

Applications: SAMP

IVOA Interop
CDS, Strasbourg

27 May 2009

`$Id: apps-samp.tex,v 1.8 2009/05/27 12:01:39 mbt Exp $`

Outline

- Current status
- Software talks and demos
 - Mark Taylor: JSAMP, SPLAT, DS9, JSkyCat, VODesktop
 - Jonathan Fay: World Wide Telescope
 - Tushar Agrawal: VOPlatform and VOI Mosaic Service
 - Ivan Zolotukhin & Igor Chillingarian: SAMP-powered collaborative research
- Discussion/AOB

SAMP Status

Current status:

- SAMP 1.11 Recommendation as of 21 April 2009
 - ▷ Good!!
 - ▷ Few changes resulting from RFC (i.e. since v1.1)
 - Some editorial improvements suggested
 - Request to clarify MType list and procedures
- New URL for SAMP info: <http://www.ivoa.net/samp/>
 - ▷ Addresses MType list/procedures issue from RFC
 - ▷ Contains information on standard, MTypes, software; placeholder for other items
 - ▷ Currently points to IVOA wiki page;
option to change content/structure/redirect in future if required
- MType list fairly mature
 - ▷ Most general purpose now MTypes in place (table, image, spectrum)
 - ▷ New general purpose ones defined as required
 - ▷ Some applications defining private vocabularies (Aladin, DS9, MOVOIR, ...) may migrate to general purpose list
- Not so many scheduled software talks/demos
 - ▷ . . . since SAMP adoption is becoming routine (?)

SAMP Status

Future standard development:

- No near-future requirement for SAMP 2.0 (?)

Future Apps/SAMP group activities:

- Application take-up continues
- apps-samp@ivoa.net mailing list continues:
 - ▷ provides support for application authors wanting to use SAMP
 - ▷ provides forum for discussion of new/modified MTypes
 - ▷ provides target for announcement of new SAMP infrastructure and applications (alongside apps@ivoa.net list)
- No SAMP-specific sessions in near-future Interops?

SAMP Software

Applications:

Name	Status	Table	Image	Spectrum	Row(s)	Pos	Others
Aladin	beta	↔	↔	→	↔	↔	←
DS9	public	↔	↔		↔	↔	←
MOVOIR	unreleased	↔	↔			←	↔
JSkyCat	unreleased	↔	↔		↔	↔	
Specfind	public	→					→
SkyView	public		→				
SPLAT-VO	public	→		↔			
STILTS	public	→					
TOPCAT	public	↔	→		↔	→	
VOPlot	public	↔			↔		
VOPlatform	public	↔					
VODesktop	beta	→	→	→			↔
WWT	public	↔			↔	↔	

→: transmits; ←: receives; ↔: both

Infrastructure:

Name	Status	Description
IDL/SAMP	alpha	SAMP extensions for IDL
JSAMP	public, tested	Hub/toolkit (Java)
Perl SAMP	public	Hub/toolkit (Perl)
PyRAF/SAMP	alpha	SAMP extensions for PyRAF
SAMPy	public, tested	Hub/toolkit (Python)

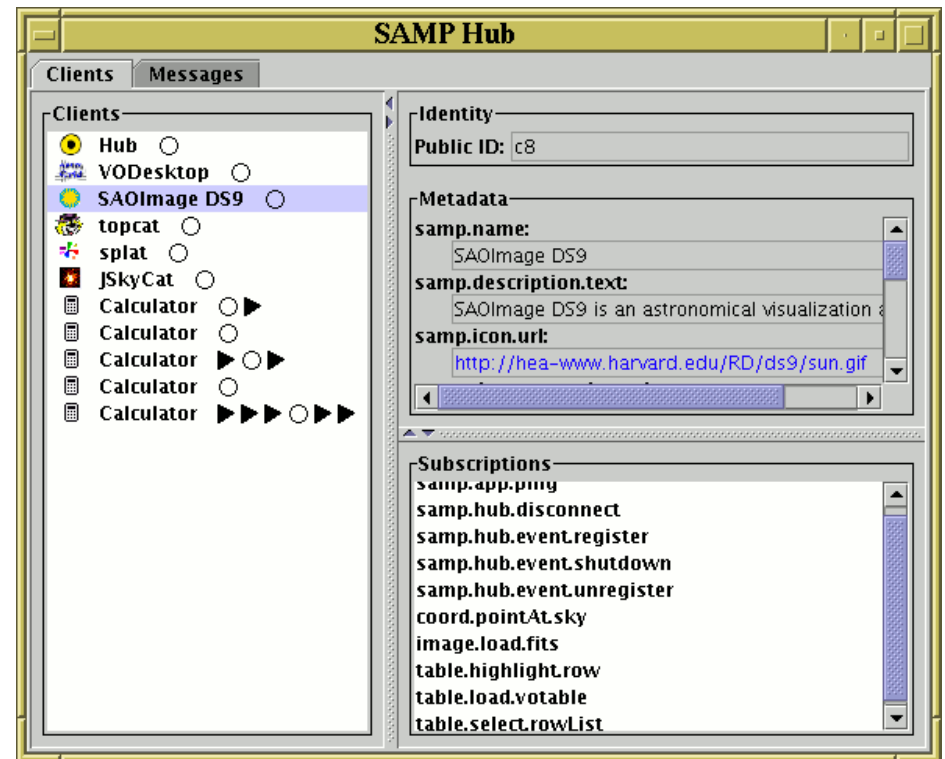
(links etc at [SampSoftware](#) wiki page)

Presentations

Presentations:

- Mark Taylor: JSAMP, VODesktop, SPLAT, DS9, JSkyCat
- Jonathan Fay: World Wide Telescope
- Tushar Agrawal: VOPlatform and VOI Mosaic Service
- Ivan Zolotukhin & Igor Chilingarian: SAMP-powered collaborative research

Demos (1)



Mark's demos

- JSAMP (Mark Taylor, AstroGrid)
- VODesktop (Noel Winstanley, AstroGrid)
- SPLAT (Peter Draper, JACH & Mark Taylor, AstroGrid)
- DS9 (Bill Joye, CfA)
- JSkyCat (Allan Brighton, ESO)

Discussion

Topics:

- Experiences of application authors
 - ▷ Support/infrastructure/advice that would make SAMP adoption easier?
- Should we be doing more to encourage uptake?
 - ▷ in general?
 - ▷ particular applications people have in mind?
- New MTypes required?
- Requirement for developments/additions to SAMP (1.2? 2.0?)
- Anything else?