AppLauncher
-
SAMP suddenly became transparent !

IVOA Interop
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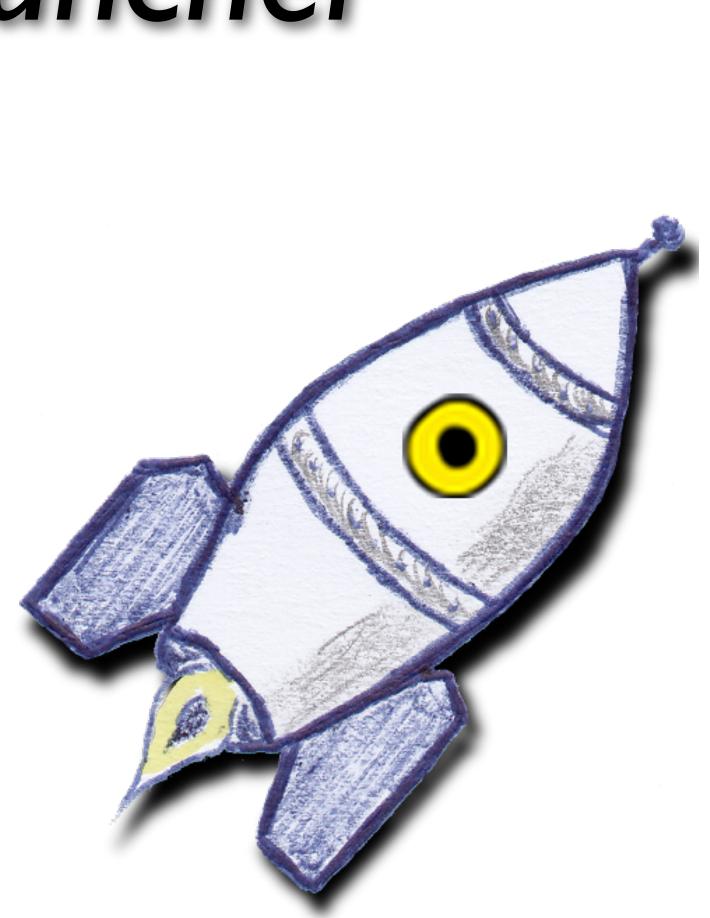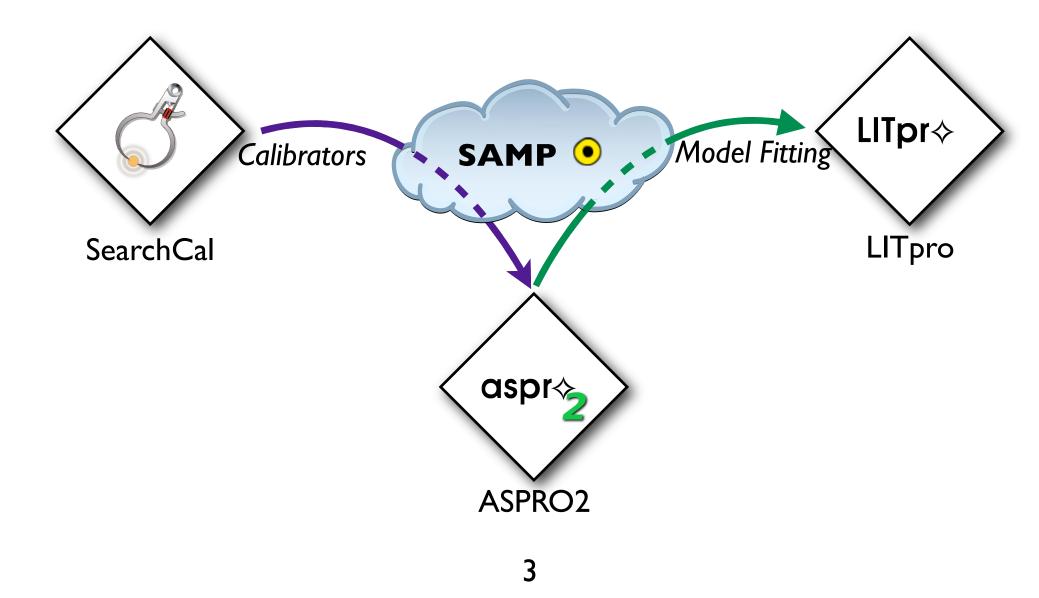Sylvain LAFRASSE

JMMC-PRE-2220-0002

Version 1.0

AppLauncher

- What is it ?

- How does it work ?

- Demo !

- Standardization Progress

- Perspectives
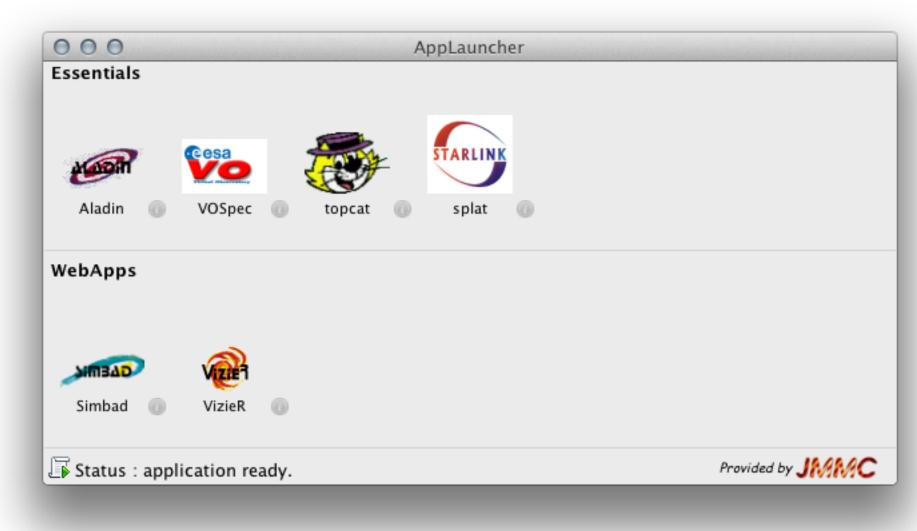
- Acknowledgements

What is it ?

- *SAMP* offers graceful data exchange between compatible software

- **But** each application must first run and be registered to a hub to become available

SearchCal — Calibrators — SAMP — Model Fitting — LITpro
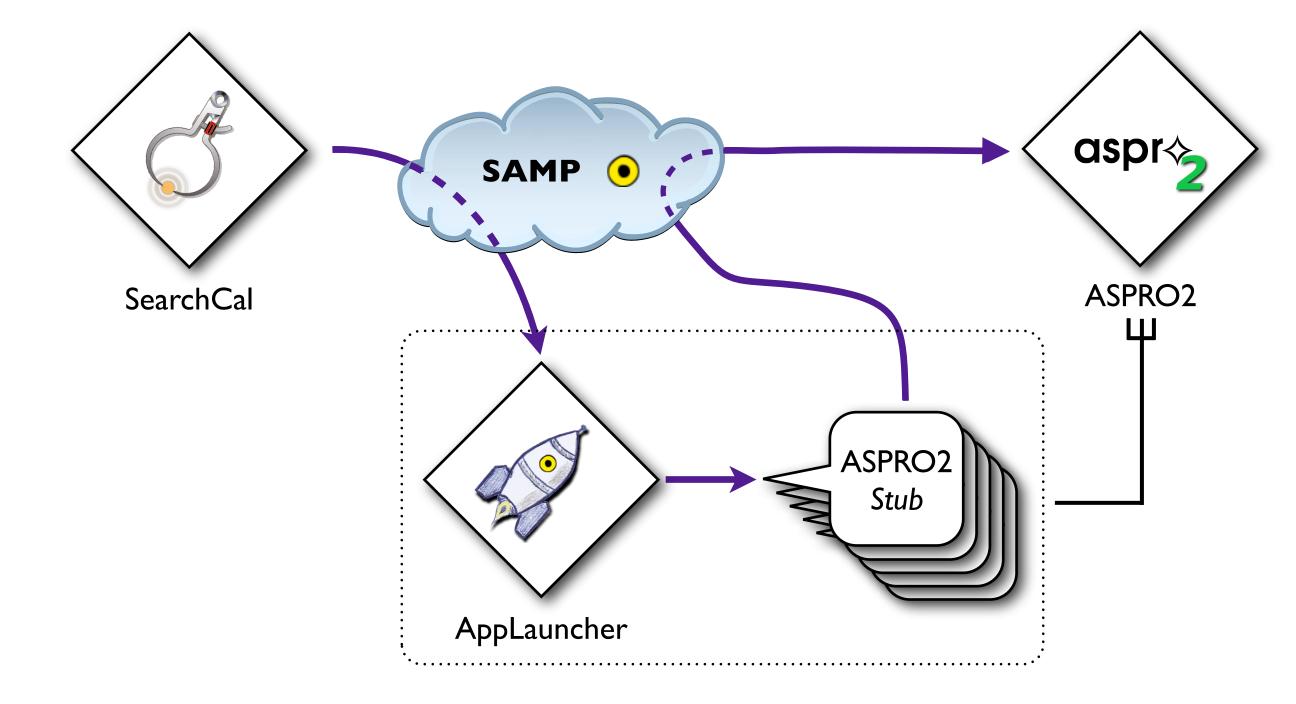
ASPRO2

Then came *AppLauncher* !

- No more need to know and launch *SAMP* clients beforehand (nor managing hub life)

- Dynamically discover and report yet unknown *SAMP* applications to our own registry

How does it work ?

- By imitating any application's *SAMP* capability !

- By launching application's *JNLP* on demand

Demo !

http://www.jmmc.fr/applauncher

Standardization : Registry

- Applications are described in our *XML* format

  - ◉ Not much interest expressed by either *Registry* or *DM* communities

- *XML* only contains serialization of *SAMP* meta-data and subscriptions

- *XML* descriptions are available through *HTTP* from our servers

Standardization : SAMP

- Added some new *X-SAMP* extensions for crucial missing meta-data

`x-samp.jnlp.url`	In the same way as samp.icon.url, for Java-based application startup
`x-samp.jnlp.beta.url`	In the same way as x-samp.jnlp.url, for beta release application startup
`x-samp.webapp.url`	In the same way as x-samp.jnlp.url, for web-based application startup
`x-samp.homepage.url`	Application homepage URL
`x-samp.releasenotes.url`	Application release notes URL
`x-samp.rss.url`	Application RSS feed URL
`x-samp.faq.url`	Application FAQ URL
`x-samp.authors`	Application authors
`x-samp.release.version`	Application version identifier
`x-samp.release.date`	Application release date

- Waiting for official inclusion of keywords and submitted patches

Perspectives

- *AppLauncher* could easily become *THE* (OpenSource) portal to any VO applications

  ➡ **Raise your hand for inclusion !**

- Work ongoing to allow other packaging technologies than *Java WebStart*

  - *Web* applications already handled (CDS)

  - *Python* wrappers for binaries ?

Acknowledgements

- Designed and implemented at **IPAG** by

  - Sylvain LAFRASSE

  - Laurent BOURGÈS

  - Guillaume MELLA

- Supported by Mark TAYLOR : integration of patches and updates in *SAMP* / *jSAMP*

- Already offer : *Aladin*, *TOPCAT*, *VOSpec*, *splat*, *VizieR*, *SIMBAD*, and all *JMMC* applications

Thank you !
Any questions ?

http://www.jmmc.fr/applauncher