

# **COMPUTE CLUSTER LISA**

# What, why, when Supercomputer?

- What is a super computer?
  - A fast computer
  - A large computer (memory/storage)
  - An expensive computer
- 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 on your PC

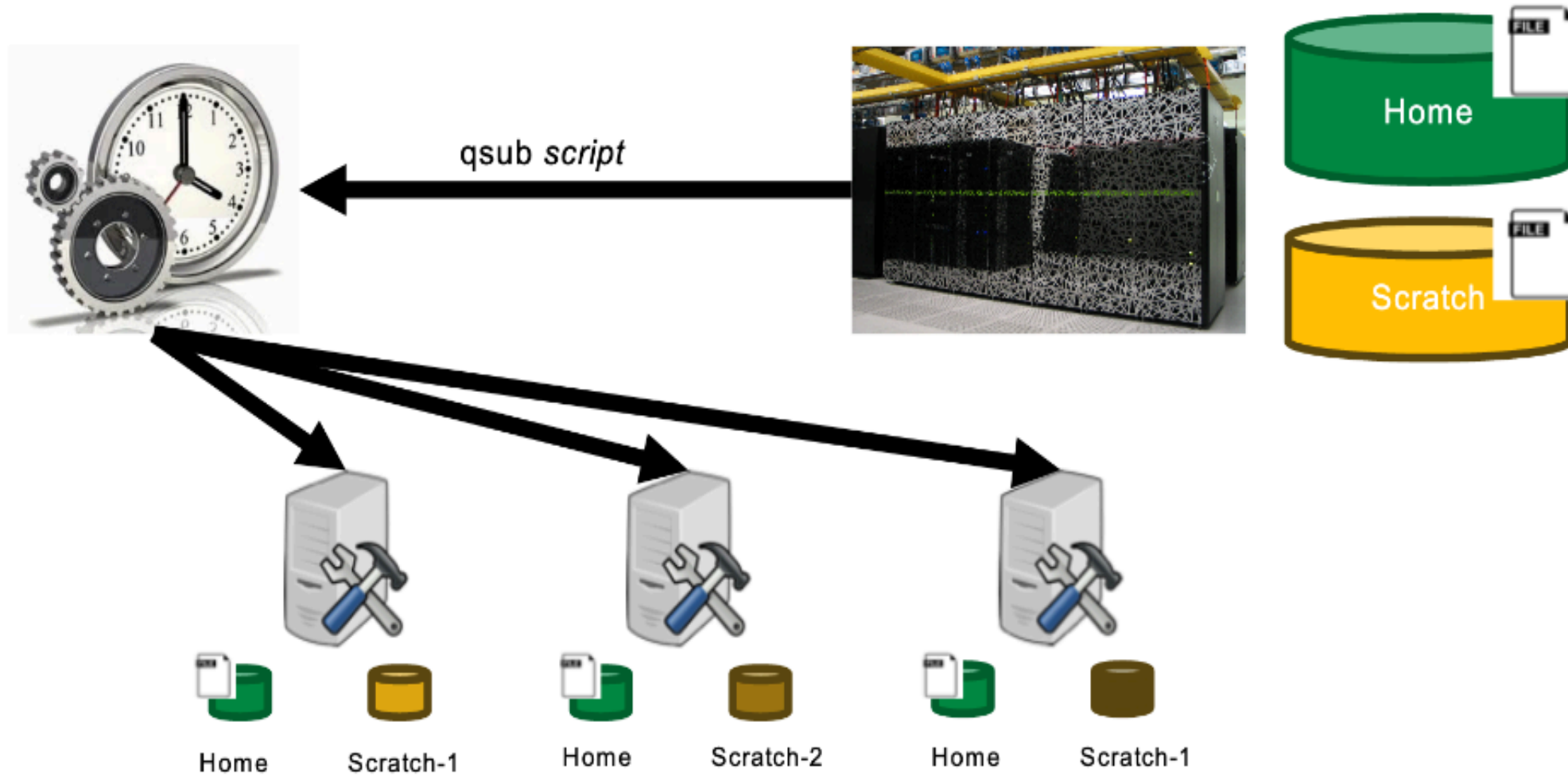
# Compute clusters SURFsara

SURFsara has Cartesius and Lisa computer clusters

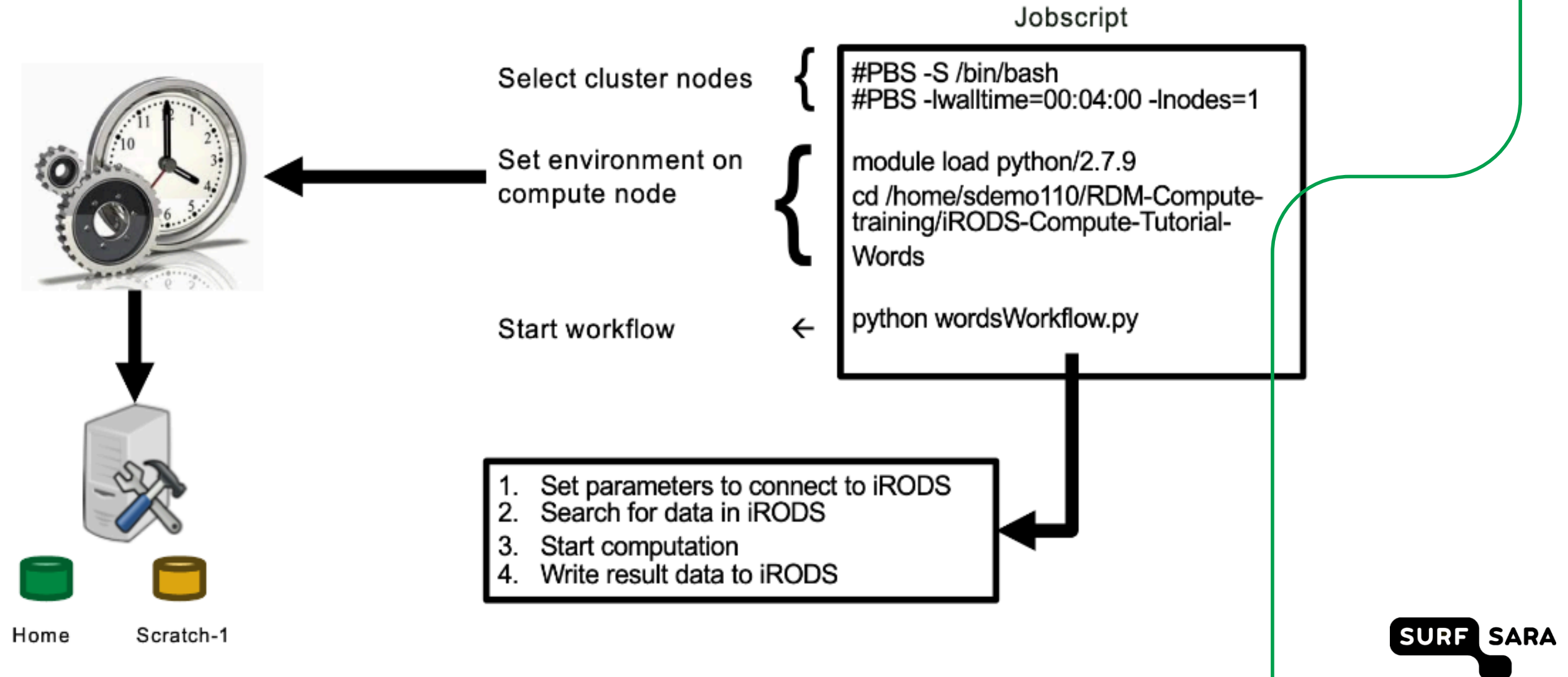
What is the difference?

- Cartesius - Larger blocks  
(capability – fewer large scale jobs)
- Lisa - Smaller blocks  
(capacity computing – more smaller scale jobs)
- Cartesius – expensive expensive
- Lisa – Cheaper, but still expensive

# Lisa



# Workflow 1 - Wordcount



# Optional Workflow 2 - ACES

