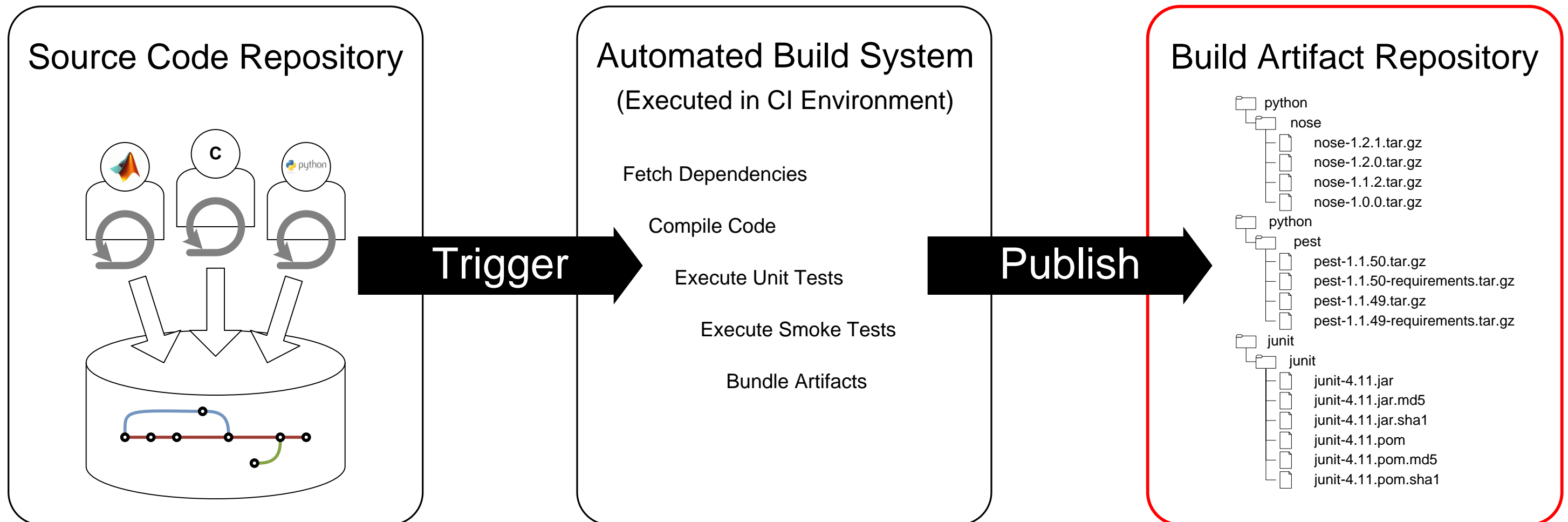# Vision Statement

Provide a solution to the challenges of maintaining a componentized polyglot code base which includes Python components. The solution architecture should support continuous deployment principles.

Source Code Repository

Automated Build System

(Executed in CI Environment)

Fetch Dependencies

Compile Code

Execute Unit Tests

Execute Smoke Tests

Bundle Artifacts

Trigger

Publish

Build Artifact Repository

📁 python
  📁 nose
    📄 nose-1.2.1.tar.gz
    📄 nose-1.2.0.tar.gz
    📄 nose-1.1.2.tar.gz
    📄 nose-1.0.0.tar.gz
📁 python
  📁 pest
    📄 pest-1.1.50.tar.gz
    📄 pest-1.1.50-requirements.tar.gz
    📄 pest-1.1.49.tar.gz
    📄 pest-1.1.49-requirements.tar.gz
📁 junit
  📁 junit
    📄 junit-4.11.jar
    📄 junit-4.11.jar.md5
    📄 junit-4.11.jar.sha1
    📄 junit-4.11.pom
    📄 junit-4.11.pom.md5
    📄 junit-4.11.pom.sha1

Desired Attributes:
* simplifies sharing of libraries
* maintains traceability
* good usability
* supported by tool-chain
* minimizes maintenance costs