

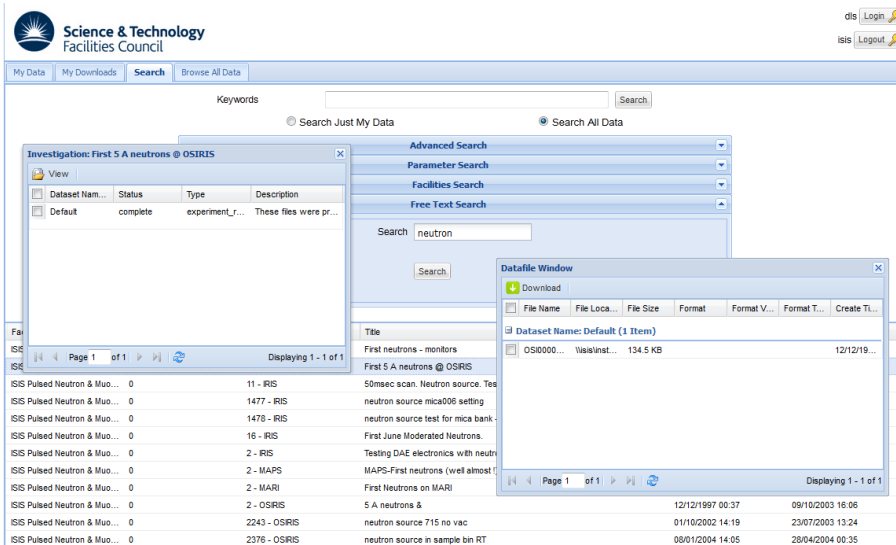


# TopCAT

March 2014

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# TopCAT



The screenshot shows the TopCAT web interface. At the top, there is a navigation bar with 'My Data', 'My Downloads', 'Search', and 'Browse All Data'. A search bar contains the keyword 'neutron'. Below the search bar, there are several search options: 'Search Just My Data' and 'Search All Data'. A 'Datafile Window' is open, showing a table of search results. The table has columns for 'File Name', 'File Loca...', 'File Size', 'Format', 'Format V...', 'Format T...', and 'Create T...'. The results include a dataset named 'OSI0000...' with a file size of 134.5 KB. The main interface also displays a list of datasets with columns for 'Dataset Name', 'Status', 'Type', and 'Description'.

Dataset Name	Status	Type	Description
Default	complete	experiment_f...	These files were pr...
ISIS Pulsed Neutron & Muo...	0	11 - IRIS	50msec scan. Neutron source. Tes
ISIS Pulsed Neutron & Muo...	0	1477 - IRIS	neutron source mica006 setting
ISIS Pulsed Neutron & Muo...	0	1478 - IRIS	neutron source test for mica bank
ISIS Pulsed Neutron & Muo...	0	16 - IRIS	First June Moderated Neutrons.
ISIS Pulsed Neutron & Muo...	0	2 - IRIS	Testing DAE electronics with neutri
ISIS Pulsed Neutron & Muo...	0	2 - MAPS	MAPS-First neutrons (well almost
ISIS Pulsed Neutron & Muo...	0	2 - MARI	First Neutrons on MARI)
ISIS Pulsed Neutron & Muo...	0	2 - OSRIS	5 A neutrons &
ISIS Pulsed Neutron & Muo...	0	2243 - OSRIS	neutron source 715 no vac
ISIS Pulsed Neutron & Muo...	0	2376 - OSRIS	neutron source in sample bin RT

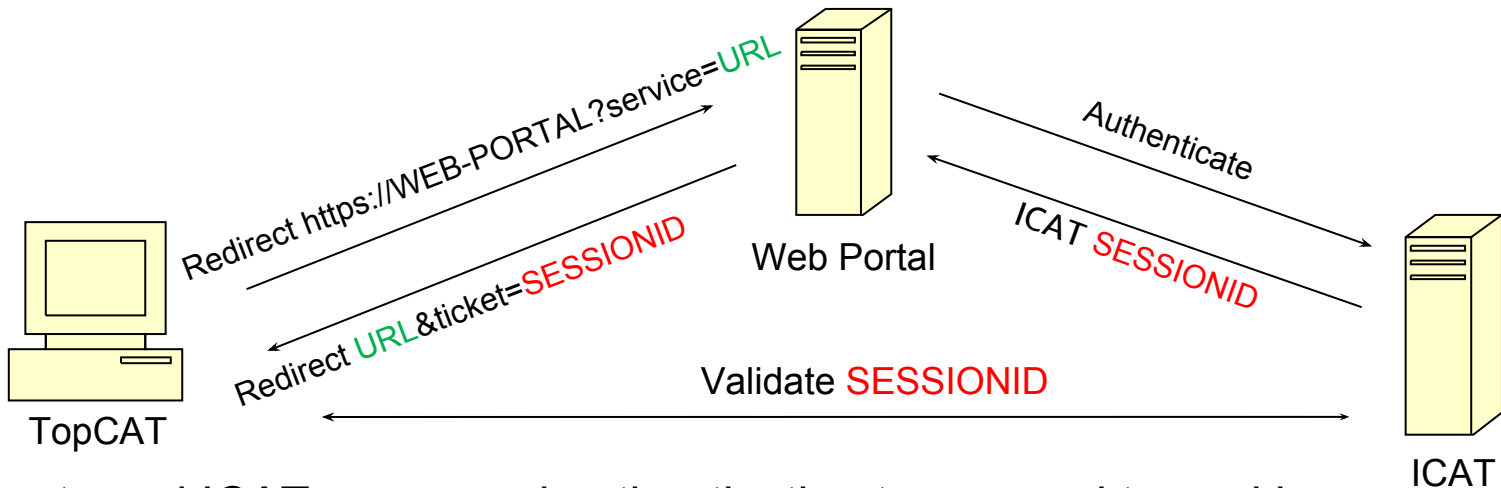
- Current release TopCAT 1.11.0
- Added support for the ICAT 4.3
- Added support for IDS 1.1.0
- Updated GWT 2.5.1
- updated GXT 2.31
- Added timed announcement message via TOPCATAdmin
- Added Free Text search (ICAT 4.3 only)



# Next Release

April 2014

- Added External Redirect authentication type plugin



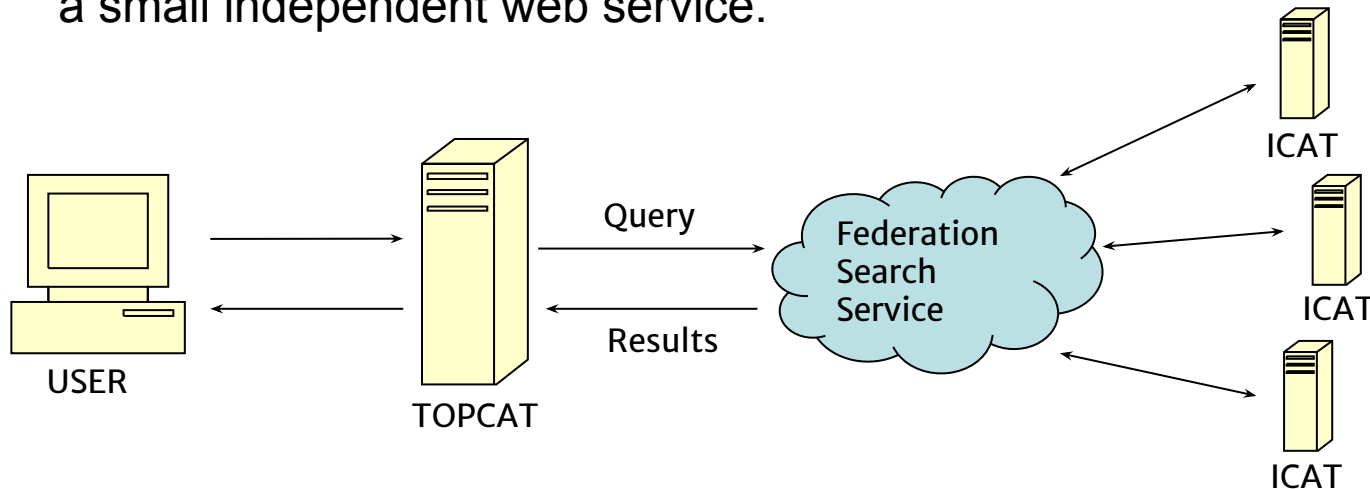
- Last used ICAT server and authentication type saved to cookie
- Provide data upload facilities via the IDS
- Remove support for ICAT below 4.2
- Bug fixes (<https://code.google.com/p/topcat/issues/list>)



# Road Map

## July 2014

- Add support for multiple facilities
- Rationalise and simplify the code to reduce dependencies
  - Result in more maintainable software
  - If plugin are desired, should not be compiled into distribution
- Desirable to separate off code for doing federation search, possibly into a small independent web service.

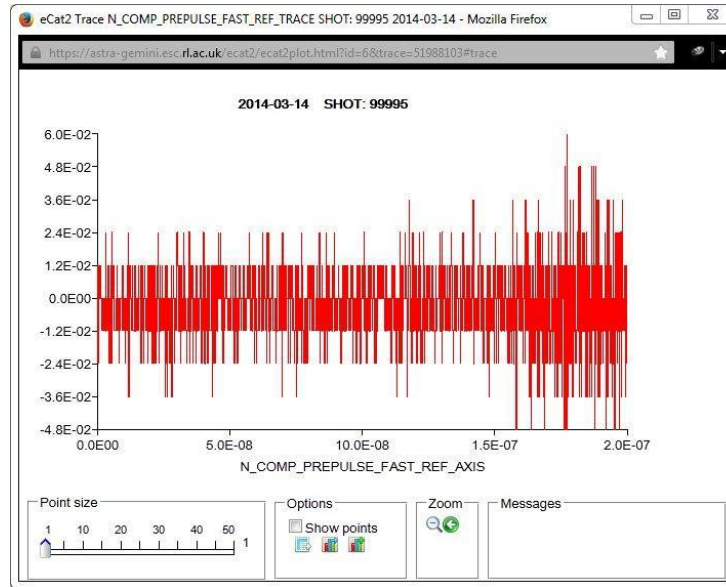
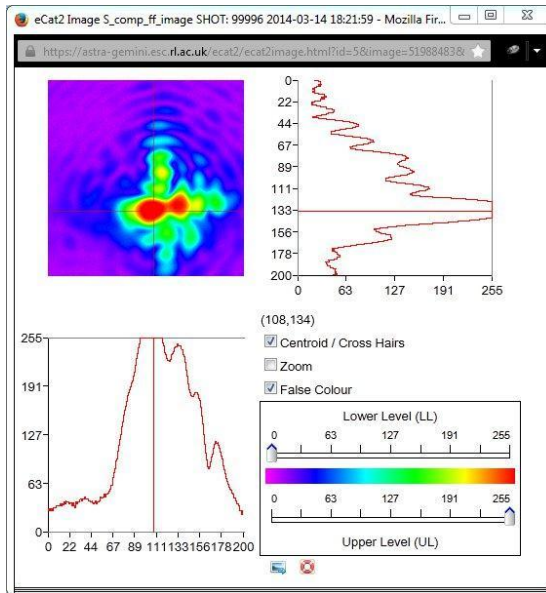




# Road Map

## October 2014

- Add visualisation features (simple analysis of one and 2 dimensional data) by packaging such functionality already developed by the ICAT team at STFC for one of their facilities.



- Find replacement for GWT
- ICE (ICAT Editor) might be included in TopCAT

### ICE - ICAT Editor

Create Facility Logged in as root Logout

uri

description

name

fullName

daysUntilRelease

Submit



# What Direction?

- What requirements do the community want for TopCAT?
- Is there really a use case for federation?
- Would it be better to provide a simple GUI for a single ICAT server?