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A comparison of ARC and gLite on medical imaging use-cases

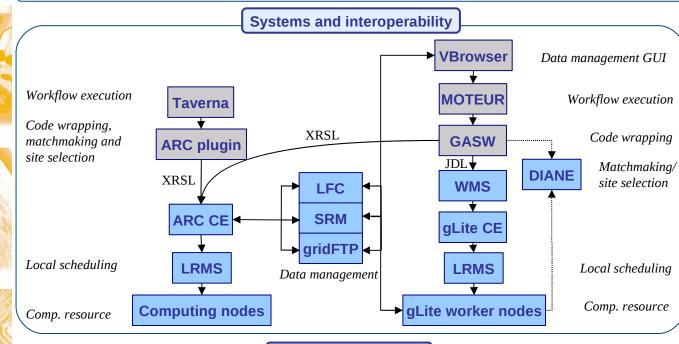
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Objectives

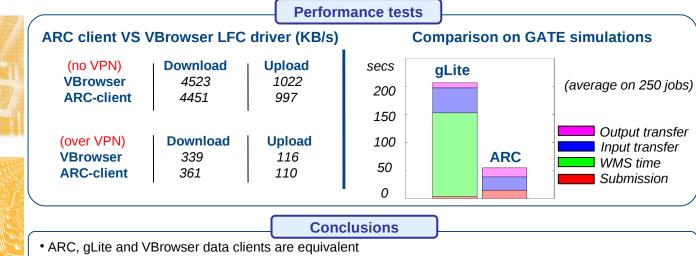
Enable application-level interoperability between ARC and gLite in order to (1) allow cross executions of medical imaging applications and (2) compare the performance of those two middleware on complete use-cases.



Application results

• Executed Image Retrieval application (developed on ARC) with data stored on EGEE SE

Executed GATE workflow (developed on gLite) on computing resources managed by ARC



- ARC's matchmaking performs better than gLite's in the tested case
- Pilot jobs are difficult to use with ARC
- Infrastructure overhead is very high in both cases