

QTIP Web Services

Qtip Web Services enables qtip to serve its benchmarking through a centrally allocated server. For using Qtip as a benchmarking, the user need not deploy qtip to their local machines to run benchmarks.

Qtip benchmarking service requires a workspace/project to work on. QTIP-web requires this project in the form of a git repo.

Phase 1 - basic running

Assumptions – Project/workspace is already available to user. The user will give the link of the github repo. If user do not have a project already he/she can fork it from sample workspace highlighted on the web app.

Run -----> Teardown

- QTIP benchmarking pipeline will run in one go.
- Use build-in inventory in from the repo
- Use build-in keypair in the server

DB Schema required

- Repository
- Task
 - Start time
 - End time
 - Log
 - repo

Phase 2 - inventory

Inventory automatic setup or manual management

qtip setup

After setup user can also choose to add manual inventory.

DB

- **inventory**

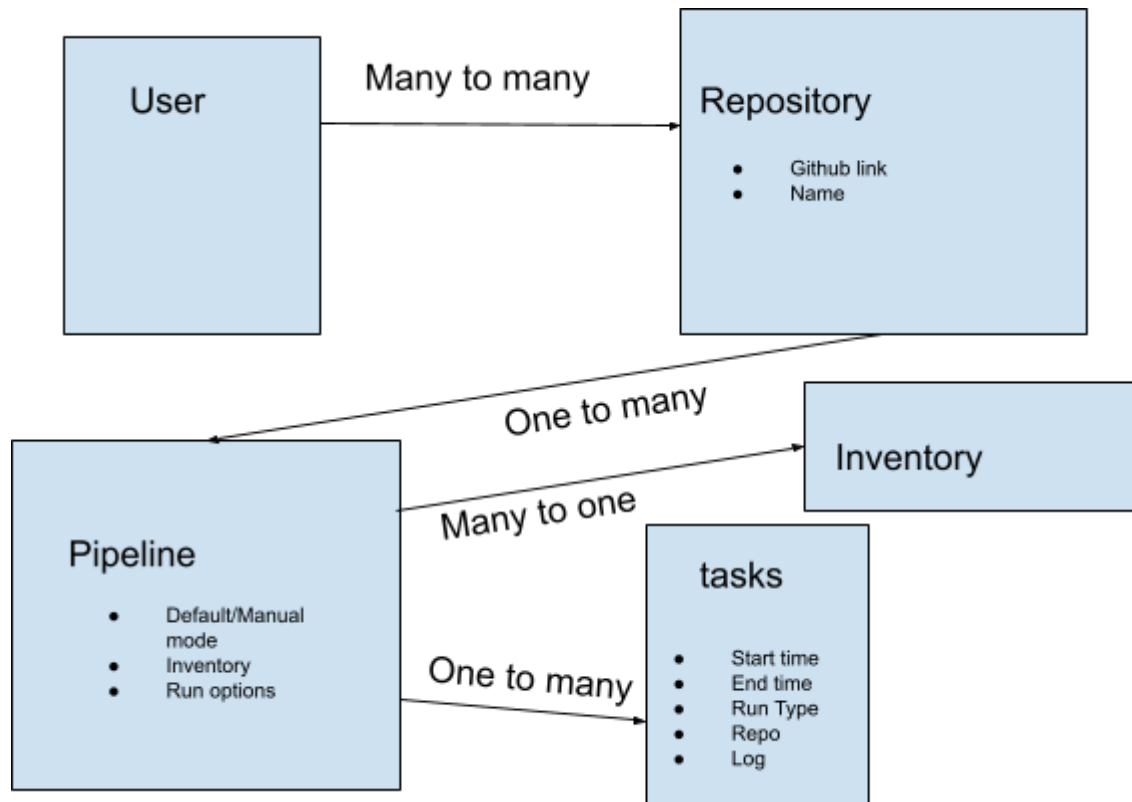
Phase 3 - selective running

- User can choose to selectively choose what inventory, metrics or stages to be run in the step “Run” of the pipeline.
- User will also be given an option to create a project using ‘qtip create’ and download it in form of a zip. He/she can then upload the project in a repo and start working on it by providing link to it.

Phase 4 - user and project management

****TBD****

Database Object mappings



- One to Many - Like in arrow 2, One project can have multiple pipelines.
- Many to Many - Like in arrow 1, one user can work on multiples project and many users can work on same project.