Clouds, containers and R,

towards a global hub for reproducible and collaborative open data science

AngletR 2017

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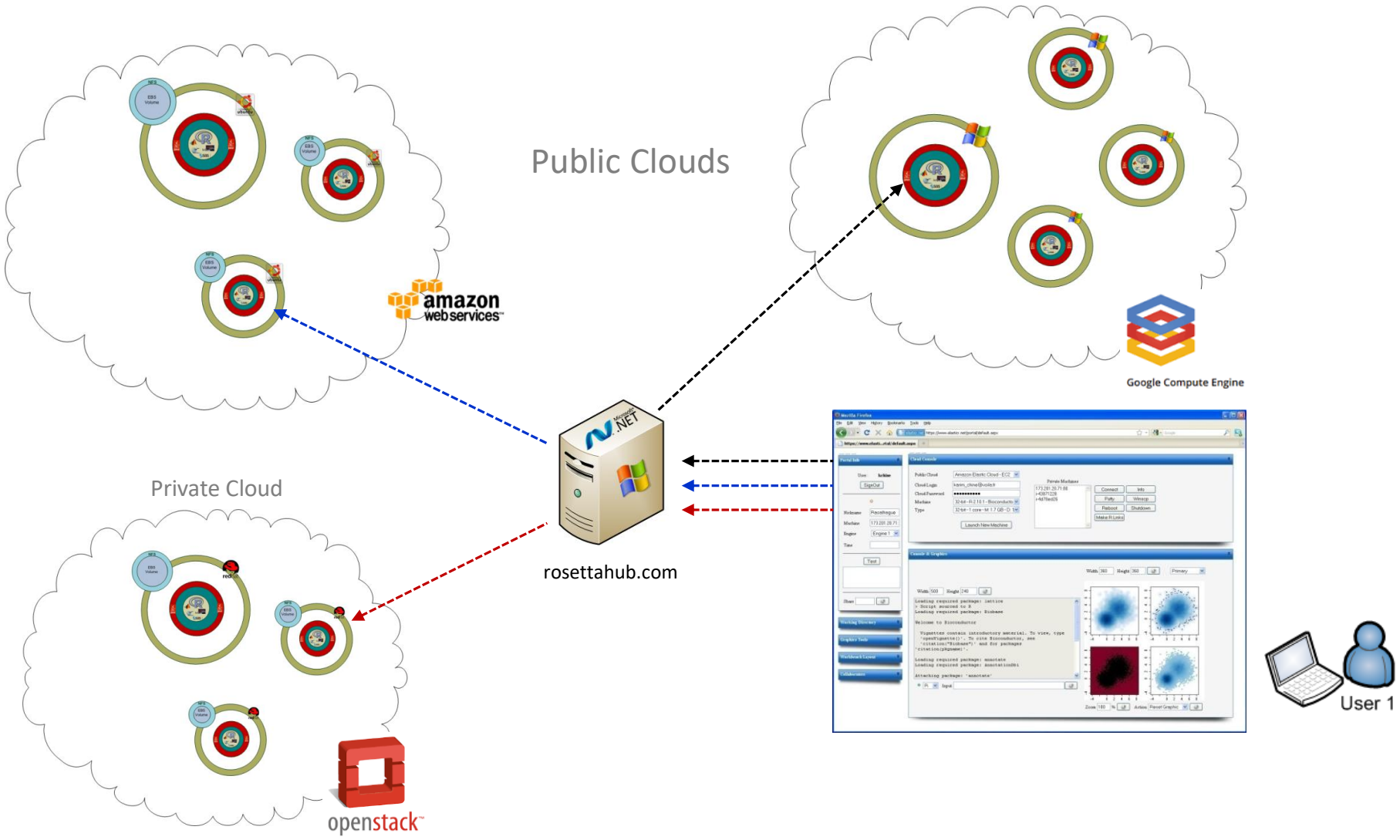
What is RosettaHUB?

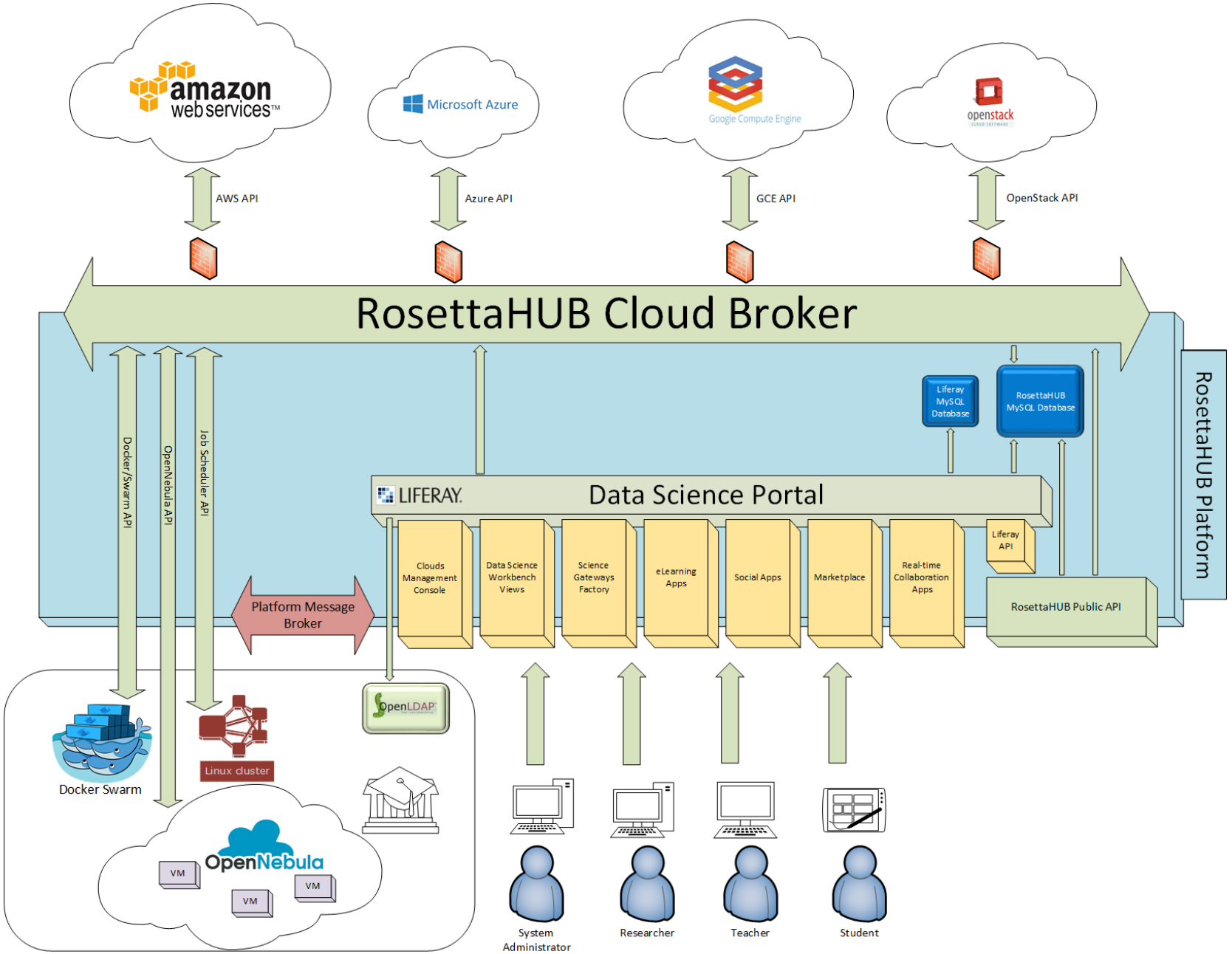
The RosettaHUB platform and hub connects the dots between **clouds**, **containers**, **research software**, **real-time collaboration frameworks** and **social portals**.

It delivers a **virtual environment,** an **API** and a **marketplace** that foster **usability**, **reproducibility**, **shareability** and **auditability** at all layers of interactions between scientists and the research tools and infrastructures.

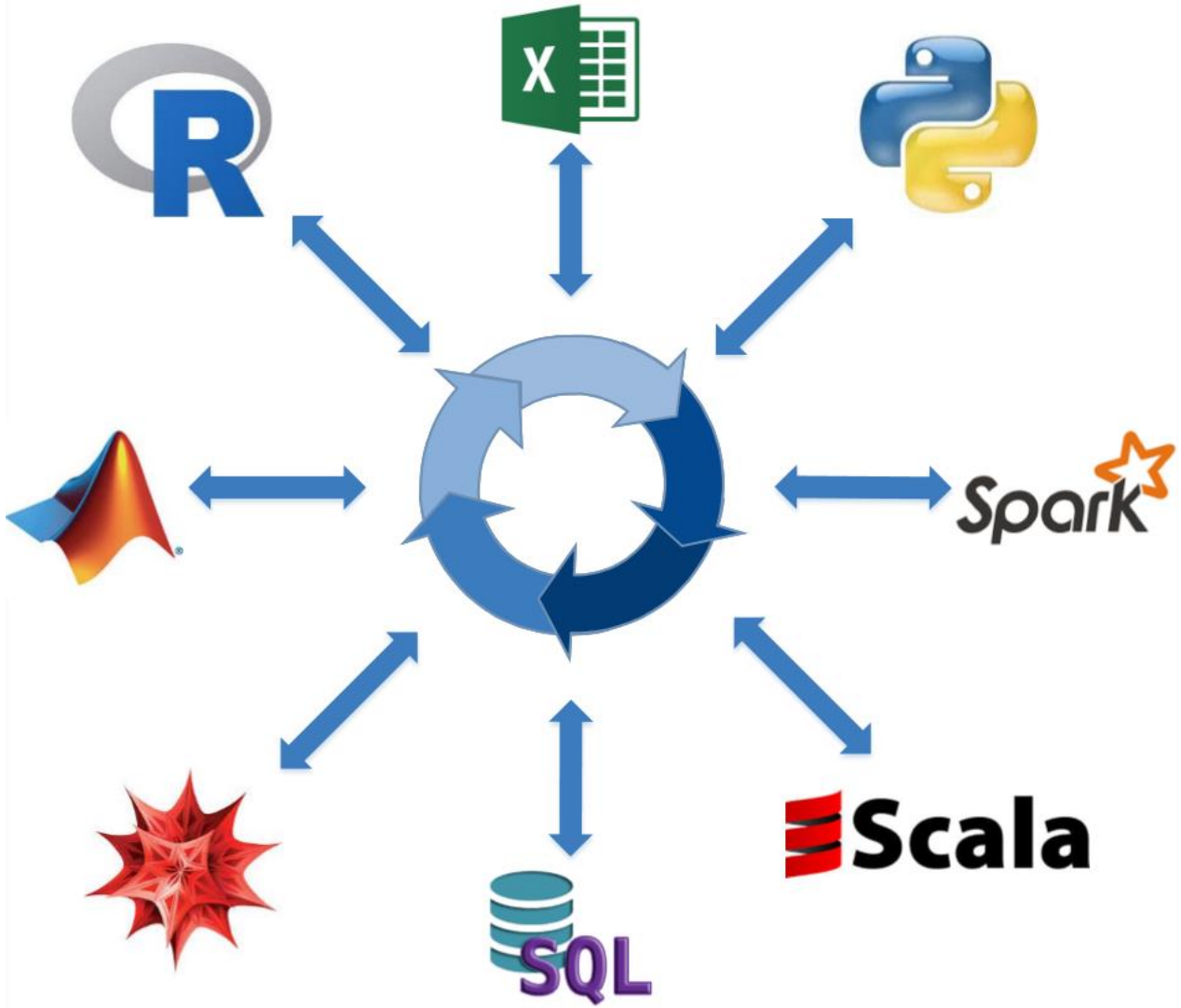
Usability: meta cloud and converged infrastructures



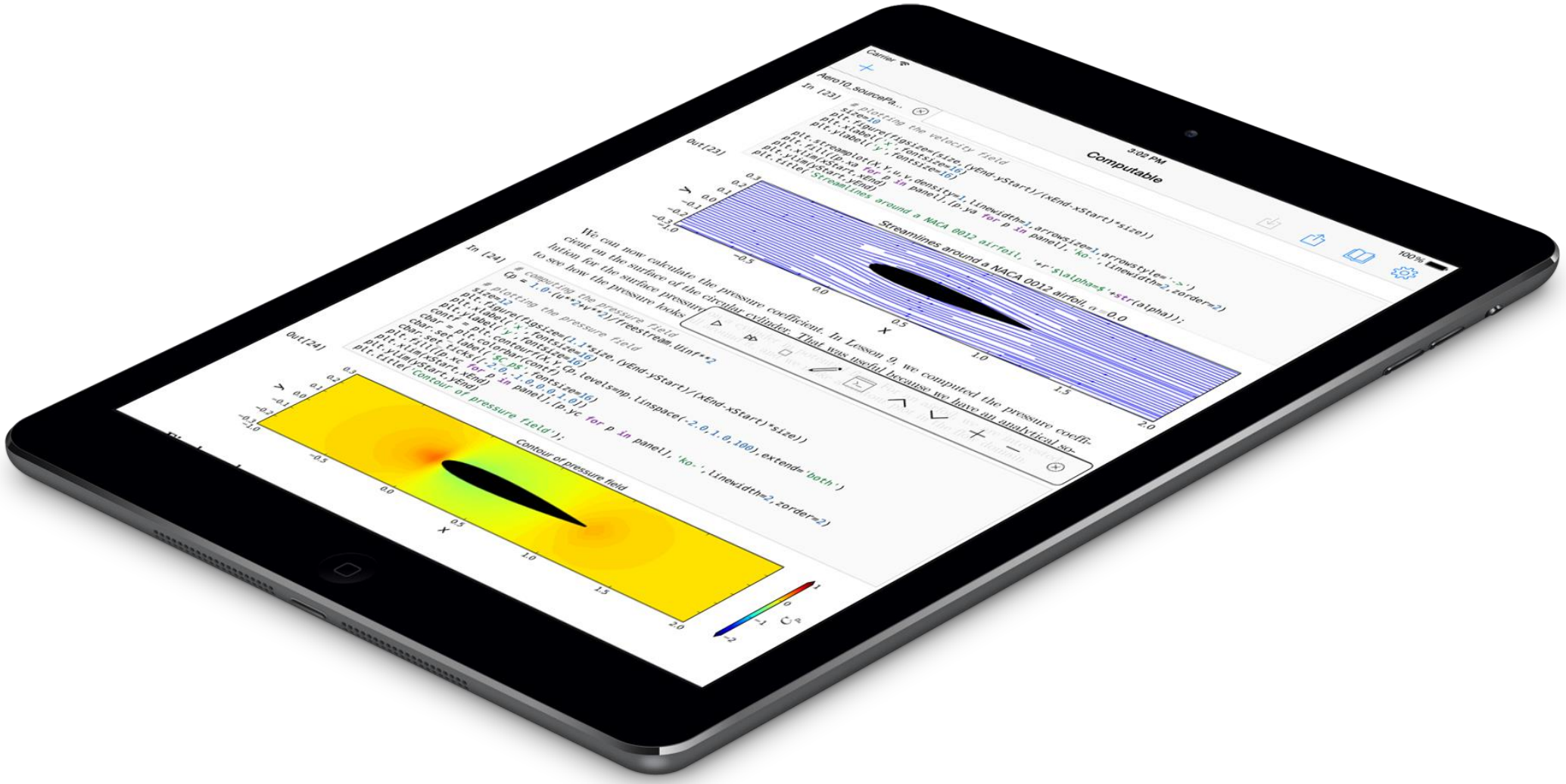
Usability: meta-social platform, converged RBAC for pubic clouds



Usability: meta kernels and converged computing environments

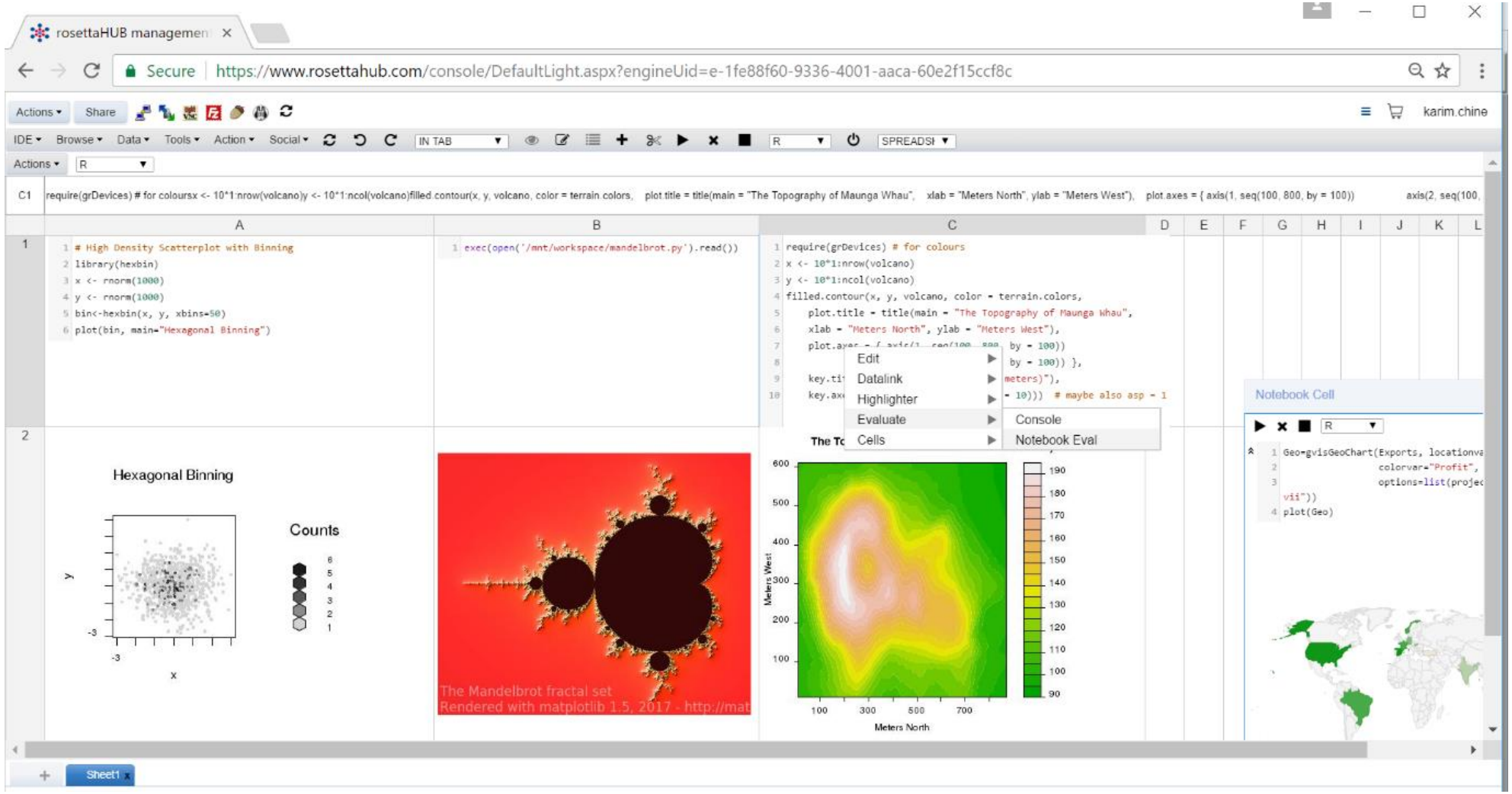


Usability: Mobile-centric architectures and interaction design, Data Science on the iPAD

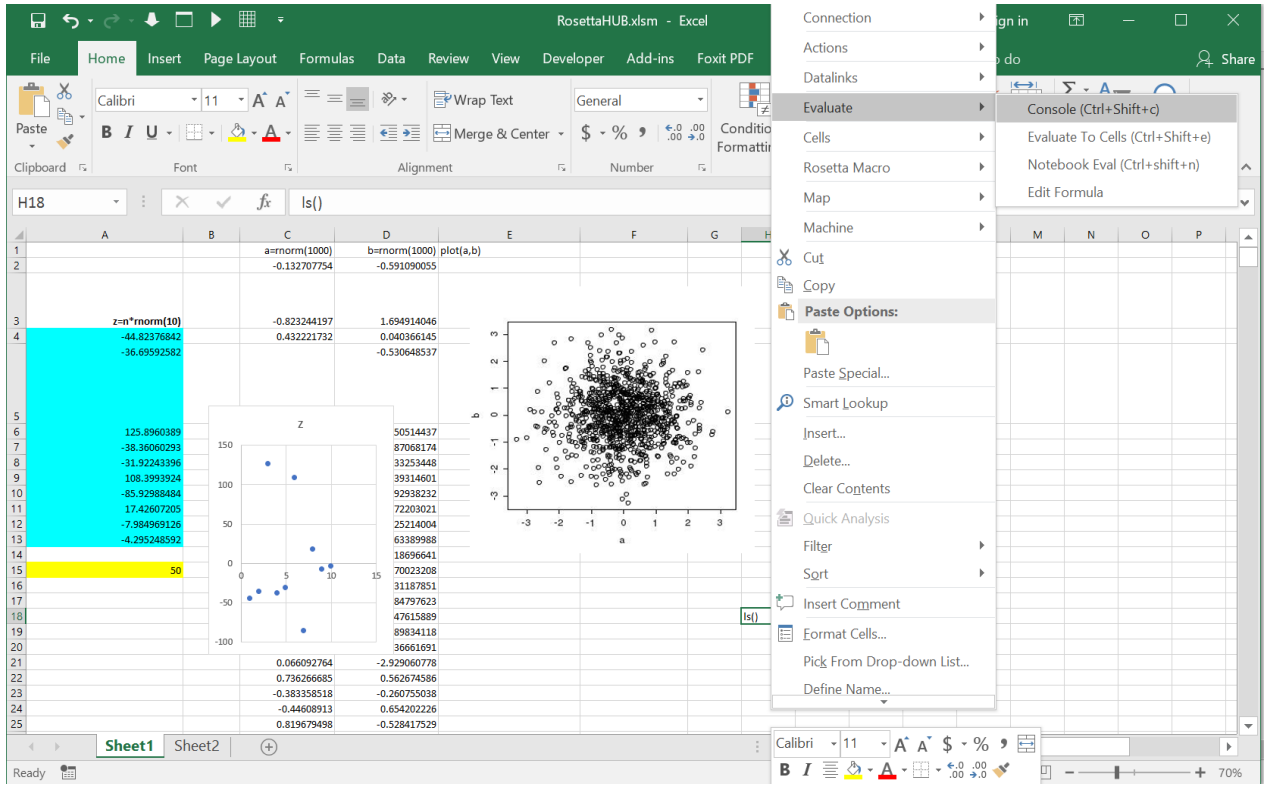


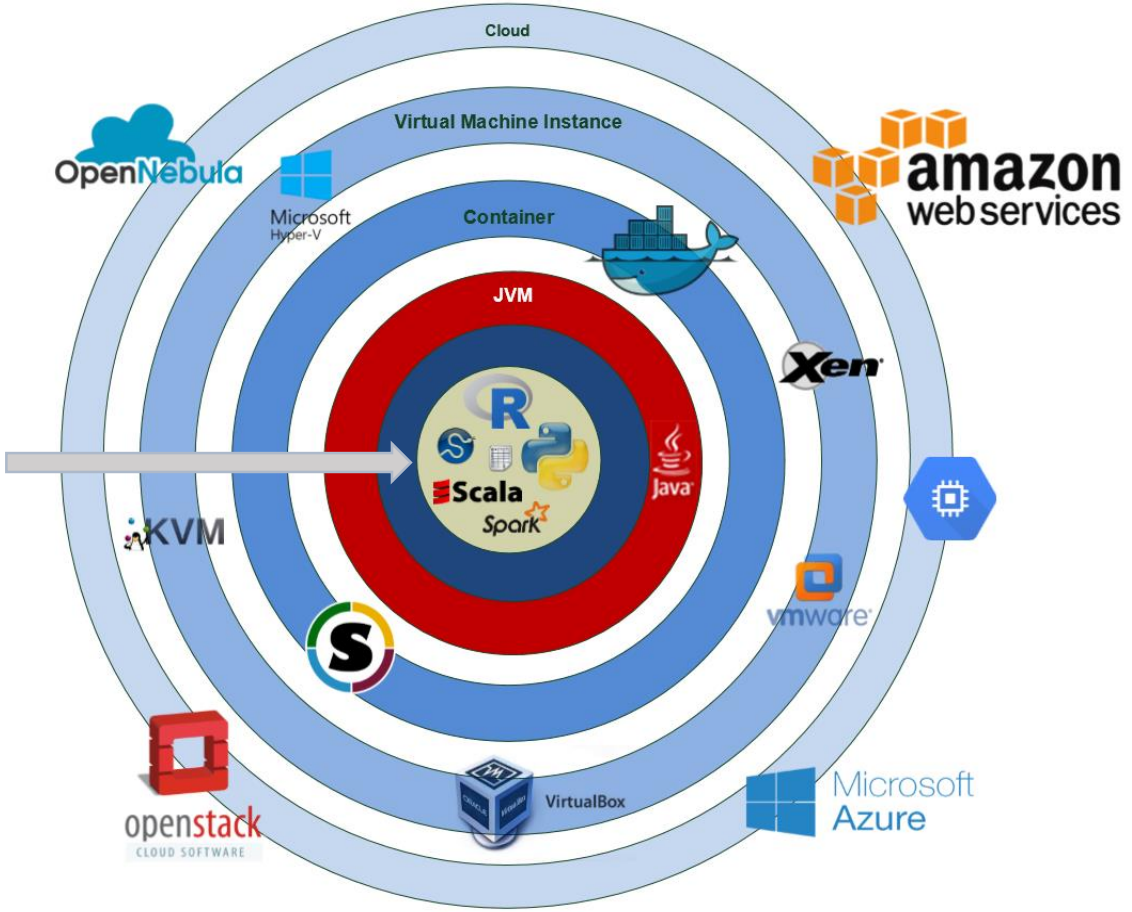
Source: http://computableapp.com

Usability: Merging the spreadsheet and the notebooks paradigms

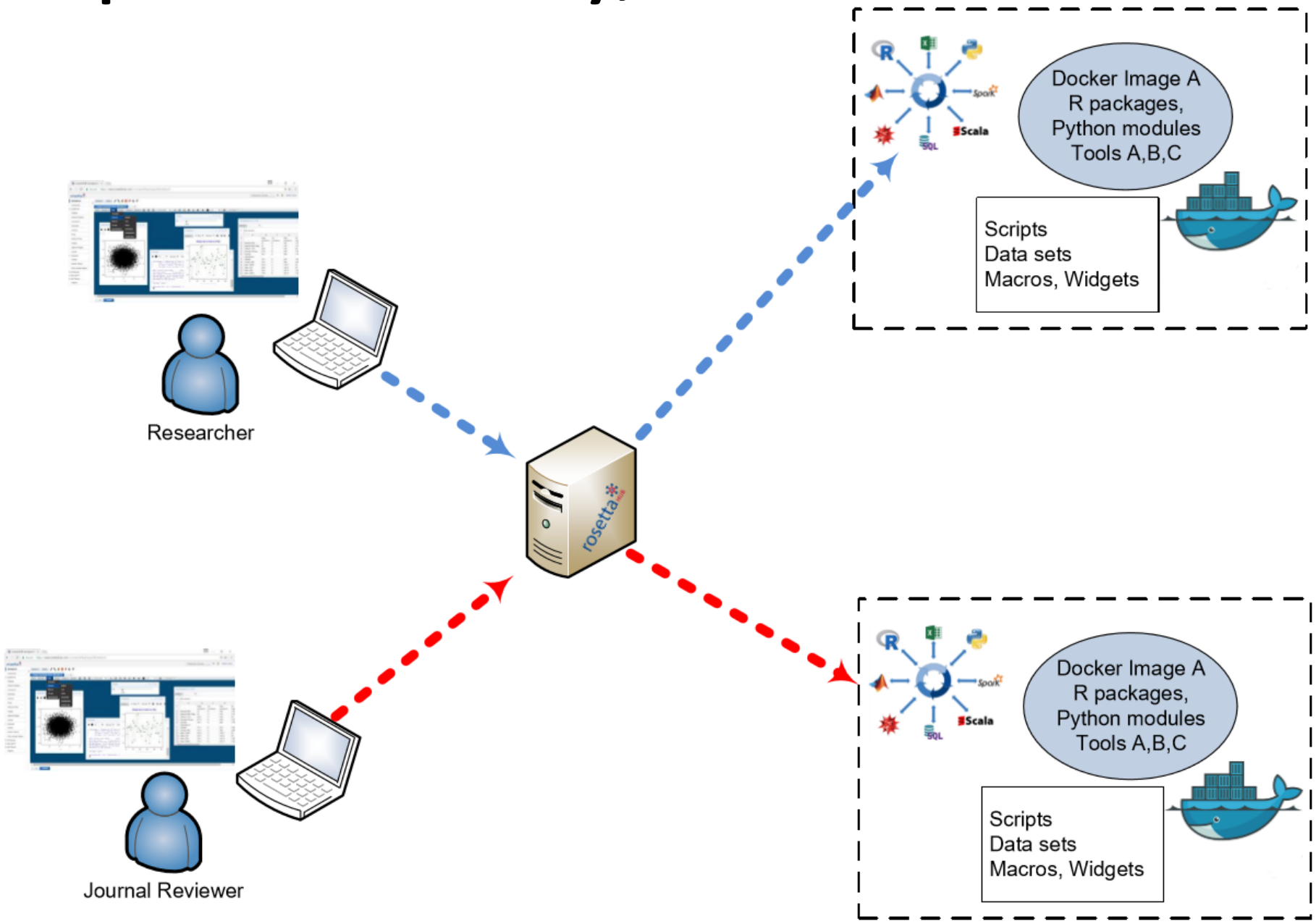


Usability: Take the compute to the data, remote control from the desktop tools

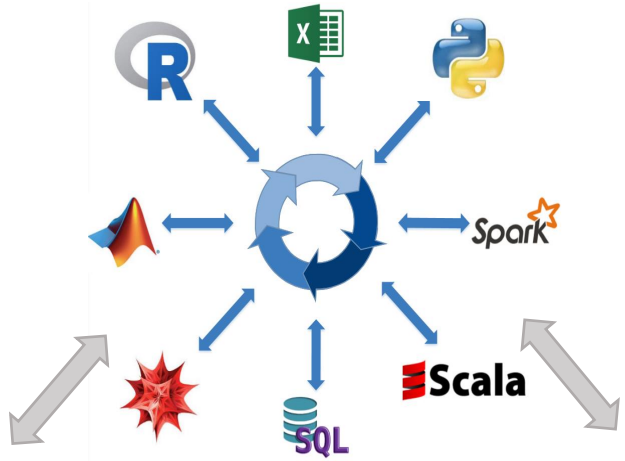


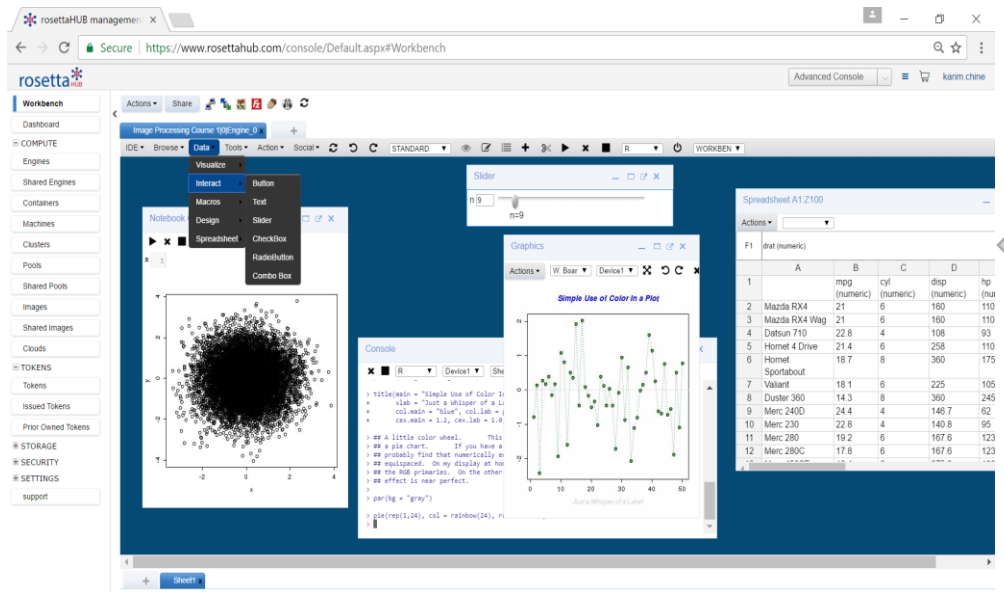


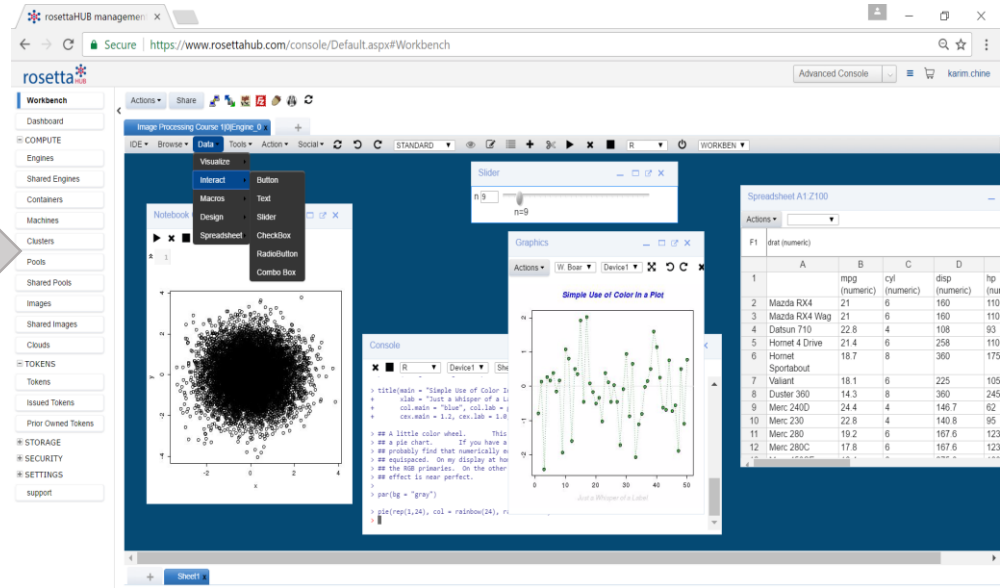
Reproducibility, Docker, Singularity & converged CloudFormation

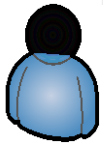


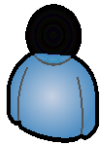
Shareability, Everything-as-a-URL & ubiquitous real-time-collaboration











Shareability,

A democratic marketplace for data science apps

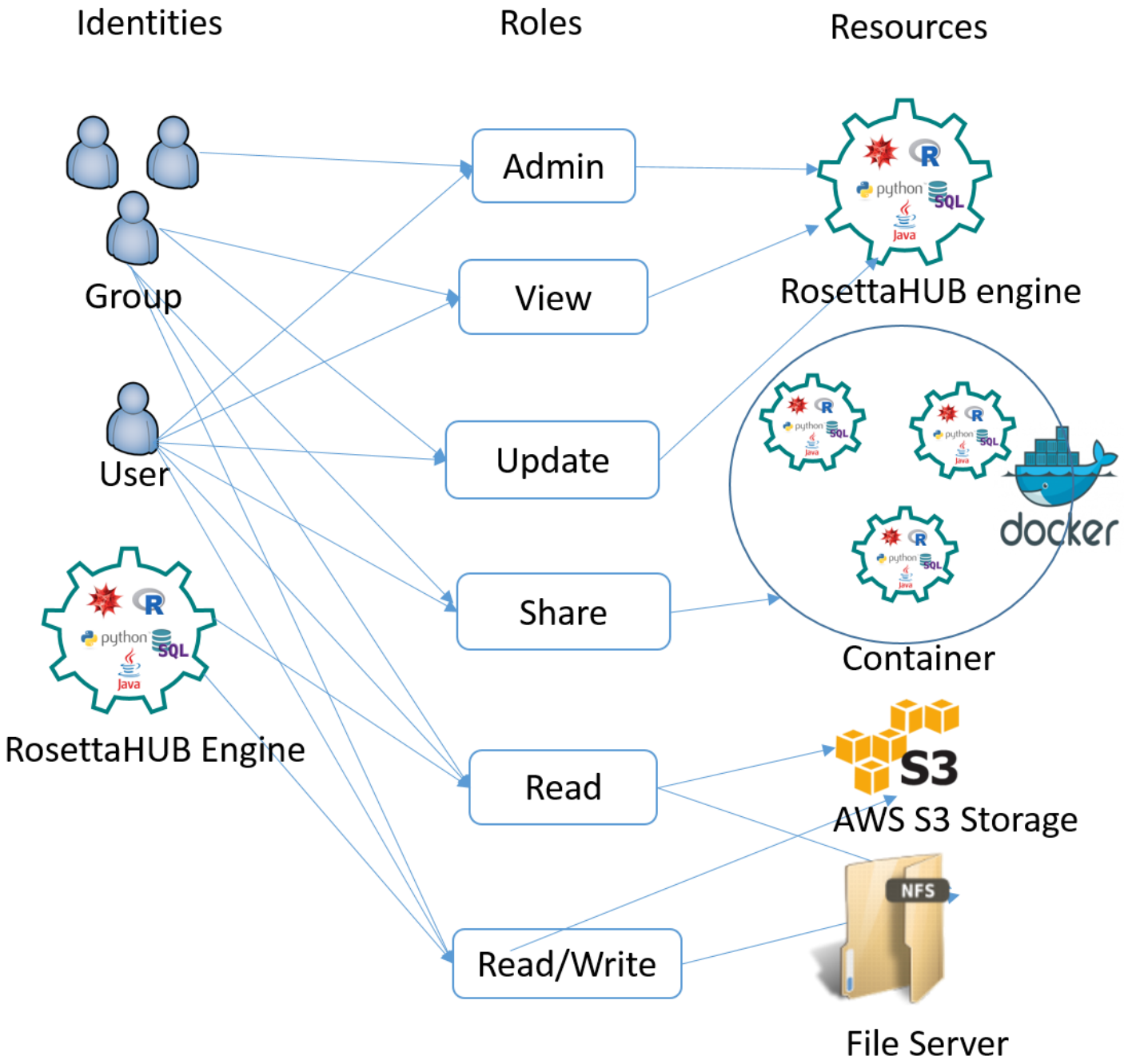
Towards an “ebay of scientific apps and analytics”

Shareability,

A democratic marketplace for self-run containers-centric clouds

Towards an “airbnb of containers”

Auditability



aws educate

Institutions

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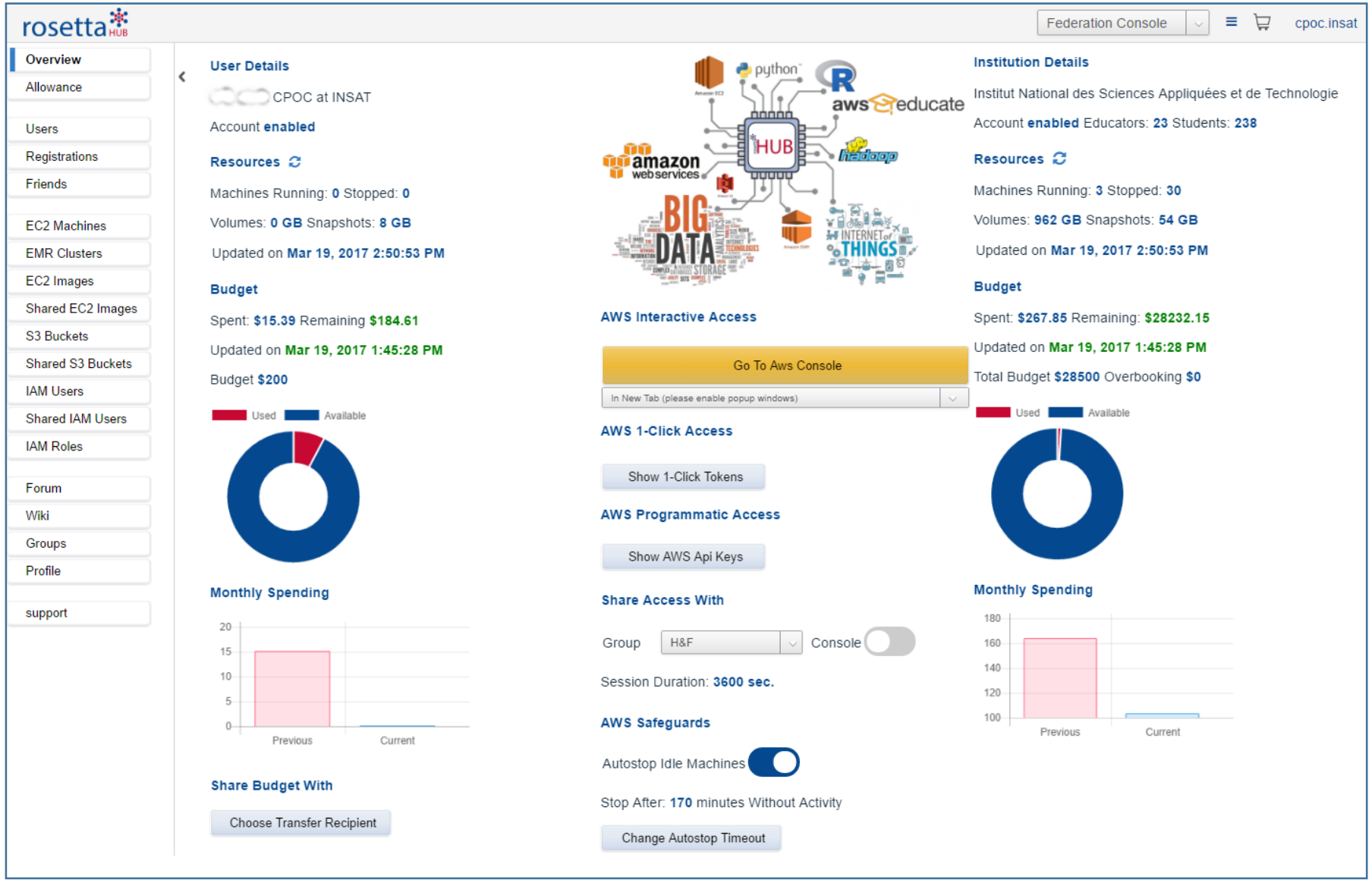
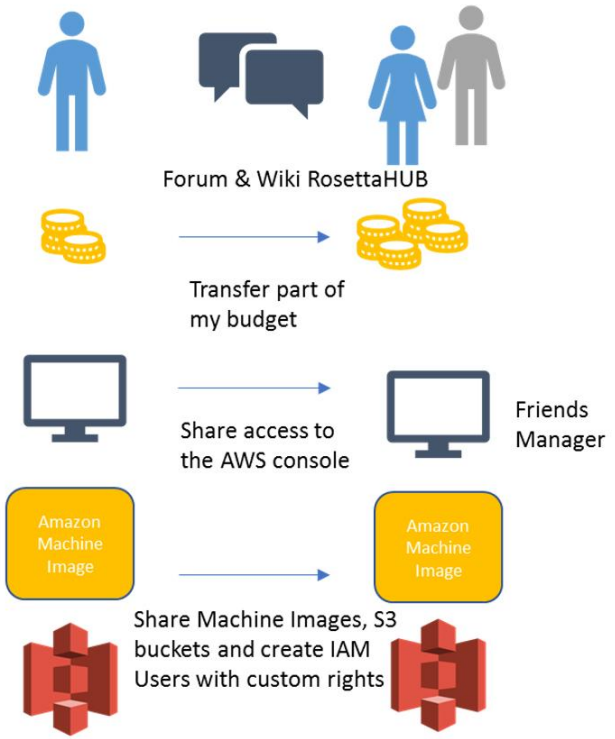
RosettaHUB / AWS Educate





The RosettaHUB/AWS Educate initiative

> 40 higher education institutions and research Labs

> 4000 researchers, educators and students

~ 500 000 USD of AWS credits renewable every year

Students, educators and researchers access the full spectrum of AWS cloud computing, big data, machine learning and IoT Services

Join RosettaHUB:

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OR

(for students, educators and researchers)

Register to the RosettaHUB/AWS Educate initiative:

(get an active AWS account, renewable 100 USD or 200 USD of AWS credits and a federated account on RosettaHUB)

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