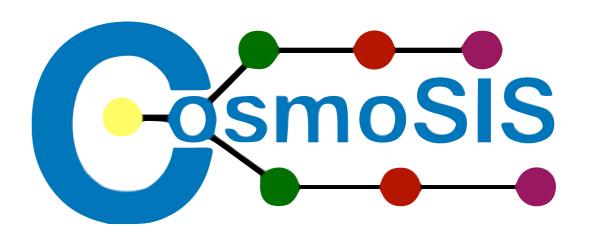# Science Use Cases

- Distributing complex programs & frameworks

    - e.g. large project analysis suites

- Versioning analysis pipelines

- Running Databases

- Continuous Integration

- Cloud computing?

Case Study: CosmoSIS

- CosmoSIS project - cosmological parameter estimation

- Many dependencies, multi-language architecture

  - GCC, GSL, CFITSIO, FFTW, Lapack, Git, Python 2.7, Numpy, Scipy, Nose, PyYaml, Matplotlib, Emcee

- Large majority of issues associated with installation

  - Consistency very hard to maintain for manual installs