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JLOW Report

(Java Library fOr Workflow)

Summarize

- JLOW development started at CDS 2 years ago
 - ✓ workflow builder
 - ✓ workflow engine
- JLOW is part of
 - ✓ AIDA (Astronomical Image processIng Distribution Architecture)
 - ✓ Aladin plugin

JLOW Package

- At least Java 1.4, JGraph, kxml2 and common-logging
- URL web : <http://cdsweb.u-strasbg.fr/devcorner.gml>
- Three jars :
 - jlow-frontend : client side (GUI)
 - jlow-engine : server side
 - jlow-common : needs by the previous jars

A workflow plugin for Aladin

- Needs Aladin beta (4.014)
- Data server : VizieR, Simbad, Aladin, NED
- Computation : CrossMatch, SExtractor, RGB, Isocontour, Blink, Export
- Features : Save/Load, Import, Execute, Script commands view

Demo Aladin plugin

Workflow use cases from AIDA

- AIDA allows the execution of the most of the programs (matlab, fortran, C, ...)
- AIDA features :
 - a workflow builder and engine (using JLOW)
 - a multi-thread
 - workspace tabs

Demo AIDA