Flow of a dataset addition/installation using IRODS

Galaxy

WDK UI

IRODS Diag

iput dataset → acPostProcForPut PEP

Properly located & formatted tarball?

Create user workspace if not already present

Create dataset collection using tarball's data obj ID

Unpack tarball into new collection

Remove original tarball

extract data from unpacked dataset.json file ↔ parse json and return key/value pairs

create event file containing parsed content & action ↔ obtain mill sec timestamp

Use config file data to trigger Jenkins ↔ Format http call to Jenkins listener job

Jenkins Communication Config File

Listener job calls all handlers (one per supported project)

Handler job calls Java application

Compiles ALL events in events folder into list and passes them on for processing

Any event not yet handled iprocessed into database per its type info.

Dataset visible in WDK UI & available for use

Legend

- – – – Unimplemented
- —— Irods Microservices
- —— Irods Files
- —— Python
- —— Jenkins
- —— Java