



VIRTUAL ASTRONOMICAL OBSERVATORY

Grid and Web Services

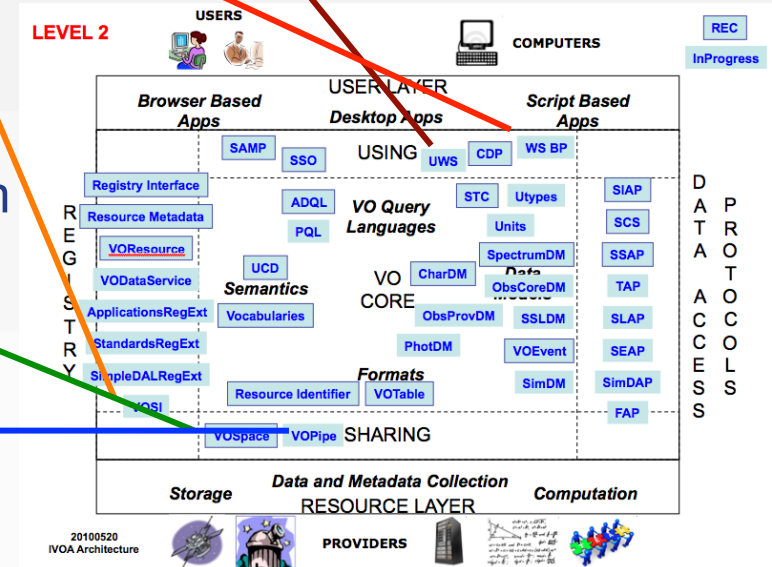
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The VAO is operated by the VAO, LLC.

Standards summary

- **Universal Worker Service (UWS)**
 - Final version: June 1, 2010
- **VO Support Interface (VOSI)**
 - TCG review: August 1, 2010
- **Web Services Basic Profile (WSBP)**
 - TCG review: September 1, 2010
- **VOSpace 2.0**
 - Fix schema and node hierarchy diagram
 - vos:group vs. uws:JobInfo
 - PR: July 1, 2010
- **VOPipe**
 - WD: October 1, 2010





Clouds, grids and workspaces

- Clouds are not necessarily economically advantageous:
 - 1TB in Amazon S3 for 6 months: ~\$1300
 - Vizier in the cloud: ~\$6000
- Favourable experiences from CADC with VMs in the cloud
- Hadoop successfully used by JVO
- OGSA-DAI not so great – heavyweight (CVO)
- SAMP not a good fit for GWS

What's next

- Address RFC comments on UWS, VOSI and WSBP
- Registry extension schema for VOSpace
- VOPipe
- VOSpace + Provenance DM
- VOSpace + SAMP?
- UWS-PA
- Group membership/community service discussion

