

GWS Working Group Closing

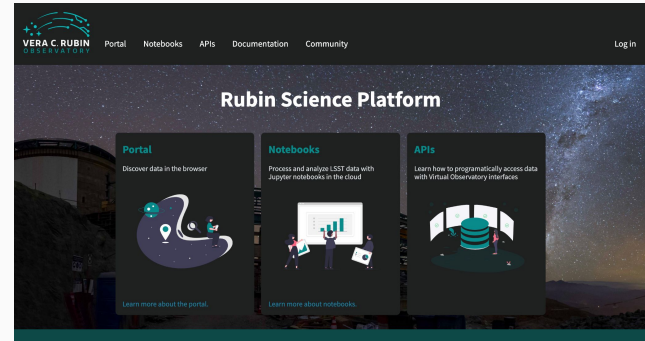
Jesús Salgado & Sara Bertocco



Science Platforms



SKAO



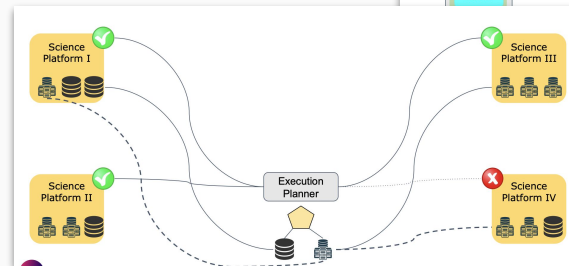
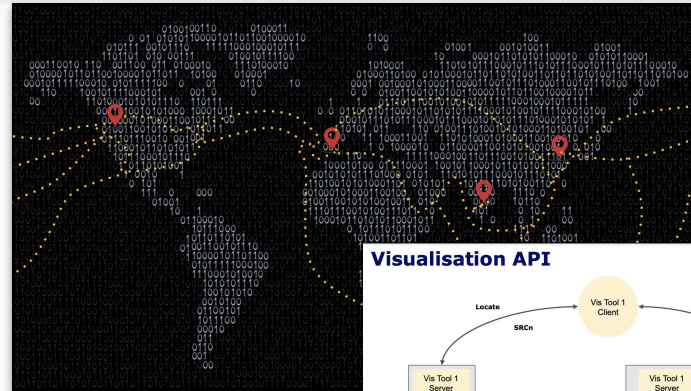
GWS WG Session -

Friday November 10, 2023 16:00-17:30, Room: Steward (N 210)

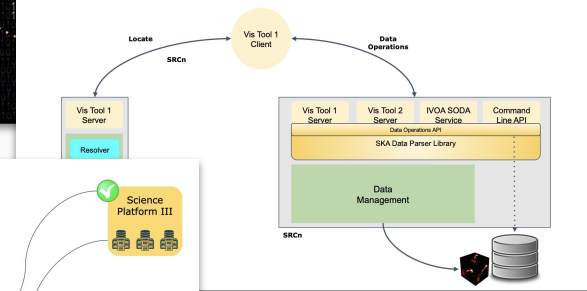
Speaker	Title	Time
Jesus Salgado	Connecting Science Platforms - Overview	15'
Pat Dowler	VOSpace 2.2	15'
Claudio Gheller	SRCNet computing services API	15'
Dave Morris	Execution Planner	15'
All	Discussion	30'

Connecting Science Platforms - Jesús Salgado

- Need for SRCNet but for Astronomical Science Platforms in general
- Use my resources to analyse my data
 - Workload proper division
- Two Options for Remote Execution:
 - Simple: Remote Operations through having data parsers close to the data
 - Complex: Execution Planner for execution of complex workflows



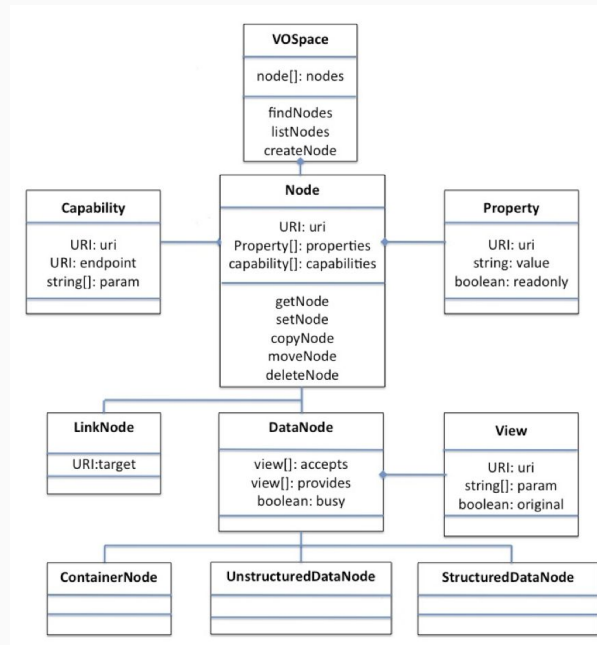
Visualisation API



VOSpace implementations in OpenCADC and VOSpace-next - Pat Dowler

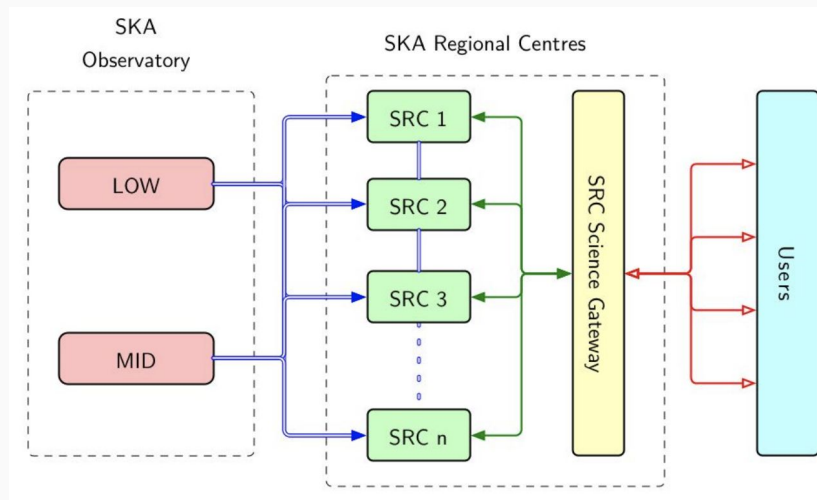
- VOSpace 2.1 REC in 2018
 - Working fine with some minor caveats
- VOSpace 2.2 possible enhancement:
 - Busy data node
 - Quotas
 - Paging
 - Transfer negotiation simplification
 - Easy shareable link to files
 - Recursive Operations specification

- Start drafting VOSpace 2.2?



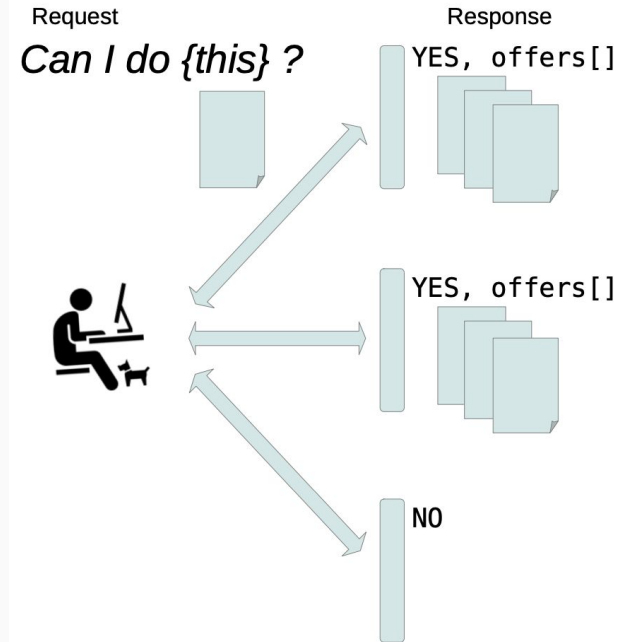
SRCNet Computing Services API - Claudio Gheller

- Federated Execution API prototype implementation foreseen for the SRCNet
- Based on Execution Planner for:
 - Discovery
 - Execution
- Abstraction of technology: Prototype will be implemented on top of different technologies
- Two prototypes:
 - Remote invocation of source extraction
 - Remote instantiation of a visualisation server (VisIVO)



IVOA - science platforms - Dave Morris

- Description of the Execution Planner
 - Note converted to Working Draft
- Abstraction of the interfaces
 - Interface could be maintained although technology could change
- Discussions on:
 - Federated authentication
 - Security: whitelists for containers and software repositories
 - How to calculate data proximity?
- Evolve draft with feedback from prototypes to evaluate possible time for REC



New Name for the Working Group?



Keywords for new name?

Relation between software and resources (Computing, Storage), Authentication, Authorisation, Clouds, Orchestrators, Containers, Science Platforms

https://yopad.eu/p/New_name_for_GWS_group

Many good proposals already:

Federated Platform Services (FPS)

Science Platform Networks (SPN)

Distributed Resources Federation (DRF)

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(add your name to your suggestion!)

Thanks!

Contact us:

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