The compute cluster *lisa*

Arthur Newton, Christine Staiger

ELIXIR

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Training setup

login

Lisa login node

Python API

1. Connect to iRODS
2. Up and down load data
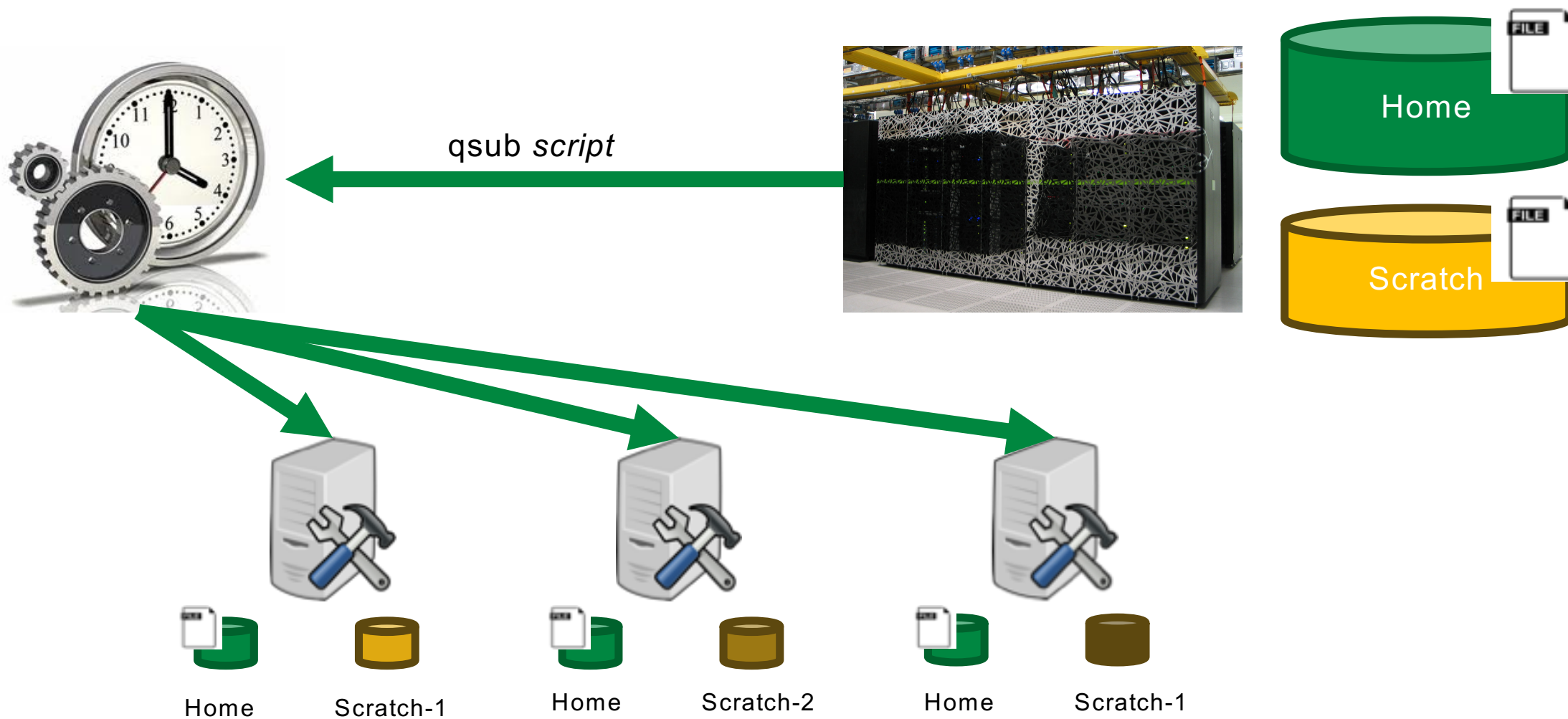3. Annotate data
4. Search for data in iRODS

Training setup

- **What is a Supercomputer?**

  - A fast computer

  - A large computer (memory/storage)

  - An expensive computer (millions of € for hardware, electricity and man power)

- **Why/when do you need a Supercomputer?**

  - If your task would take months/years on a normal PC

  - If your task requires more space (memory/storage) than available in PC

- **What is the difference?**

  - Cartesius – larger "blocks" (capability computing – fewer large scale jobs)

  - Lisa – smaller "blocks" (capacity computing – more small(er) scale jobs)

  - Cartesius – expensive expensive

  - Lisa – cheaper, but still expensive
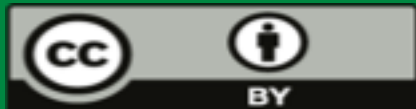
Lisa

Lisa login node

qsub *script*

Home

Scratch

Home   Scratch-1   Home   Scratch-2   Home   Scratch-1

Thank you! Questions?

Slides based on PRACE iRODS training:

      Zheng Meyer-Zhao, Arthur Newton, Christine Staiger

      Data Management with iRODS, Sept 2017

      https://events.prace-ri.eu/event/638/

arthur.newton(at)surfsara.nl
christine.staiger(at)surfsara.nl

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