation  
Project Information  
Project Reports

Built by Maven

### Installation

Olog is a Java EE5 REST-style web service. The directory data is held in a relational database, and authentication/authorization info as well as the user/group relations are taken from an LDAP server or Unix "id".

### Prerequisites

- Glassfish v3 application server
- SQL database with JDBC driver, e.g. MySQL
- LDAP server, e.g. OpenLDAP or unix "id"

### Installation Process

#### Install Glassfish v3

Download and install Glassfish v3 from [java.net](http://java.net) following the instructions for your platform.

#### Install MySQL and JDBC Drivers

- If your site is running a MySQL server, you can skip the next step, and have the database manager create the olog tables and user for you.
- Download and install MySQL from [MySQL.com](http://MySQL.com) following the instructions for your platform.  
*Alternatively:* Install the MySQL server from your distribution using a package manager.
- Create the olog tables using the `sql/olog.sql` script in the distribution tar. Unless you are running the MySQL server locally on your machine with access restricted to localhost, it is strongly advisable to create a user for the Olog service and give it sufficient rights on the olog database. Having the Olog service access the database as root is a possible security hole.
- Download the JDBC driver from [MySQL.com](http://MySQL.com). Extract the driver `mysql-connector-java-<n>.<n>-bin.jar` from the archive and drop it into `GLASSFISH_HOME/lib`.

#### Create the Database Connection

- Start your Glassfish application server (through Netbeans or by running `asadmin start-domain domain1 (asadmin.bat on Windows)` inside `GLASSFISH_HOME/bin`).
- Login to the Glassfish admin console (default: `http://localhost:4848`). The default user and password are "admin" / "adminadmin".
- Open "Common Tasks" / "Resources" / "JDBC" / "Connection Pools".
- Create a new Connection Pool called "OlogPool", selecting "javax.sql.ConnectionPoolDataSource" as your "Resource Type" and "MySQL" as "Database vendor".
- Fill in the details according to your MySQL installation. Minimum are:
  - Server Name (e.g. "localhost")
  - Database Name ("olog")
  - User Name (for access to olog, as set in MySQL)
  - Password (for that user name, as set in MySQL)
- After finishing, click on the Connection Pool you just created. If you configured the pool correctly, clicking "Ping" will return a "Ping Succeeded" message.
- Open "Common Tasks" / "Resources" / "JDBC" / "JDBC Resources".
- Create a new JNDI resource called "jdbc/olog", selecting the Connection Pool you just created.

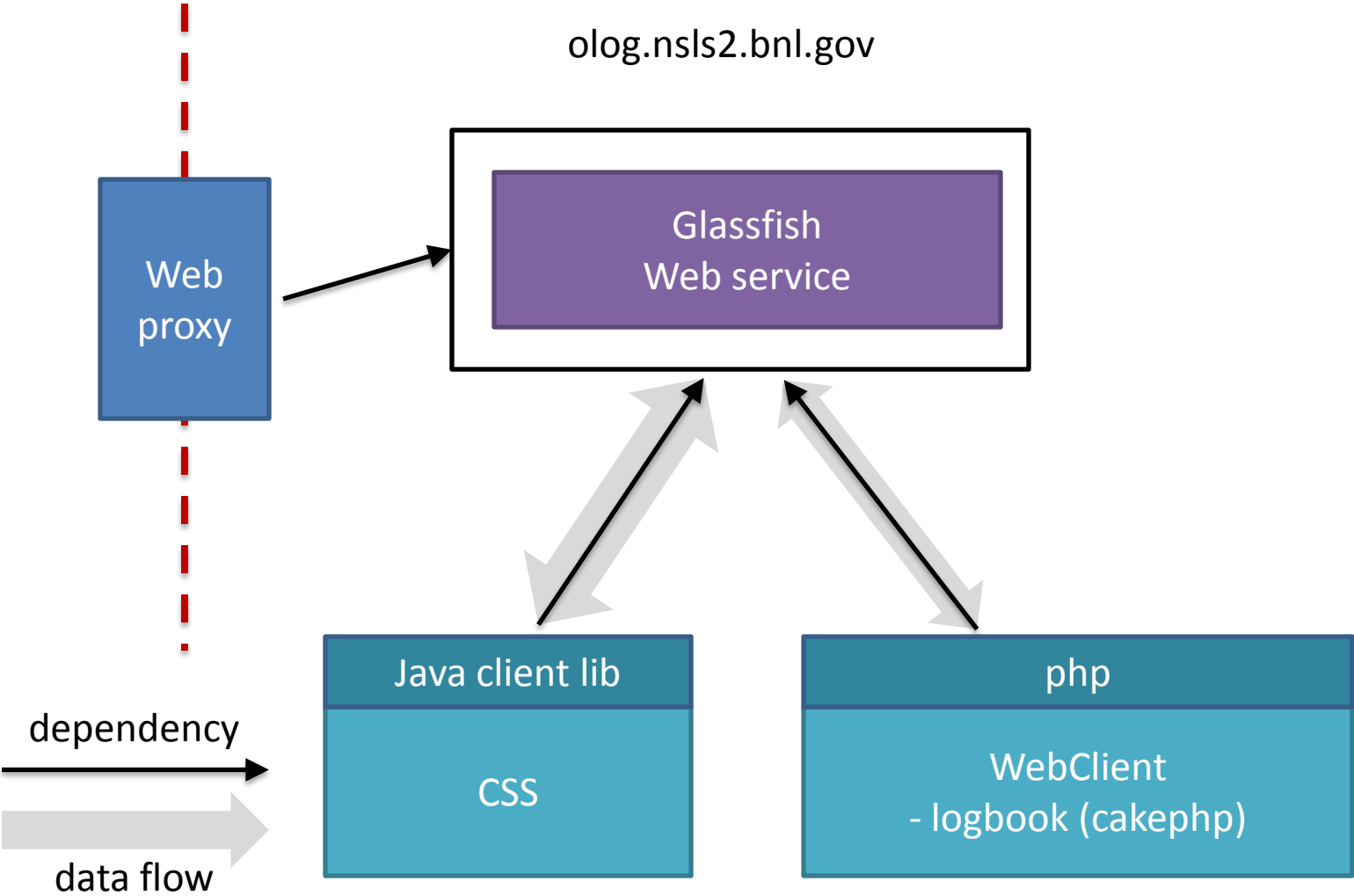
2:02 PM  
4/19/2012

# Installation

- Download and Install glassfish
- Download and Install MySQL
- Download the Olog
  - Run olog.sql scrip to create database
  - Drop the olog.war into autodeploy folder of glassfish
  - Create JDBC connection pool resource

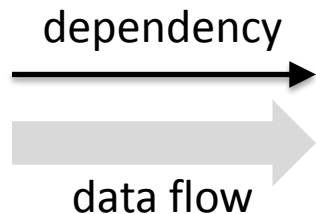
# Olog at BNL

olog.nsls2.bnl.gov



# Olog Service

olog.nsls2.bnl.gov

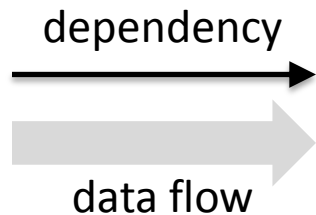
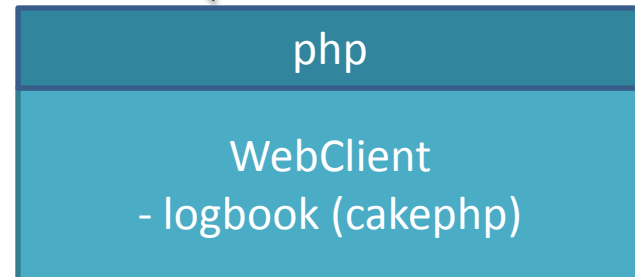
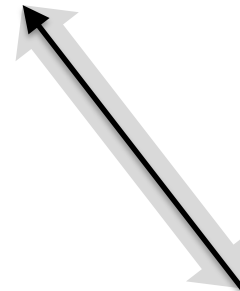


- Create and modify logbook entries with multiple logbooks, tags, properties and attachment.
- Search for entries



# Olog webclient

olog.nsls2.bnl.gov

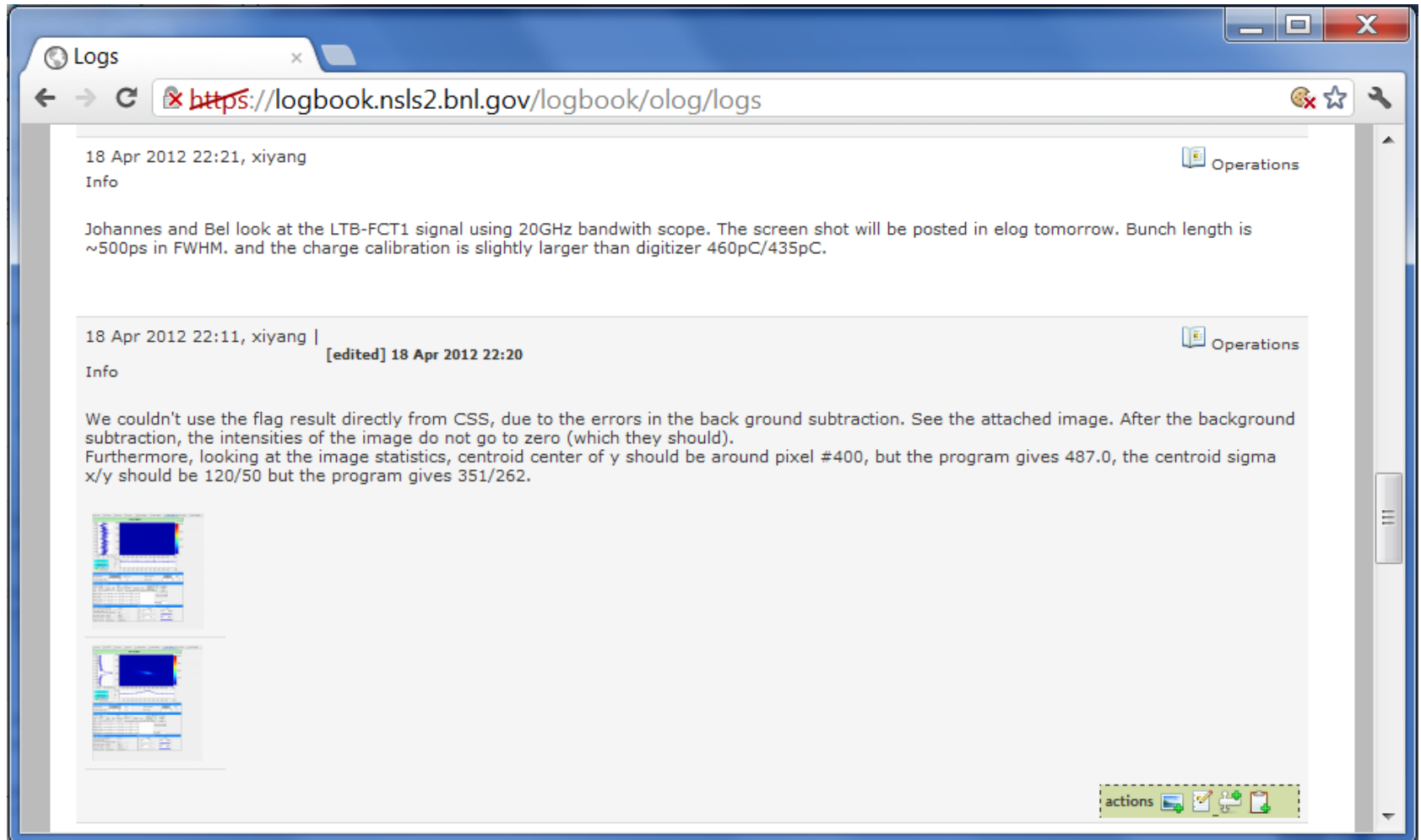


# logbook

The screenshot shows a Mozilla Firefox browser window with the following elements:

- Browser Title Bar:** "Logs - Mozilla Firefox"
- Menu Bar:** File, Edit, View, History, Bookmarks, Tools, Help
- Address Bar:** "bnl.gov" and "https://logbook.nsls2.bnl.gov/logbook/"
- Search Bar:** "Search..."
- Logbook Header:** "Logbook" with a logo and a "Sign in" link.
- Filtering Options:** A dropdown menu with options: All, Last day, Last 3 Days, Last week, Last month, Last 3 Months, Last 6 Months, Last year, and Choose timespan.
- Log Entries:** A section titled "log entries." with a message: "out of none total, starting on record 0, ending on none".
- Other Elements:** A "Choose Logbook(s)..." input field and a "Page" indicator.

# logbook



The screenshot shows a web browser window with the address bar containing <https://logbook.nsls2.bnl.gov/logbook/olog/logs>. The page displays two log entries, each with a date and time, a user name, and an 'Info' section. The first entry is dated 18 Apr 2012 22:21 and describes a signal analysis. The second entry is dated 18 Apr 2012 22:11 and discusses background subtraction errors, with an edit timestamp of 18 Apr 2012 22:20. Two small images are attached to the second entry. The browser interface includes standard navigation buttons and a status bar at the bottom right with an 'actions' menu.

18 Apr 2012 22:21, xiyang  
Info

Johannes and Bel look at the LTB-FCT1 signal using 20GHz bandwidth scope. The screen shot will be posted in elog tomorrow. Bunch length is ~500ps in FWHM. and the charge calibration is slightly larger than digitizer 460pC/435pC.

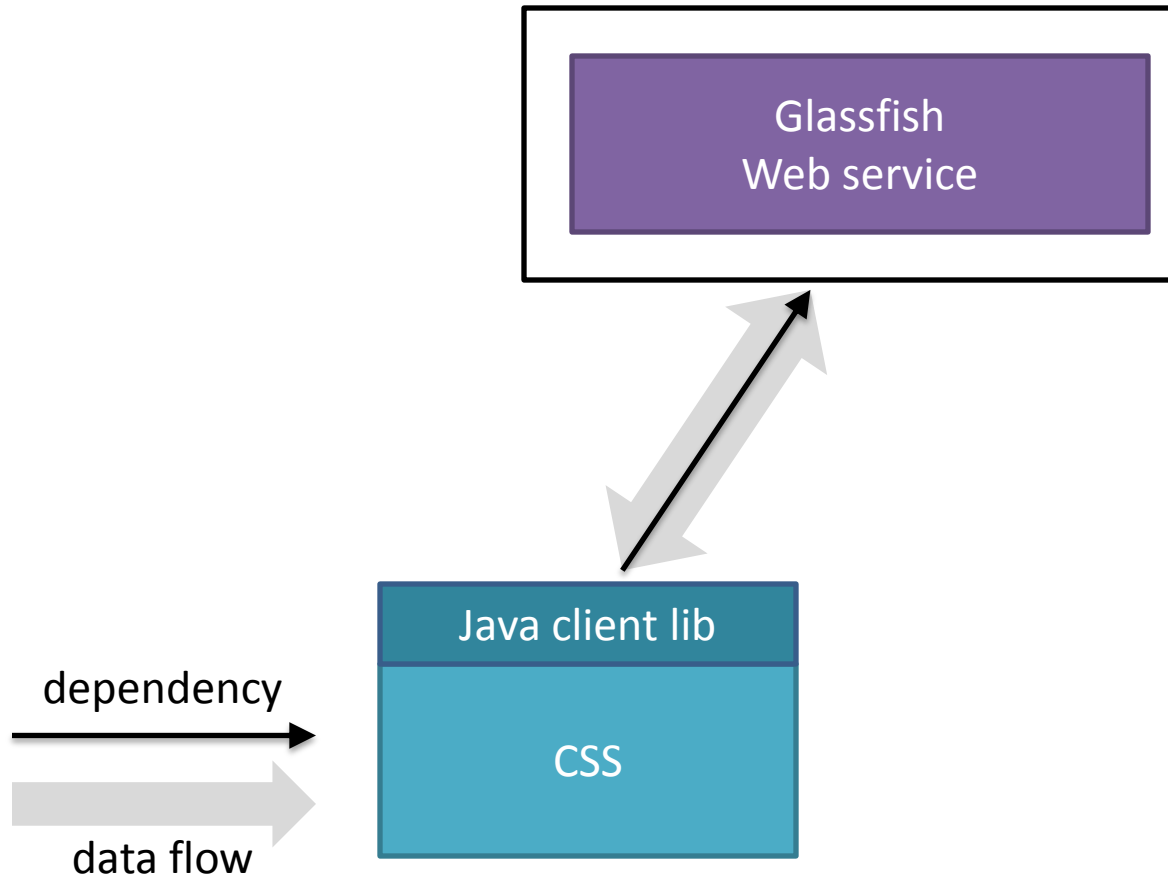
18 Apr 2012 22:11, xiyang | [edited] 18 Apr 2012 22:20  
Info

We couldn't use the flag result directly from CSS, due to the errors in the back ground subtraction. See the attached image. After the background subtraction, the intensities of the image do not go to zero (which they should). Furthermore, looking at the image statistics, centroid center of y should be around pixel #400, but the program gives 487.0, the centroid sigma x/y should be 120/50 but the program gives 351/262.

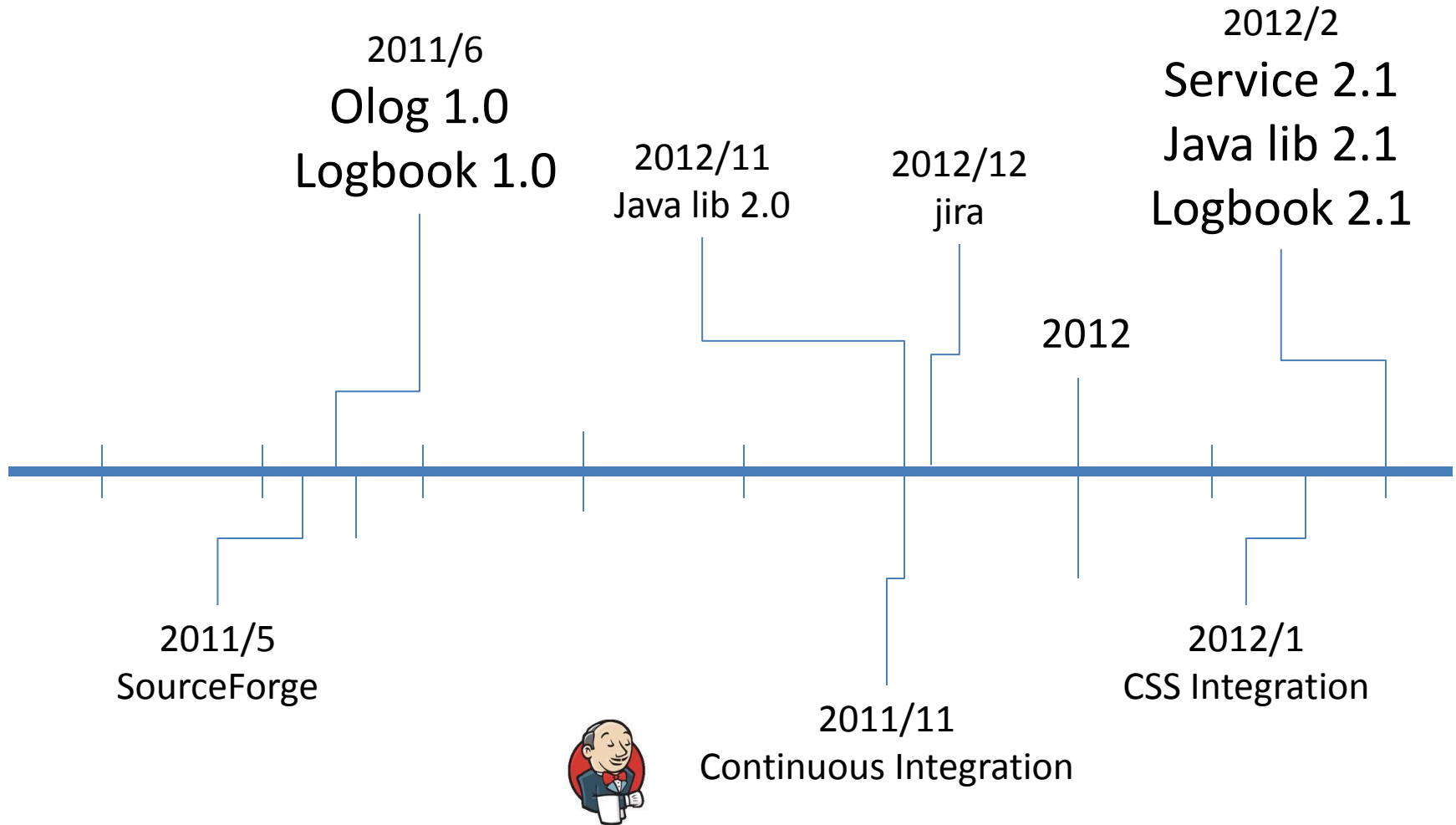
actions

# CSS & Olog

olog.nsls2.bnl.gov



# A Brief History of Olog



Questions?