Applications Working Group

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and

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Joint Apps/GWS Session

- VOSpace beginning transition from add-on to essential capability.

- Use in work flows and as local data store

- Allows clean parallelizing of complex work flows (distributed queries)

- Works well with Plastic/SAMP

- Current version is hard to use and has some limits (at least in some implementations). REST based will be much easier to use and more flexible.

- Several developers intend to use that as soon as available.

Web applications

- Mature complex applications and suites
- Integration of lots of complex technologies into heavyweight Web clients:
    - Complex Java Swing components: CSC View
    - Flash, JavaScript libraries: CDS Portal
    - Client side XSLT: NVO Portal
    - Silverlight: WWT
- Systems like WWT and VOSpec work magically well.
- Real theory applications are beginning to show up – ISM services – showing that VO protocols really can be used there.

SAMP Session

- Lots of working SAMP applications.
- Interoperability seems seamless and efficient.
- No problems with impendence matching – big applications work well with small and vice versa.
- Standard has been remarkably successful: what lessons does it teach.
- I&I showed it's easy to run SAMP across multiple machines (for a single or multiple users). SAMP based telecon software?
- VOPlatform shows how to use SAMP to build computing environment.

Standalone applications

- Aladin continues to amaze.
- VO Applications are reaching beyond the astronomy community in the AIDA outreach effort.
- Saada and SKUA showed new approaches to manipulating metadata.
  - Saada allows customization and externalization of data model.
  - SKUA collects annotations. Web 2.0
- VO tools and concepts now central to the development of archive systems (VOI Mosaic, GMRT and China)

Issues

- Science oriented talks: essential feedback from users of VO. How do we encourage? Where?
- Quality of the data resources that applications use.
- Sharing of capabilities, resources, software, insights (a la Jsky?)
  - VO guide to building archives? Reference archive implementation?
- Registration of software (with registry group)
- Cross-WG sessions seem successful. What's next?