**Practical 8: Continuous Integration**

Agile teams, because they are producing robust code each iteration, typically find that they are slowed down by the long diff-resolution and debugging sessions that often occur at the end of long integration cycles. The more programmers are sharing the code, the more problematic this is. For these reasons, agile teams often therefore choose to use Continuous Integration.

**Continuous Integration** (CI) involves producing a clean build of the system several times per day.**Agile** teams typically configure CI to include automated compilation, unit test execution, and source control **integration**.

**Integrate your CI server with Pivotal Tracker and CodeShip**

We use Pivotal Tracker and Basecamp to communicate the progress, Github for our code, Codeship for continuous integration and continuous deployment, HipChat for our internal communication, and finally CodeClimate to ensure our code quality.

**CodeShip**

Codeship is a hosted Continuous Delivery platform. It helps to release software quickly, automatically and multiple times a day. It shortens the development cycles thus reducing the risk of bugs and increasing innovation. It helps software companies to develop a better product faster by taking care of the testing and release process. Managing your own continuous deployment system takes time, specialized knowledge, custom solutions and dedicated, on-premise infrastructure. Codeship automates software deployment and all the necessary tasks involved with it.

**Resource**

https://code.tutsplus.com/tutorials/codeship-continuous-integration-and-delivery-made-simple--cms-23517