



VOPipe

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Scientific Motivation

- ✚ Stream data efficiently using VOSpaces
 - ✚ Like async messaging but with performance
 - ✚ E.g., transport between SkyQuery engines

- ✚ Chain VOSpaces into data-flows
 - ✚ Easy dynamic setup for specific tasks
 - ✚ E.g., solving a crossmatch problem



VOPipe for Data Flows

✚ Simple interface

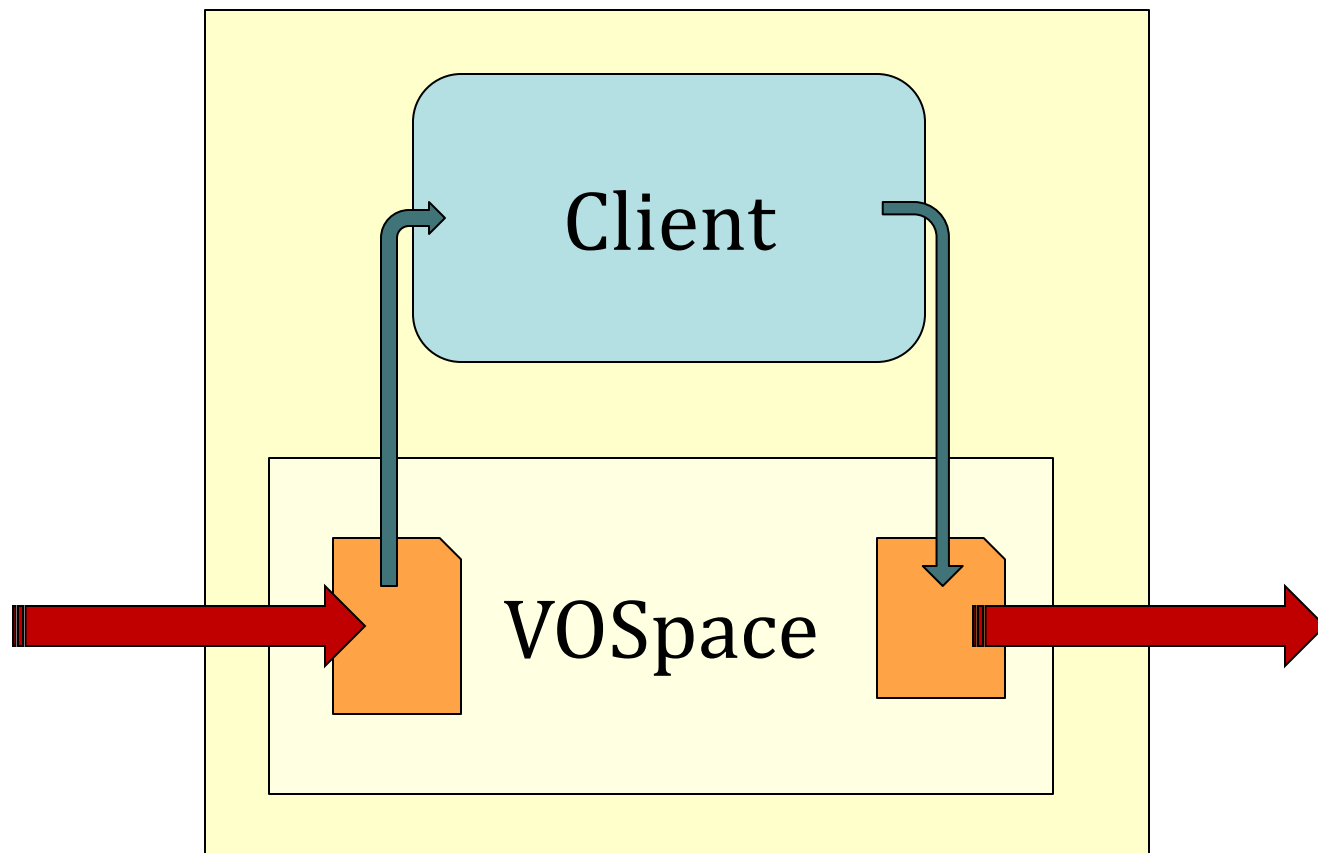
- ✚ CreatePipe (src, dest)
- ✚ DestroyPipe (pipe)
- ✚ WriteChunk (pipe, name)
- ✚ ReadChunks (pipe, timeout, state)

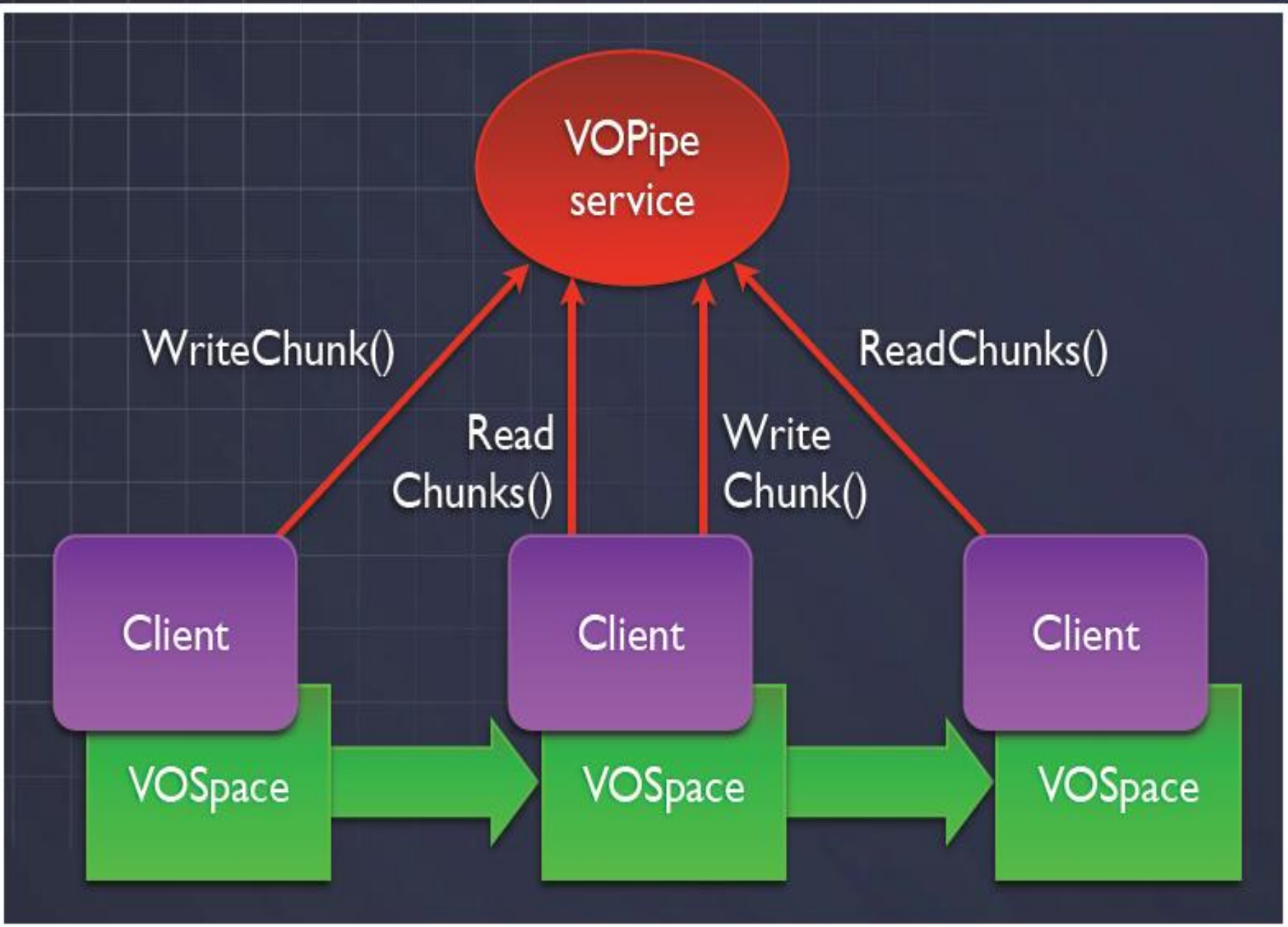
✚ Implementation

- ✚ JHU prototype tested on VOSpace 1.1
- ✚ VOSpace 2 is the highest priority now!



In Action







Ready... Set... Go!

✚ Having VOSpace 2.0 is top priority

- ✚ Finishing touches this week?

✚ Advancing VOpipe

- ✚ Develop use cases, e.g., SkyQuery
- ✚ Iron out details to guarantee efficiency