

Maintenance of externally-facing IVOA resources

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VO Applications for Astronomers

<http://www.ivoa.net/astromers/applications.html>

INTERNATIONAL VIRTUAL OBSERVATORY ALLIANCE

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VO Applications for Astronomers

In this section, scientists can find available VO compatible applications for their immediate use to do science. The level of maturity of the applications depends on a high degree on the level of maturity of the corresponding IVOA standards and standards. As a consequence of the flexibility of the standards, several of the applications might overlap in functionality. The IVOA does not manage or guarantee these services/tools.

Applications (in alphabetical order)	Functionality	VO-compliant Tools & Services
3D View	Search for images: Aladin, Datacube, SkyView,	OSG: image visualization GOSIP: SED fitting VOCat: search for images and spectra
Aladin	SVO Discovery Tool, VOCat, Data Discovery Tool	IRAF: image Reduction & Analysis Vizual: Telescope Gale: Optical Astronomy and Image Analysis
APPRICHES	Search for Spectra: Aladin, CASIBB, Datacube, SPLAT, Specview, SVD	IRAFSD TESSLA
AppLearner	Discovery Tool, VOConnect, VOApp, Data Discovery Tool	Search for Time Series Data: Time Series Search Tool
CASIBB	Image visualization: Aladin, SkyView	WDR - Web Interface to the International Registry RSS Feed of New & Updated Services in the VO AppLearner or use VOConnect
CDS Aladin Service	Spectra visualization: CASIBB, SPLAT, Specview, VOConnect, VOApp	Manuals, Tutorials, How-toe ADQL & TAP Tutorial AppLearner manual CASIBB documentation Database how to Data Discovery Tool Tutorial PDF (index) In: How to (index) Mortgage help SkyView documentation Specview examples SPLAT documentation STILTS documentation TOPCAT documentation VOApp how to VOApp User Manual
Data Discovery Tool	Catalogues visualization: Aladin, TOPCAT, VOApp Cross-correlation: Aladin, STILTS, TOPCAT, ODS	
Filter Profile Service	Analysis Service, Cross-Correlation Tool	
IRIS	Scatter: 3D plots and Histograms: TOPCAT, VOApp	
Montage	Shellcodes: Aladin	
OSG	Footprint Service: Aladin, VOConnect	
SkyView	Table format conversion: TOPCAT, VOConnect, STILTS	
Specview	Filter curves: VOConnect, Filter Profile Service	
SPLAT	SED fitting: VOA, VOSED, VOApp, In: Finding WCS: Aladin, VOApp	
SVO Discovery Tool	Query Database: Spectra, TOPCAT, TAP-handle, TAP	
TAP-handle		
Web		
TESSLA		
TOPCAT/STILTS		
VOApp		
VOConnect		
VODatacube		
VOFilter		
VOGA		
VOSED		
VOService Profile		
Specview, Filter, ...		
VOApp		

If you are interested in having your own project linked here, please contact us.

IVOA Applications Working Group
Also visit the Applications Working Group pages on the IVOA Wiki, where you can find more VO applications in different levels of maturity.

For Astronomers
Getting Started Using the VO
VO Discovery VO Connect
VOA membership VO for Students

For Deployers/Developers
Intro to VO Connect /
VOA membership status /
Participating in the VO / Technical
Resources

For Members
IVOA Calendar / Working Group
Event Organization / Programs /
Meeting Lists / IVOA Resources

Why the review

- We received reports that existing VO-powered applications were missing from the page
- Broken links were also discovered among the apps currently linked from the page

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- Even if the app is not actively developed/maintained, does it still work?
 - ...installable (with caveats)
 - ...runs in a browser (with caveats)
 - ...working (with caveats)

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- ~80% of webpages updated in the last 3 years
 - One working URL last updated in 2006
 - 10 services apparently not developed/maintained anymore
 - 15 webpages do not provide any hint on when they were last updated
 - ▶ Some webpages of clearly active projects do not show any "last updated" info → "Current"

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- Found a few "zombie" projects
 - downloaded and installed successfully...
 - ...but their functionalities seem to be broken

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- Move not developed and/or maintained apps (with working webpages and “working”) to a **new “Legacy” section** of the webpage

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Moving forward

- **One time, IVOA-wide call for new apps/services** that might have been missed
- More structured procedure for updates to the webpage:
 - Regular, bi-annual solicitation for new apps/services (and revision of webpage/links/apps status), before each InterOp

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- Direct links to notebooks with working VO-powered workflows

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Visible

- Request that linked app webpages backlink the IVOA Apps webpage
 - Even redirecting only a small fraction of visitors from the webpages of the most successful tools/services can revitalize the webpage
 - Favoring an organic growth of the whole community of VO applications