Describing Science Platforms

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May 2020

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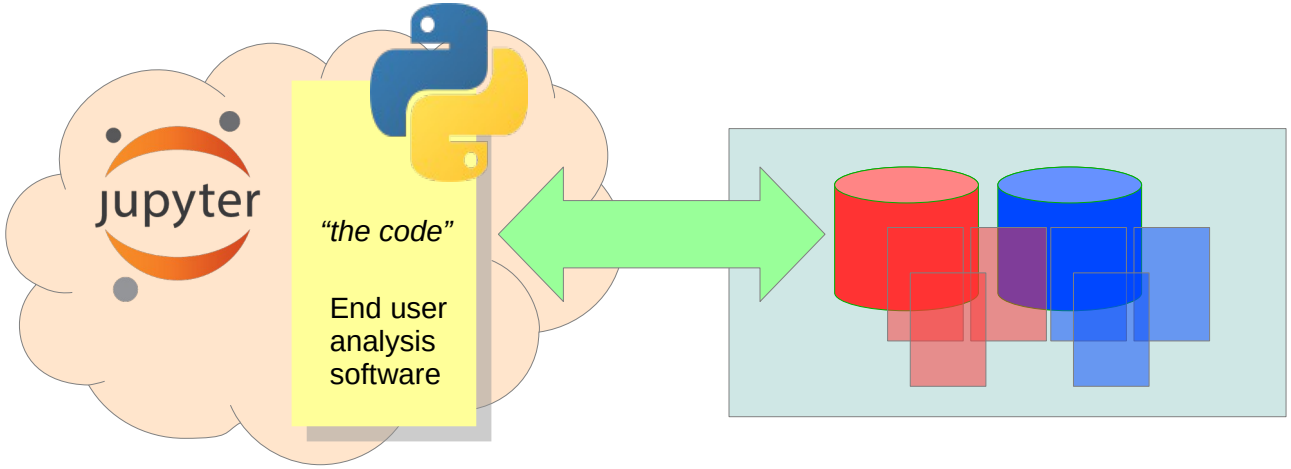
- For example JupyterHub
  - A service that enables users to run their Python code on a *server*(*) in a data centre.
  - In *close proximity*(*) to the data being analysed.
  - Local network (LAN) connection provides *high bandwidth*(*) *access* to the data.



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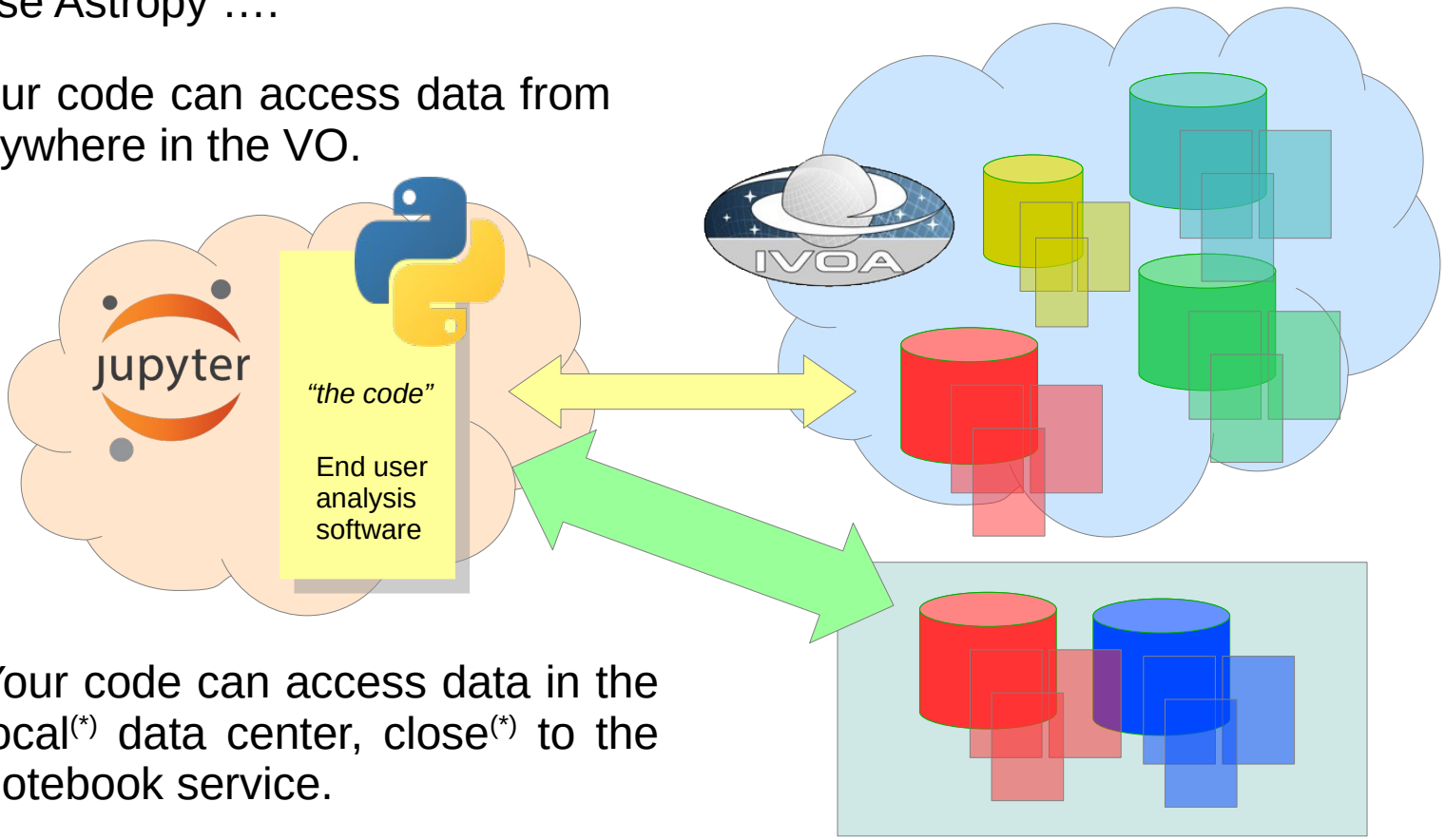
If your code can use Astropy ….

- Your code can access data from anywhere in the VO.



- Your code can access data in the local(*) data center, close(*) to the notebook service.

How do you know which copy of the data to use ?

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'Zone' membership
for services and data

EUROPEAN OPEN SCIENCE CLOUD

European network

University network

International network

janet

UK national network

Department data center

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ROYAL OBSERVATORY EDINBURGH

IVOA

'Zone' membership
for services and data

ESCAPE
European Science Cluster of Astronomy & Particle physics ESFRI research Infrastructures

gaia

IVOA

LSST
Large Synoptic Survey Telescope

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Simple 'Zone' membership for services and data

Service registration lists which zones it is in

Client software can work out what that means ?

Does that give us enough information to choose ?

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