

How much does it cost?



DEPENDS. COMPUTE IS CHEAP

- small archives - benefits now
 - GEMINI cut cost by 2/3
(more was opaque to users)
- mid-size - benefits in data management
 - STScI doing a lot of work
- large - compute still cheap but storage currently still too \$\$\$ @ LSST scale expecting to become affordable in 5yrs
LSST DM can run on AWS/Google

Is our data safe?

(100 yr agreement)

How do we protect ourselves from future increase in price?

- want to still keep a copy of data on prem

Academic cloud?

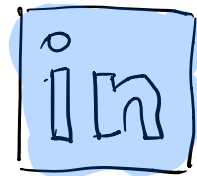
- no economies of scale
- no push for improved hardware & services
- European cloud is really just a network of existing university clouds that are being now connected

Hiring skilled staff?

- software developers are not looking for jobs on university websites.

Advertise

where industry does.



Hire software

engineers rather than techy postdocs.

- Science platforms?
- Who do we talk to @ AWS/Google?
- Lets make sure we are all

- putting data in the same place(s).
- Worth working with (both) major cloud providers rather than think of it as one-time choice.



- Canadians are "forced" to use Canadian government cloud

- If we all use open source technology then we can move back & forth b/w public & academic cloud
CERN does this - hybrid cloud
- SWIFT - have an excellent experience w/ academic cloud, where they have some local & some academic cloud infrastructure.
- Concerns about ethical issues with placing high value data on commercial cloud