

## CI / CD EXERCISES

### VIRTUALBOX / VAGRANT

- Use image locally for test server
- Examine Files: Vagrantfile / install.sh Folder: Tomcat9Files
- vagrant up
- vagrant ssh

### MAVEN

- Use maven plugins, goals, profiles and properties for tests and test suites
- Try different naming conventions
- TestClasses / TestSuites
- mvn test
- mvn verify
- mvn verify -P verifyLocal
- mvn test -D test=tests.unit.UT\_Basic
- mvn test -D test=tests.suites.Suite\_UT
- Add and run Maven goals in Netbeans
- Use Tomcat7 plugin
- Use bash script to deploy to virtual machine image

### DEPLOYMENT / DIGITAL OCEAN

- Use image remotely for test and deployment server
- Add SSH public key
- Create custom image
- Create droplets from custom image

### TRAVIS / TRAVIS CLI / RUBY

- Sign up on <https://travis-ci.com/>
- Install Ruby
- Install Travis CLI
- Add repository to Travis
- Examine File: .travis.yml
- Create .travis.yml file in repository
- Encrypt data
- Encrypt private key
- Deploy from Travis to Digital Ocean