

PaNdata Software Workshop

Installing and operating the PaNdata software stack

Elettra-Sincrotrone Trieste
6-7 November 2013

Elettra-Sincrotrone Trieste organized a PaNdata Software Workshop on November 6 and 7. The core of the workshop was a hands-on tutorial on installing ICAT data catalogue and a number of related tools and utilities. STFC provided access to a number of virtual machines deployed on the BigV (<http://www.bigv.io>) cloud. Participants worked in couples and each couple had a host to work on.

The list of participants included Alistair Mills and Kunal Arora (STFC), Tom Griffin (ISIS), Idrissou Chado (SOLEIL), Jürgen Starek (DESY), Rolf Krahl (HZB), Leonardo Sala (PSI), Christophe Cleva (ESRF), George Kourousias and Milan Prica (ELETTRA). Fulvio Billè and Roberto Pugliese (ELETTRA) attended the talks.



Presentations were given by:

- Alistair Mills – ICAT introduction and presentation of workshop exercises;
- Rolf Krahl – Python-icat library;
- Tom Griffin – Using the ICAT API (with a demo of domain specific interface to ICAT);
- George Kourousias – Using IGEST heuristics to explore ICAT schema.

The main exercise included:

- Installing Java JDK;
- Installing and configuring Glassfish 3.1.2;
- Deploying ICAT and its basic database-based authentication mechanism;
- Inserting credentials into the database;
- Configuring credentials in Glassfish;
- Installing authorization rules in ICAT;
- Installing minimal content into ICAT;
- Installing and using ICE interface;
- Installing and using Topcat 1.9.0 and its Administration console.

Many of the participants expressed that they were very pleased with the workshop and they found the hands-on sessions useful.