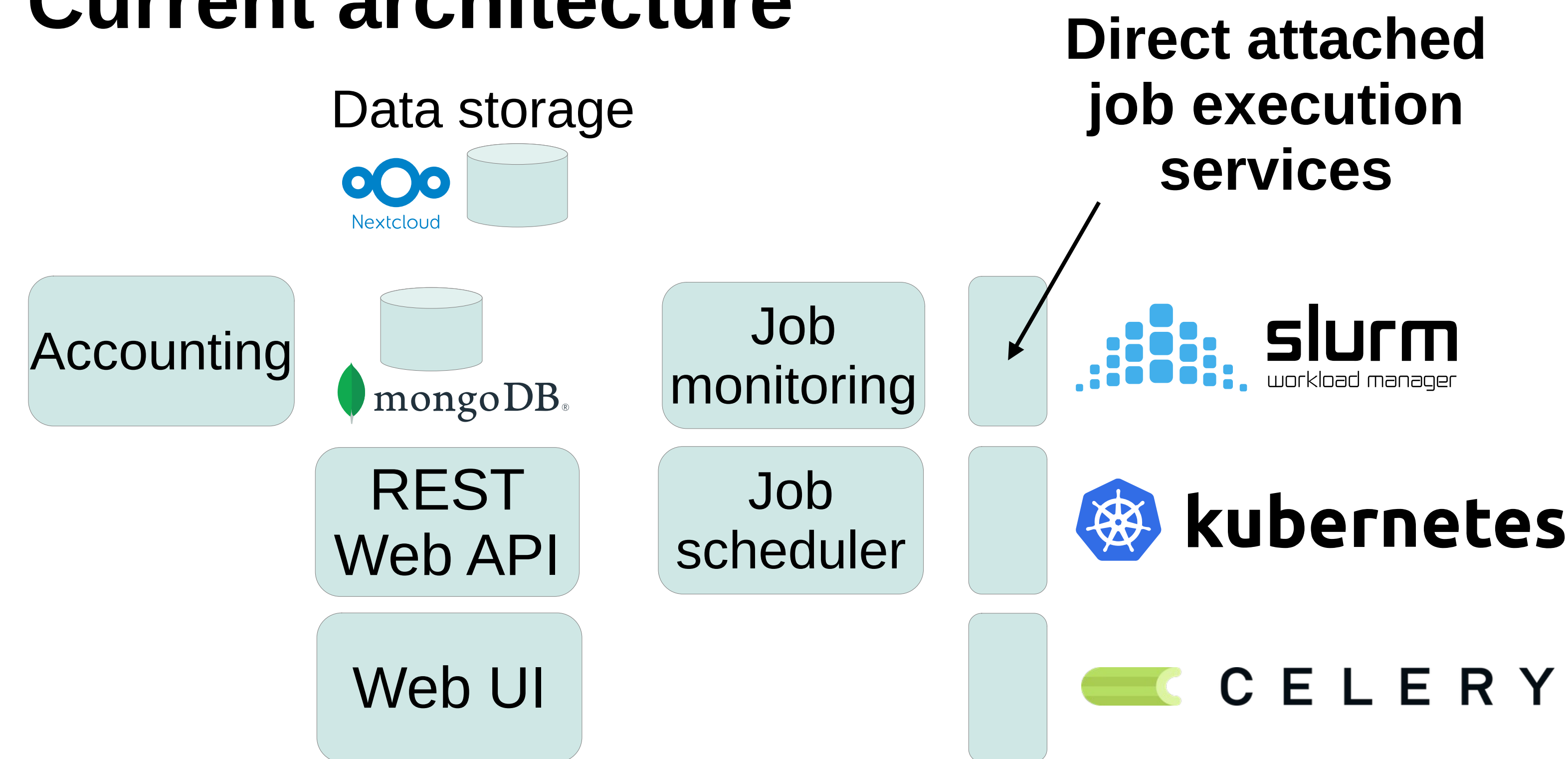


Current architecture



CIRASA is a visual analytic platform for advanced source finding and classification, integrating state-of-the-art tools, such as the CAESAR source finder, the ViaLactea Visual Analytic (VLVA) and Knowledge Base (VLKB).

caesar-rest [<https://github.com/SKA-INAF/caesar-rest>] is a REST-ful web service for astronomical source extraction and classification using the caesar source extractor [<https://github.com/SKA-INAF/caesar>].

The current implementation of caesar-rest can be integrated with a number of different job management services, such as Kubernetes, Slurm, or a local Celery service.

<https://doi.org/10.1016/j.ascom.2021.100506>

Prototyping the IVOA ExecPlanner

The **IVOA ExecutionPlanner** is an abstract service interface for a computing platform which asks :
“Can I execute this task on this platform?”.

<https://github.com/ivoa-std/ExecutionPlanner>

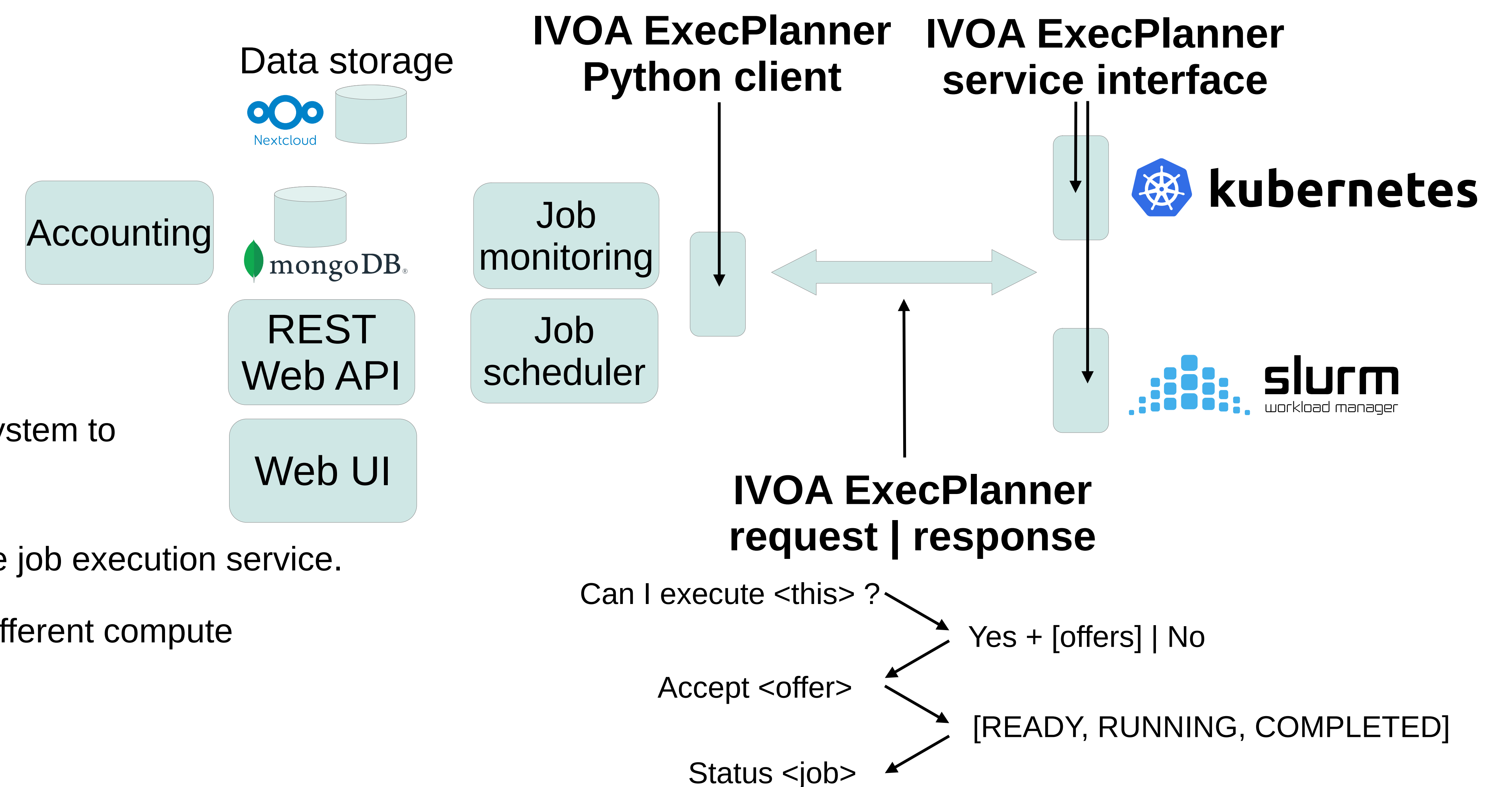
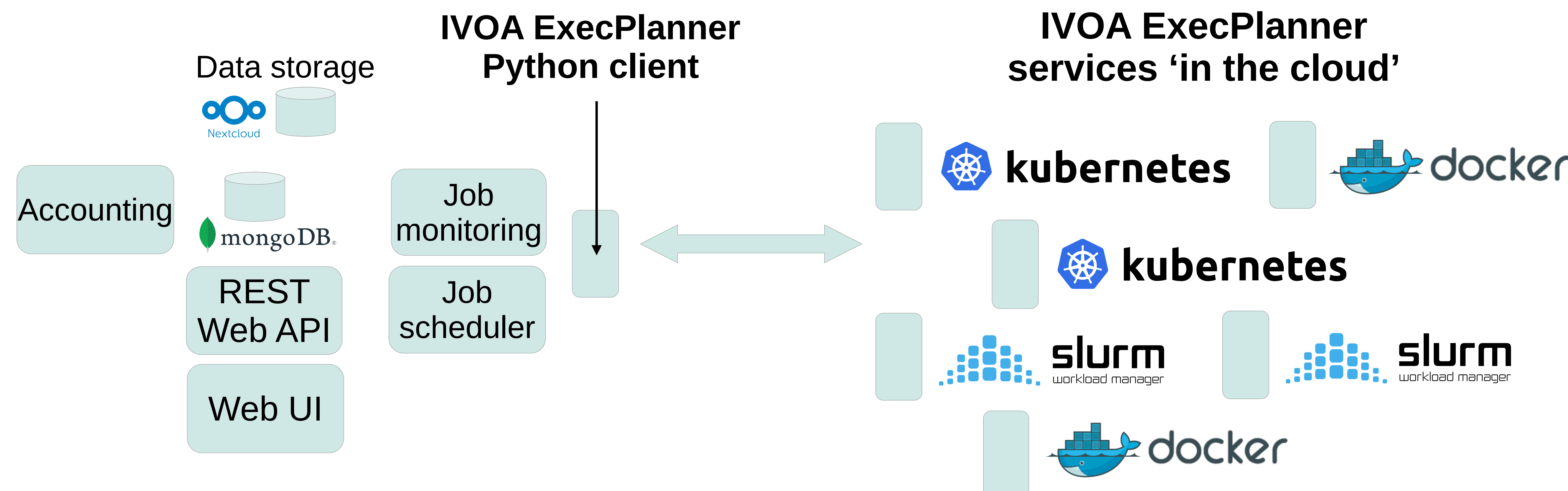
The IVOA ExecutionPlanner provides a standard interface for a thin software layer that can be implemented in front of a range of different compute platforms to make job submission and monitoring operations interoperable.

This project will explore designs for an ExecutionPlanner prototype to enable the caesar-rest system to make use of remote compute platforms.

The abstract ExecutionPlanner interface decouples the rest of the system from the details of the job execution service.

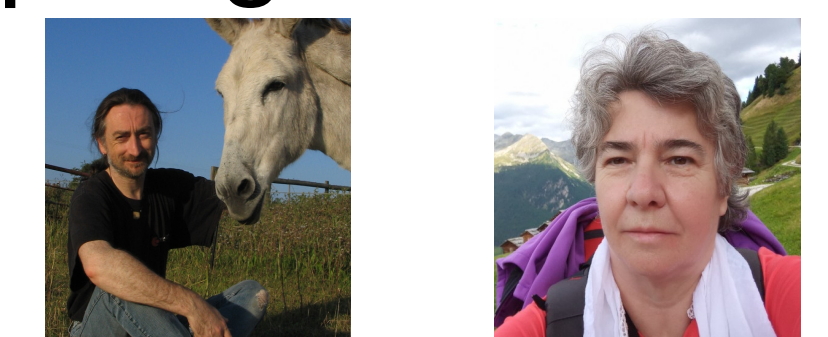
This would enable the caesar-rest system to act as a distributed application, using a range of different compute platforms from a community of federated services.

Remote execution ‘in the cloud’



INAF
PRIN-TEC
project

Dave Morris
<https://github.com/Zarquuan>



Sara Bertocco
<https://github.com/bertocco>
Marco Molinaro
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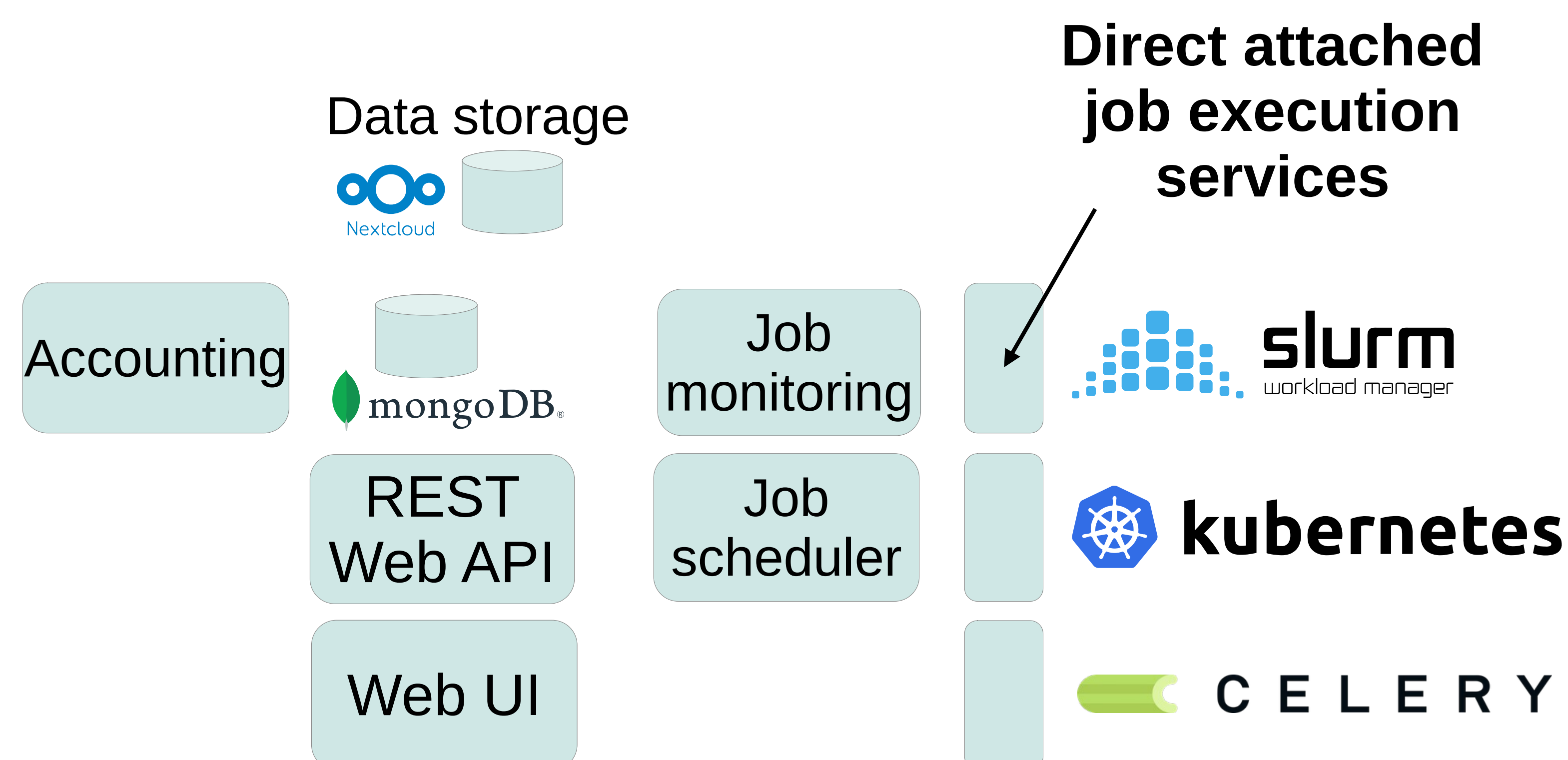
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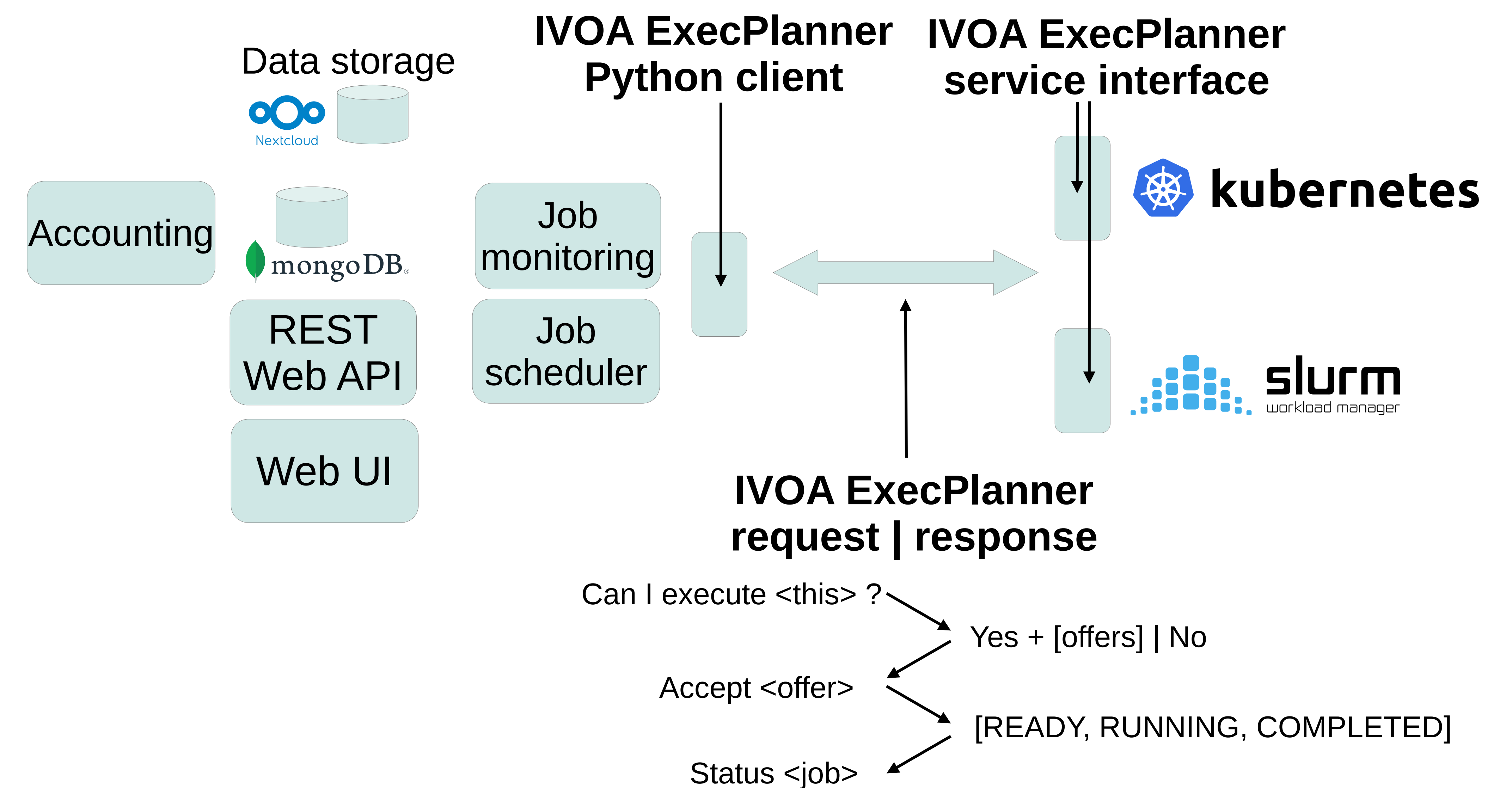
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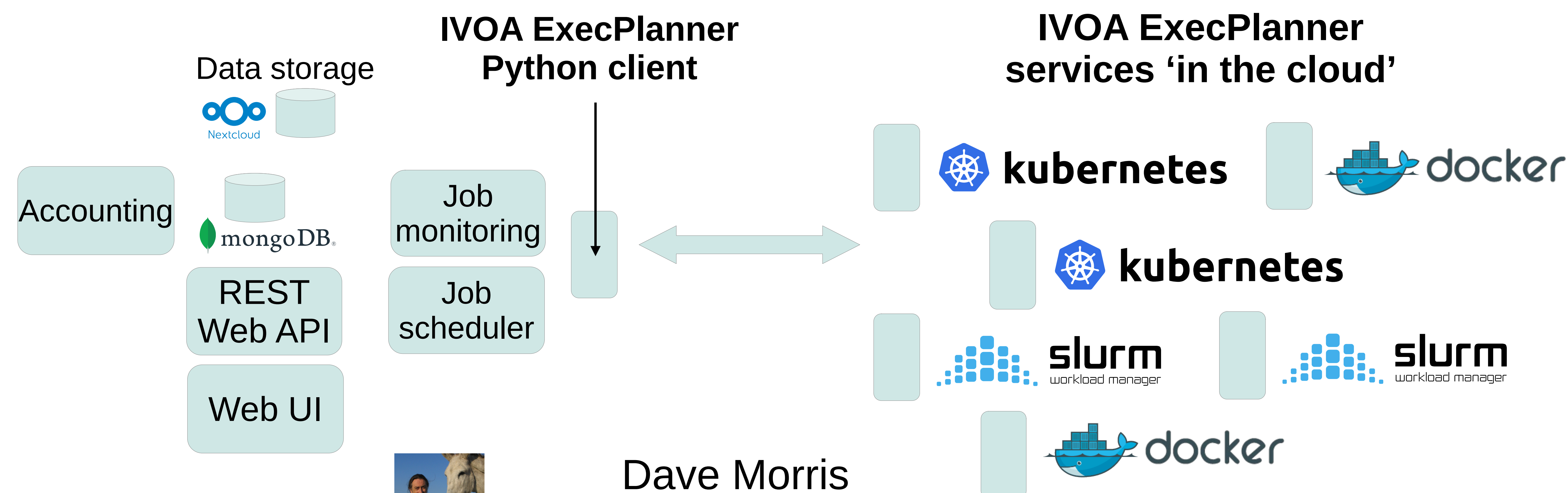
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