iRODS 4.2 Progress

• Lots of commits
  ▪ 750 commits so far
  ▪ 107 enhancements, 63 still open
  ▪ 60 bugs, 40 still open

• Lots of coordination
  ▪ three major independent branches
  ▪ merging is complete
• Lots of testing
  • 12 OS and DB combinations
  • upgrades
  • topology
  • federation
  • plugins
Not Quite Done
iRODS 4.2 Major Features

- First Class API Plugins
  - dynamic PEPs for every operation

- Pluggable Rule Engine
  - full serialization into/out of rule languages

- Messaging Framework
  - audit plugin, emits AMQP
iRODS 4.2 Architectural Changes

- Clang and C++14 across all platforms
- CMake
- All control scripts in python
- Packages separated, cleaner dependencies
- Available via APT/YUM repositories
Engineering Preview Available Now

https://unstable.irods.org

Release expected Summer 2016