

Study Questions 4  
due Tuesday August 8

*Scientific Workflow Management and the KEPLER System*

1. Compare and contrast the three workflows presented in Section 2.1. What features of Kepler does each workflow benefit from?
2. Give an example of a composition of web services that a scientist might perform. Any scientific domain is acceptable, and generic descriptions of the web services are sufficient (specific names of the web services are not needed).
3. What are some advantages of the actor-oriented modeling approach in Kepler?
4. Explain the Third Party Transfer challenge described in Section 4.2. What solution is proposed in this section? What changes would need to be made to existing web services for the proposed solution to work?