

VOSpace implementation in Python

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□ Outline

What

Why

Status

Conclusion

□ What

- An implementation in Python 3 of the next VOSpace 2.1 release

□ Why ?

- A VOSpace server API easy to maintain and easy to use as a layer over existing data storage
- Compliant (at least) with all the mandatory features of the last VOSpace release
- Used as a reference implementation to test clients (VOSpace access protocol is under integration in Aladin)
- Written in Python, deeply used in astronomy

□ Status – following the compliance matrix

- Done
 - getProperties, getProtocols, getViews, createNode, getNode, setNode, deleteNode
- Under tests
 - pullFromVoSpace, pushFromVoSpace, CopyNode, MoveNode
- To do
 - others

□ Sides

- The metadata is stored with MongoDB but it is easy to switch to an another solution
- The UWS side is powered by the CDS-GAVO UWS library (G. Mantelet)

□ Conclusion

- The first release will be put on GitHub
- In any case, a lite tool
- No final release date, **best effort basis**
- Open to participation to try and to improve it
- Next status during the Santiago Interop