New developments for the CDS Portal

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Outline

- What is the CDS Portal ?
- New features
- Technologies used
- Demo





What is the CDS Portal ?

- CDS services mash-up
- 2 main goals:
 - Provide a uniform access point to CDS services, running in a web browser
 - Facilitate workflow between services
- Web interface : no installation needed





New features

- Integration of SimPlay (simple interactive viewer for Simbad objects)
- Upload of users local VOTables
- Save list of Simbad objects to portal
- Query VizieR with a list of positions
- Download of saved tables in different formats: VOTable, CSV, TSV
- Definition and implementation of users quota (registered users: 500MB, anonymous users: 100MB)
- Server-side generation of 2D plots
 - "Shift the result, not the data"





Technologies/standards used (1/2)

Google Web Toolkit

- Framework to build Web applications
- Develop, test and debug in Java, then compile to Javascript
- RPC mechanism between client and server
- 3rd party JS libraries
 - Prototype, Scriptaculous
 - Linked to GWT through JSNI (JavaScript Native Interface)
 - Allows to call JS from Java (GWT), and vice versa
- Flex

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- Used for development of SimPlay
- Adobe framework to build Rich Internet Applications
- 'Flash for developers'





Technologies/standards used (2/2)

- Storage system deployed at CDS
- VOTable

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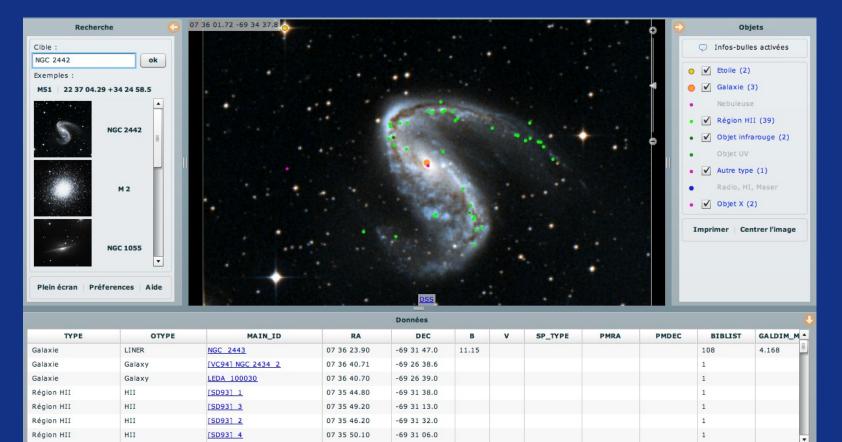
- Data internally stored as VOTable
- "Empty" VOTable stored for fast retrieving of metadata
- UCDs
 - Retrieve columns with coordinats information
- STIL
 - Efficient VOTable parsing
- STILTS
 - Generation of 2D plots





Demo

• SimPlay





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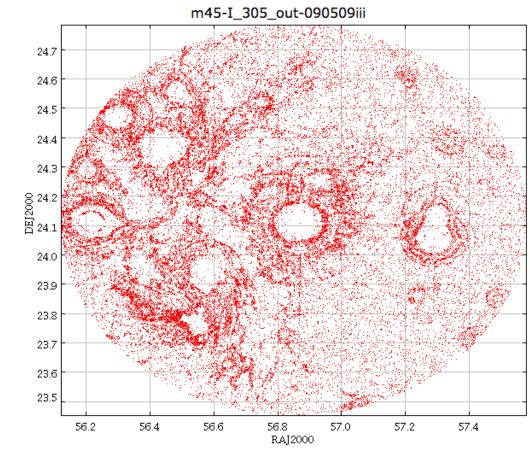
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• Server-side generation of 2D plots

Portal My data







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demo Preferences Logout

CDS Portal v.1.0

• First public release planned for next month





Portal architecture

