OAK RIDGE National Laboratory

Monthly Photon/Neutron/Muon Community Meeting

7 June 2023

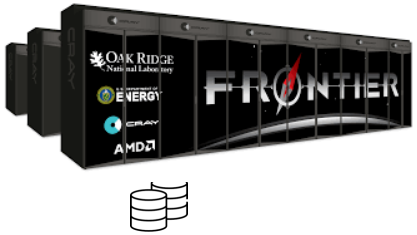
ORNL is managed by UT-Battelle LLC for the US Department of Energy

U.S. DEPARTMENT OF ENERGY

Research sponsored by the Laboratory Directed Research and Development Program of Oak Ridge National Laboratory, managed by UT- Battelle, LLC, for the U. S. Department of Energy

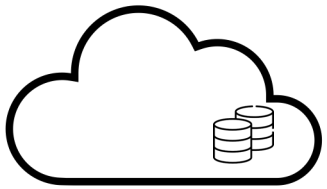
Data Management Problem

HPC



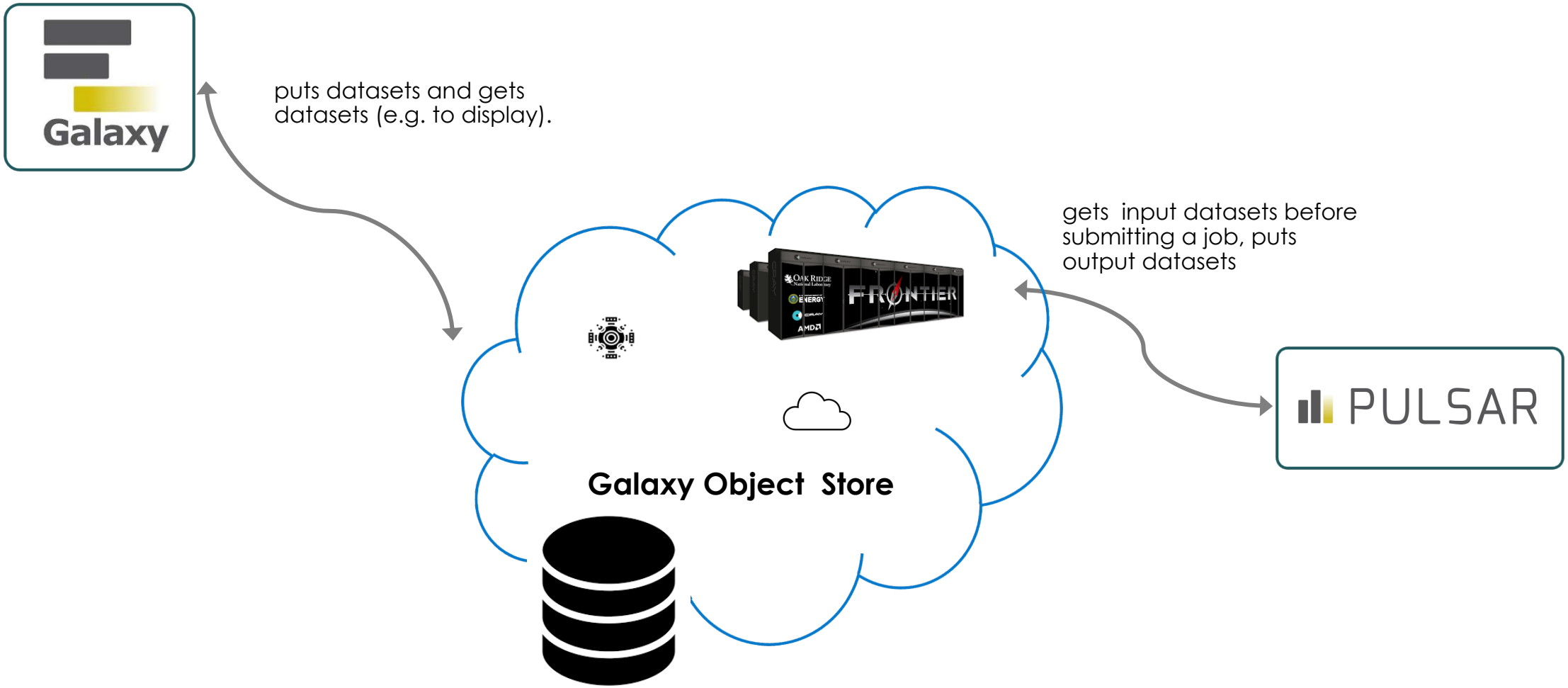
Experiment

Cloud

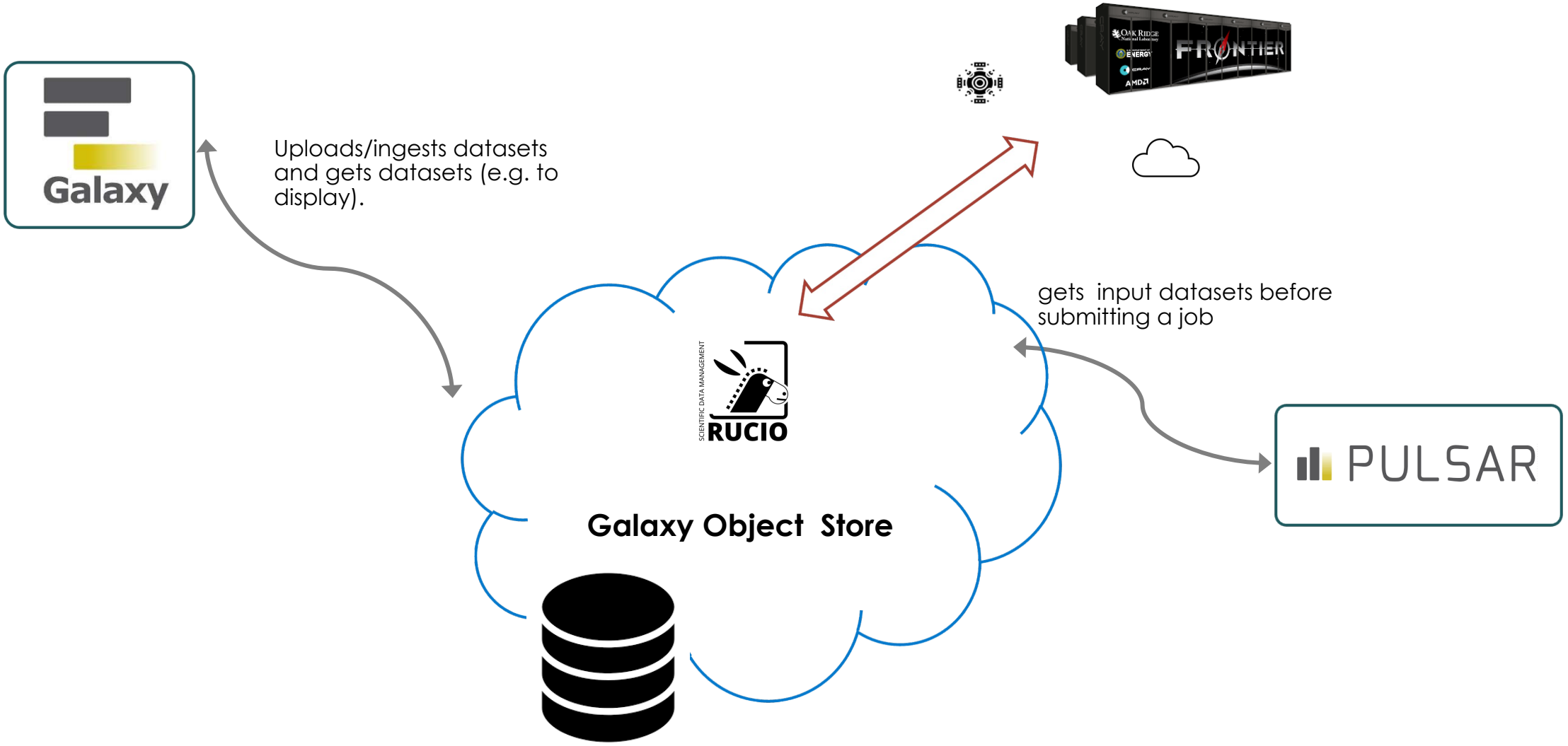


- We have multiplte “islands” of data
- We want it be transparent for Galaxy users
- We don’t want to/cannot duplicate data

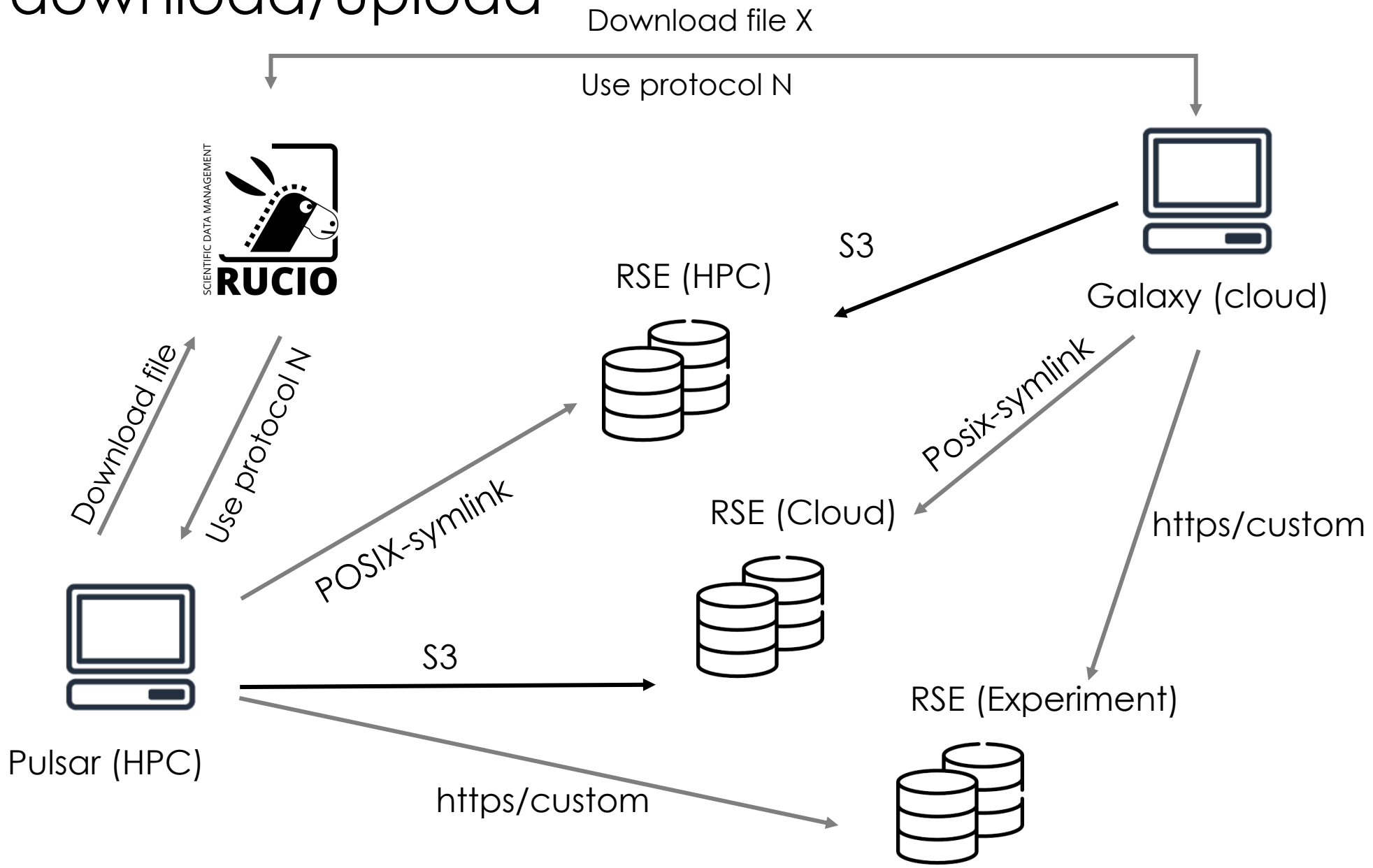
Galaxy Object Store



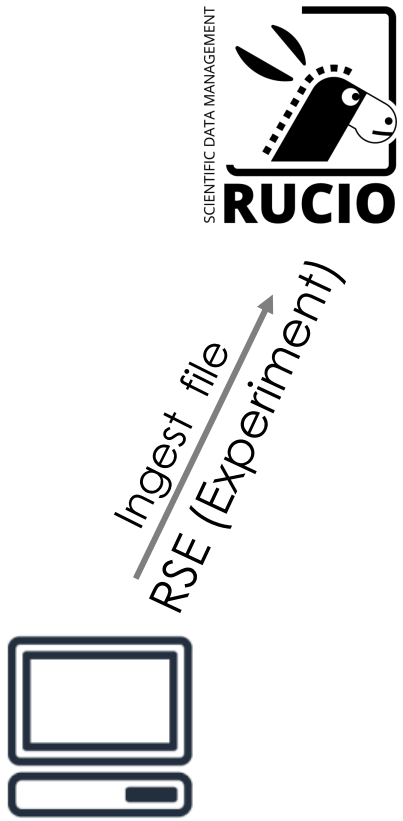
Galaxy Object Store – Rucio Plugin



Rucio – download/upload



Rucio – in place ingest



Pulsar (Cloud)