ICAT at ISIS

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March 2013
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Status

- ICAT 3.3 in production for 4+ years
- ICAT 4.2
  - Installed on production hardware
  - Created ISIS-UO Authentication plugin
  - Populated with all proposal metadata
  - Populated with some experiment data
  - Rules ‘bug’ prevents us going live
  - Require an IDS compliant data server
Blockers

• Issue #83
• Cannot set real permissions
• No access for staff

Investigation <-> Instrument <-> InstrumentScientist <-> User
[name = :user]

IcatException_Exception: Can't have loop in graph of entities. 'Investigation' was encountered twice following InstrumentScientist -> Instrument -> Investigation
Problems and Enhancements

• Schema changes
  – SampleType constraints – ‘Steel’
  – Investigation <-> Instrument

• Small bug with InvestigationUsers

• See issues on Google code
1 year plan

• Go live with 4.2 / 4.3 / 4.4
• Mantid integration with 4.x
• Switch off 3.3
• Upload of processed data
  – from Mantid
  – From TopCAT
Immediate Requirements

• Bug fixes
• Minor enhancements
<1 year Requirements

- Permissions management in TopCAT
  - ICAT auth rules to support this
- GUI tweaks to TopCAT
- IDS reference implementation
- Data upload from TopCAT & Mantid
  - Requires infrastructure in ISIS
>1 year Requirements

- Anything that isn’t done in 1 year
- OAI-PMH ?
Questions...