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Problem Presented

- Cactus is used to
 - Database used to store information for each phase of experiment.
 - Transitioning away from Kyoto Tycoon, due to lack of maintenance and near impossible to compile with modern technology.

Issues

Lack of comments

Lack of Debugger support

Working through large codebase to better understand the overall dependencies.

- I have been working on integrating Redis as an optional database to use for each phase of the cactus experiment.
 - Refactor existing codebase to switch between Kyoto Tycoon and Redis seamlessly.
 - Gain an understanding of the legacy XML files used to configure each stage of the experiment.
 - This was a struggle
 - O Learned Toil and attempted to decipher code dependencies to implement Redis as a possible database without breaking anything.
 - Even bigger struggle
 - Learn existing tools to implement my code changes into existing codebase (pip install --upgrade .)
 - O Create alias' to help newcomers implement changes quicker.
 - Apply software engineering principles to existing code for future maintenance and changes.

- Currently, I have added functionality to accept the command line argument --Database Redis
 - O Upon command line argument Redis
 - configure necessary dependencies needed for each step of the cactus experiment.
 - O Refactored code to get and set which database is used.
 - Default Kyoto Tycoon
 - Created dictionary of cactus call parameters
 - Easier to read and maintain down the line
 - Merged Redis code into master code

Questions?