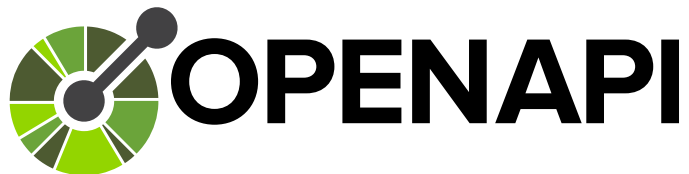
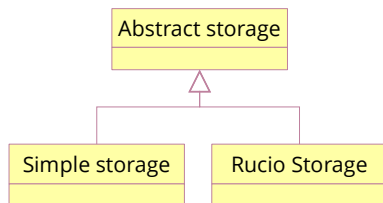




# Execution Broker

SRCNet-0.2  
Sequence diagram

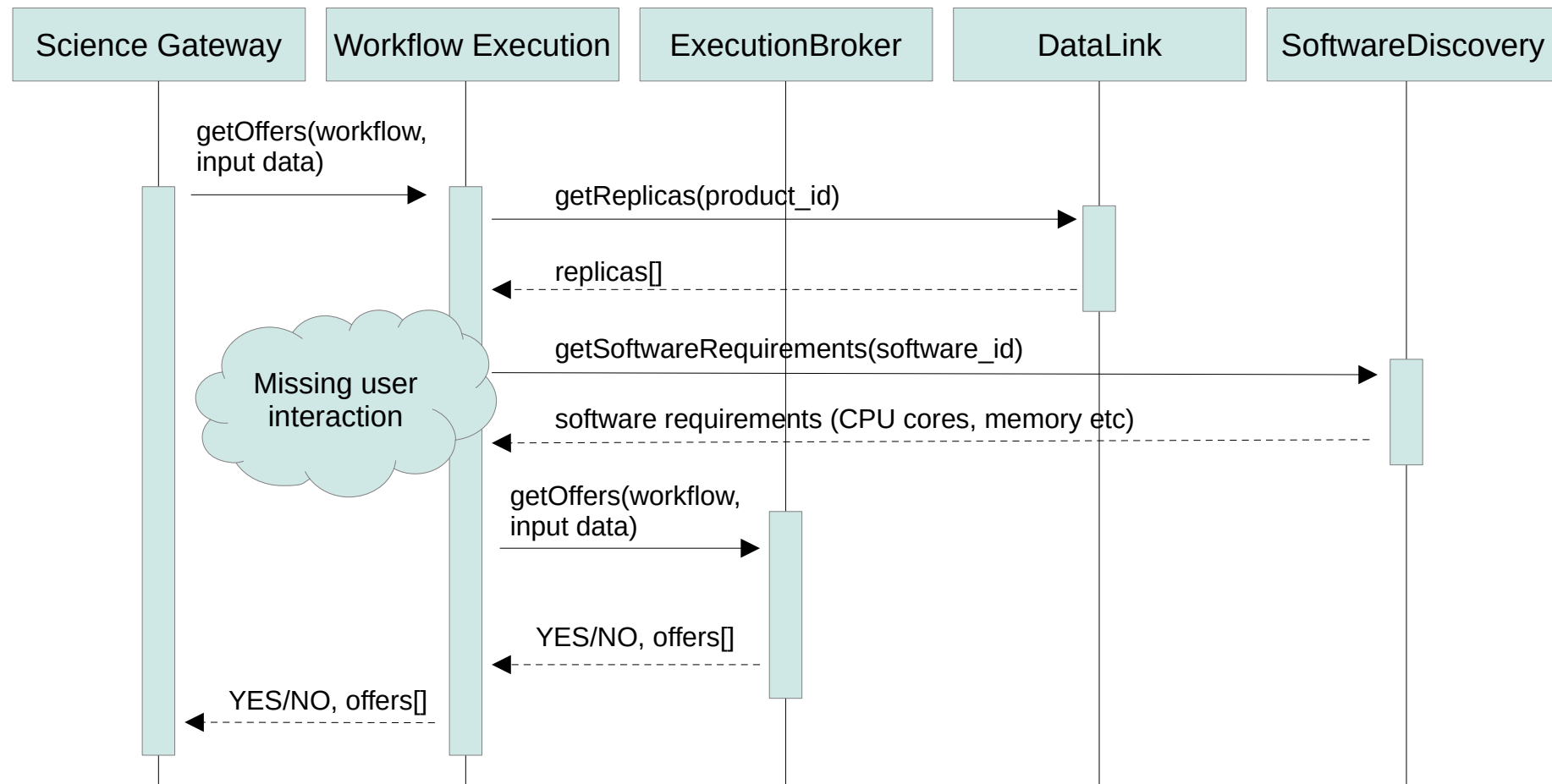
Dave Morris  
Manchester  
University





## Current sequence diagram

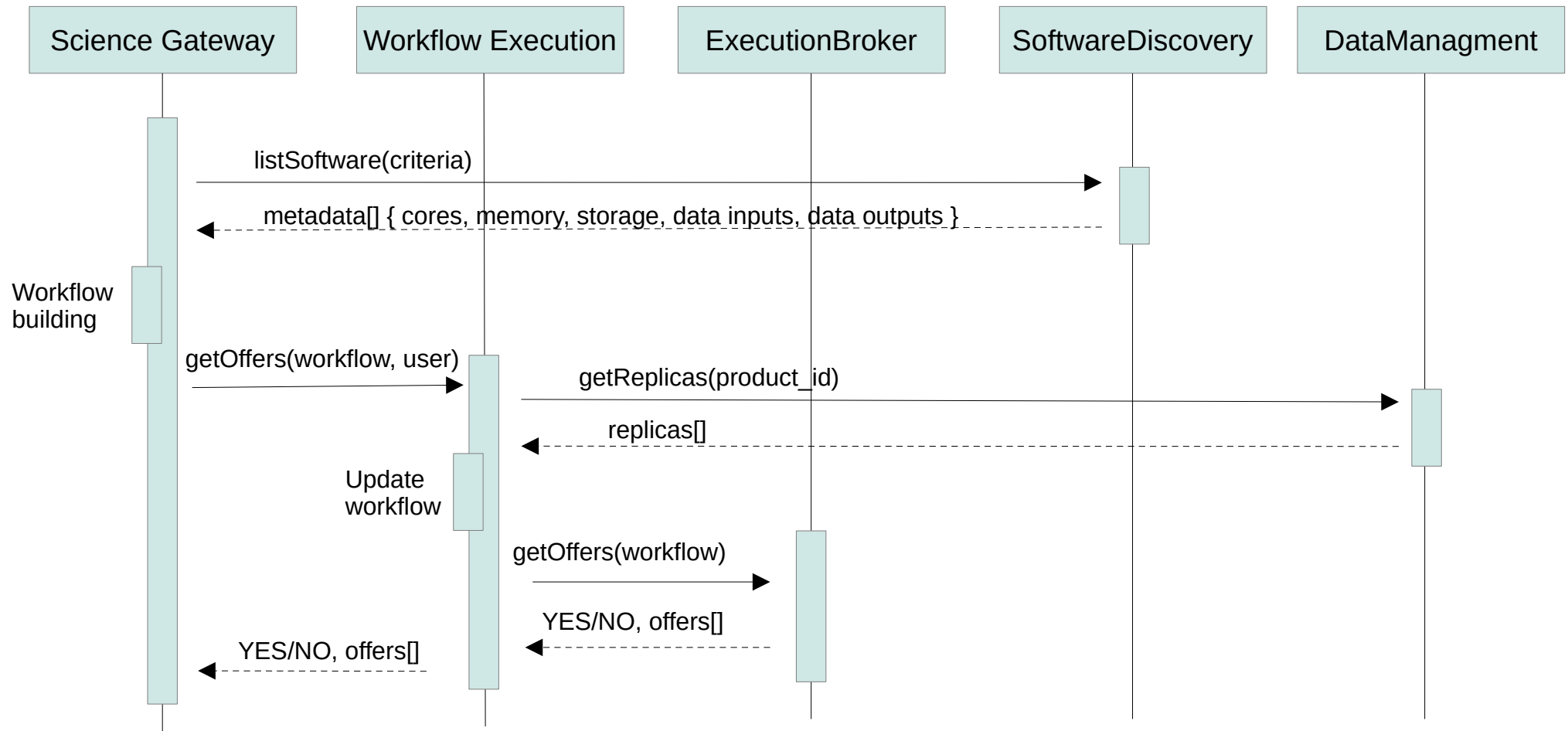
<https://confluence.skatelescope.org/pages/viewpage.action?pageId=311713724>





## Revised sequence diagram

Adding user interaction to Software Discovery and workflow building





## Revised sequence diagram

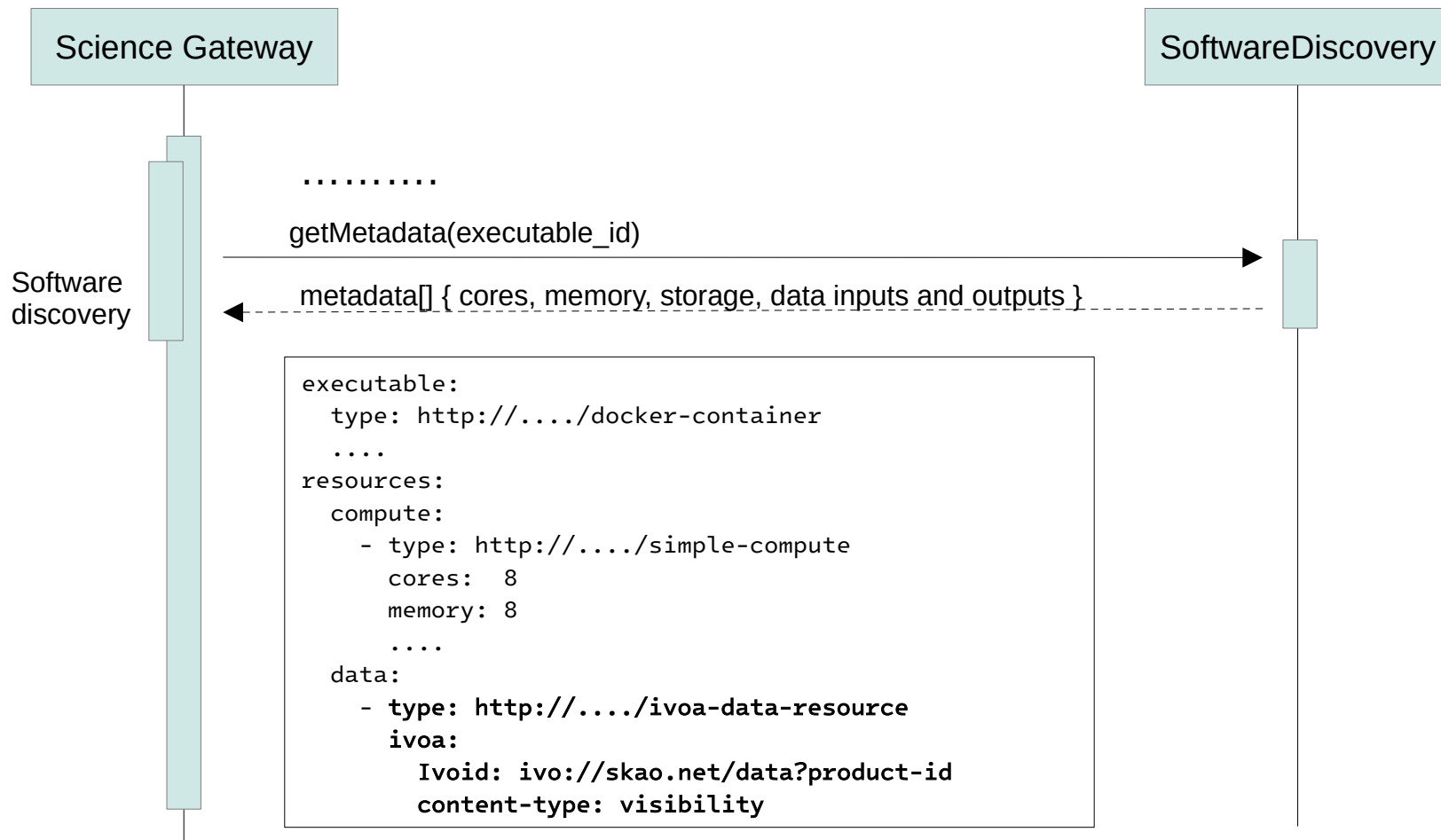
Conversation between Science Gateway and Software Discovery to select the software





## Revised sequence diagram

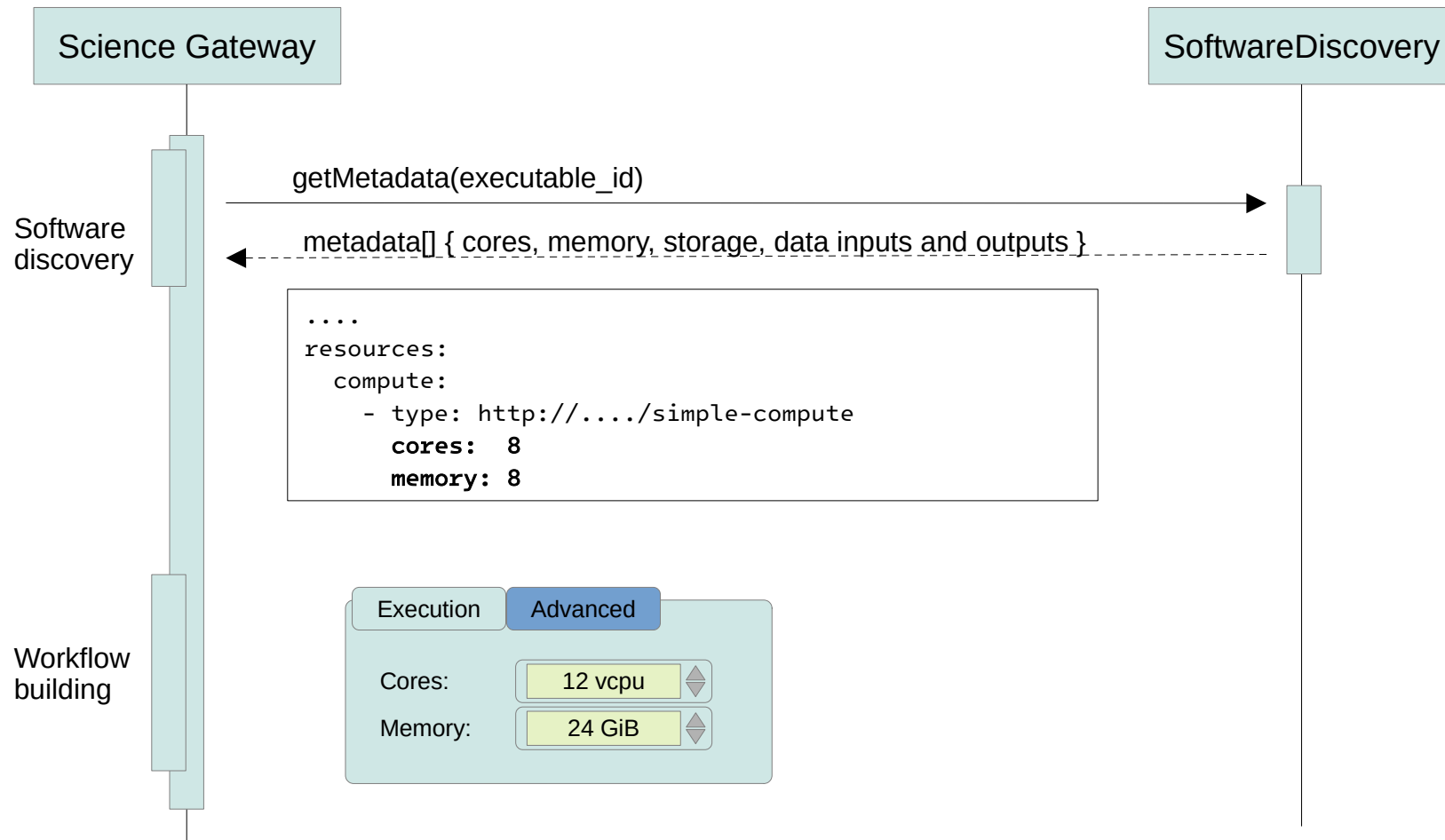
Metadata description includes compute, storage, and **data resources** required by the software





## Revised sequence diagram

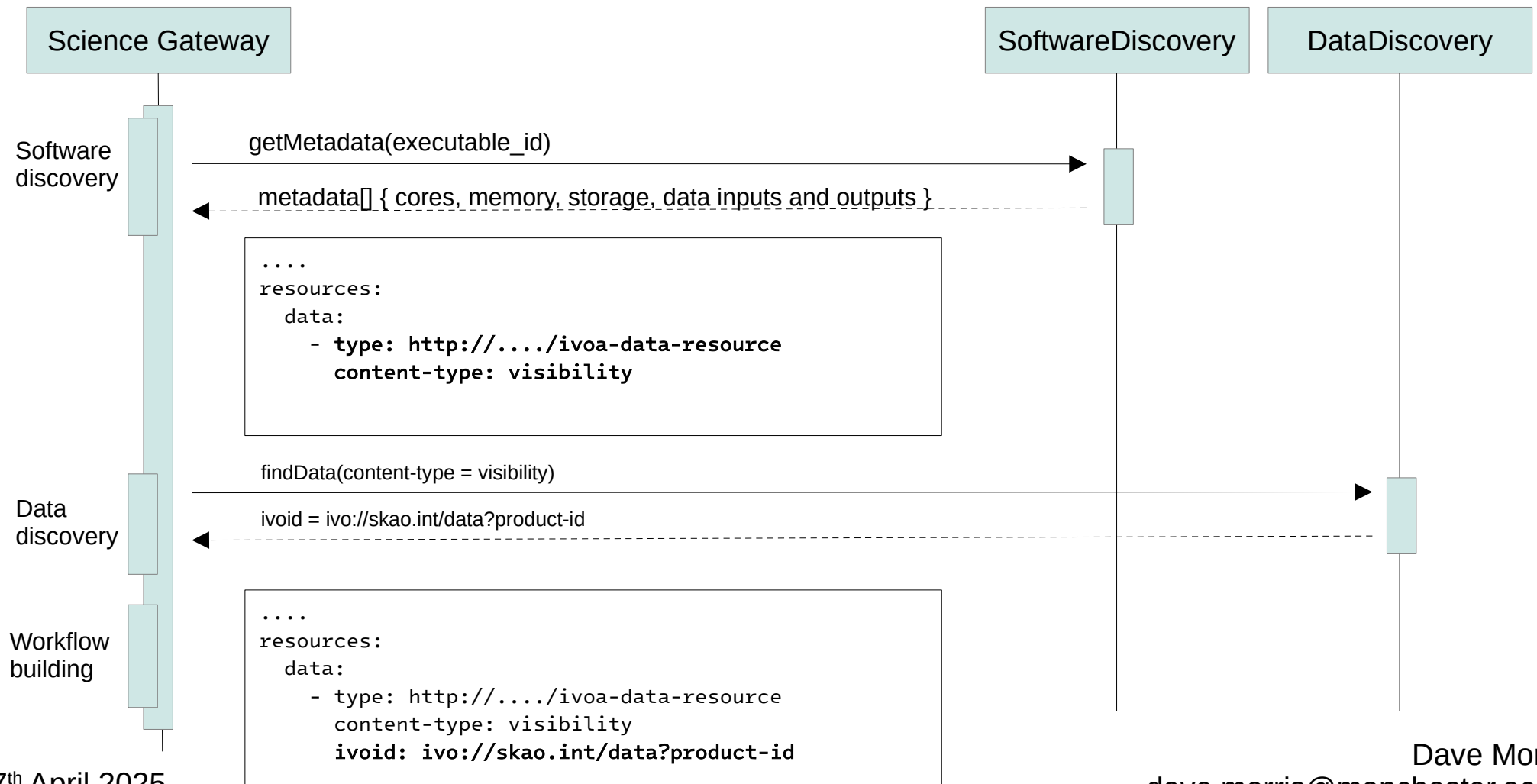
Science Gateway advanced tab allows the user to override the default requirements





## Revised sequence diagram

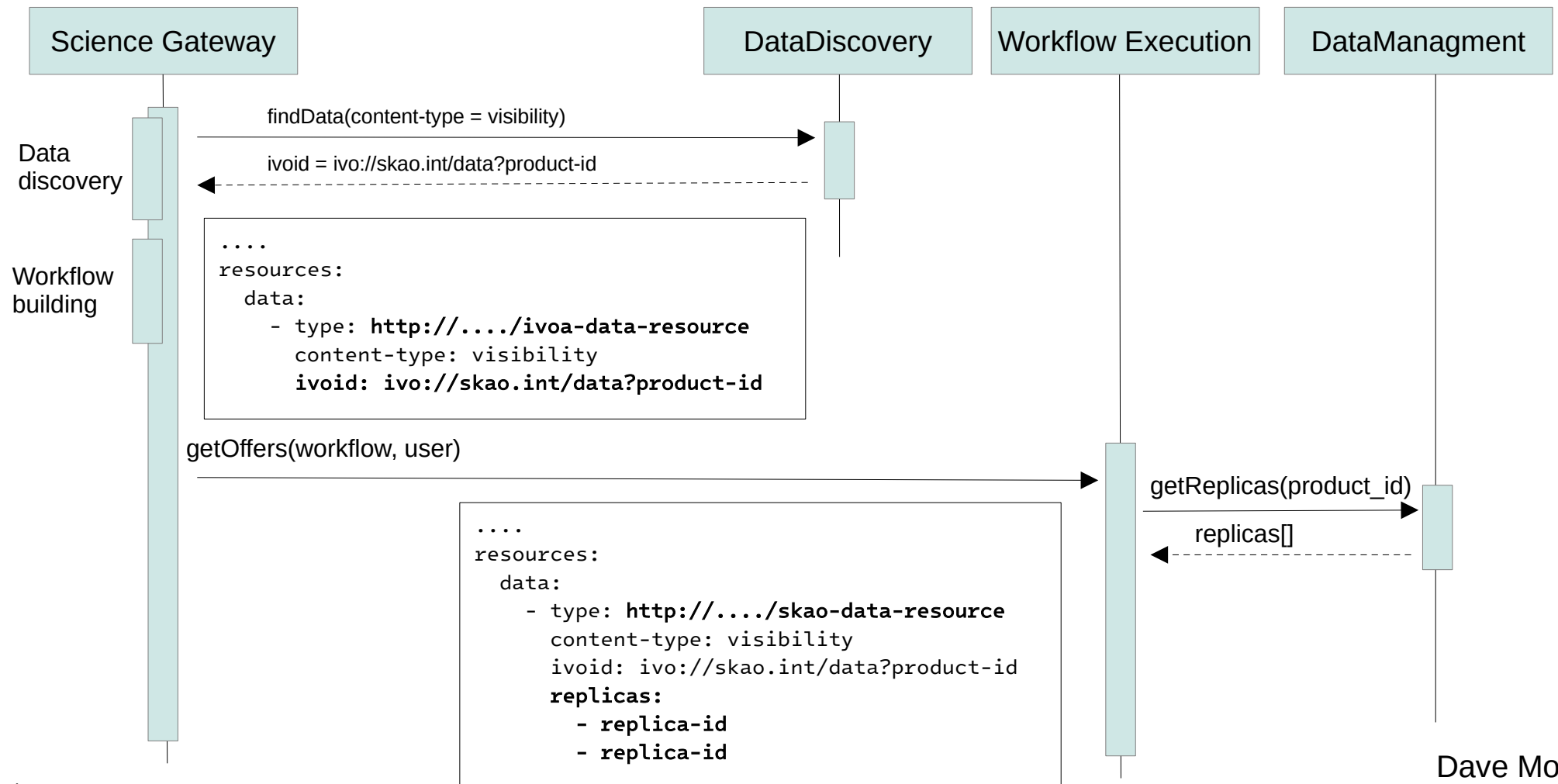
Science Gateway can use the list of data resources to prompt the user to select the relevant data





## Revised sequence diagram

Science Gateway adds ivoird references, Workflow Execution expands them to Data Lake replicas







## Revised sequence diagram

Workflow Execution sends list of Data Lake replicas to Execution Brokers

