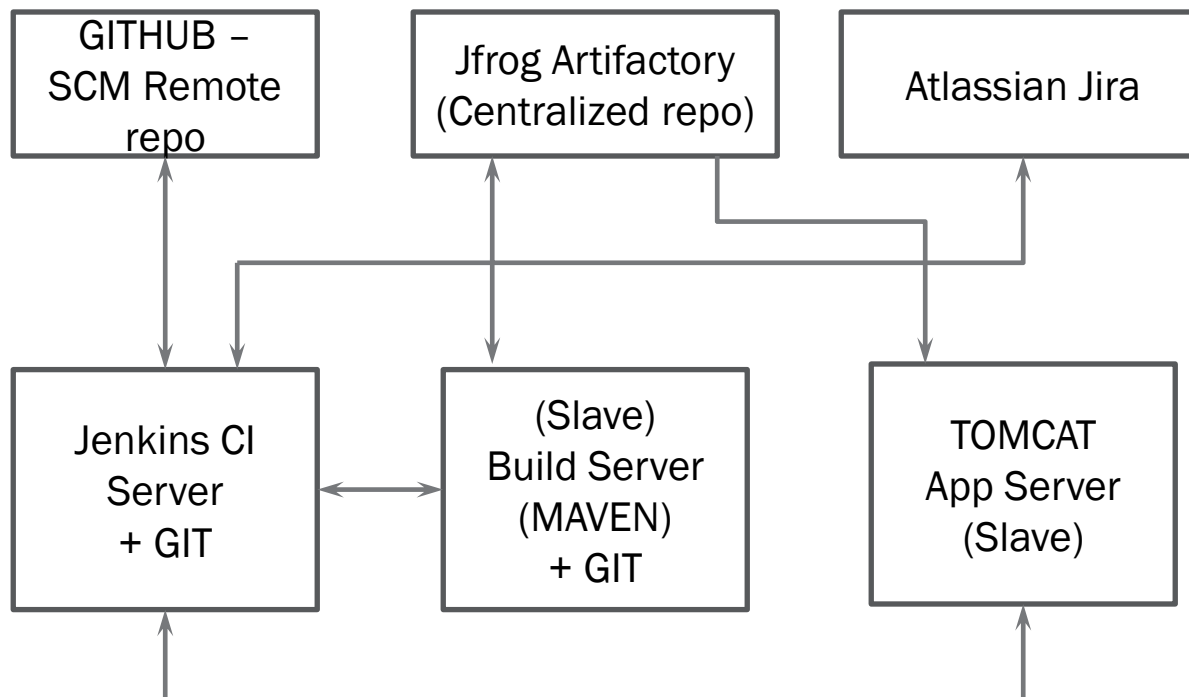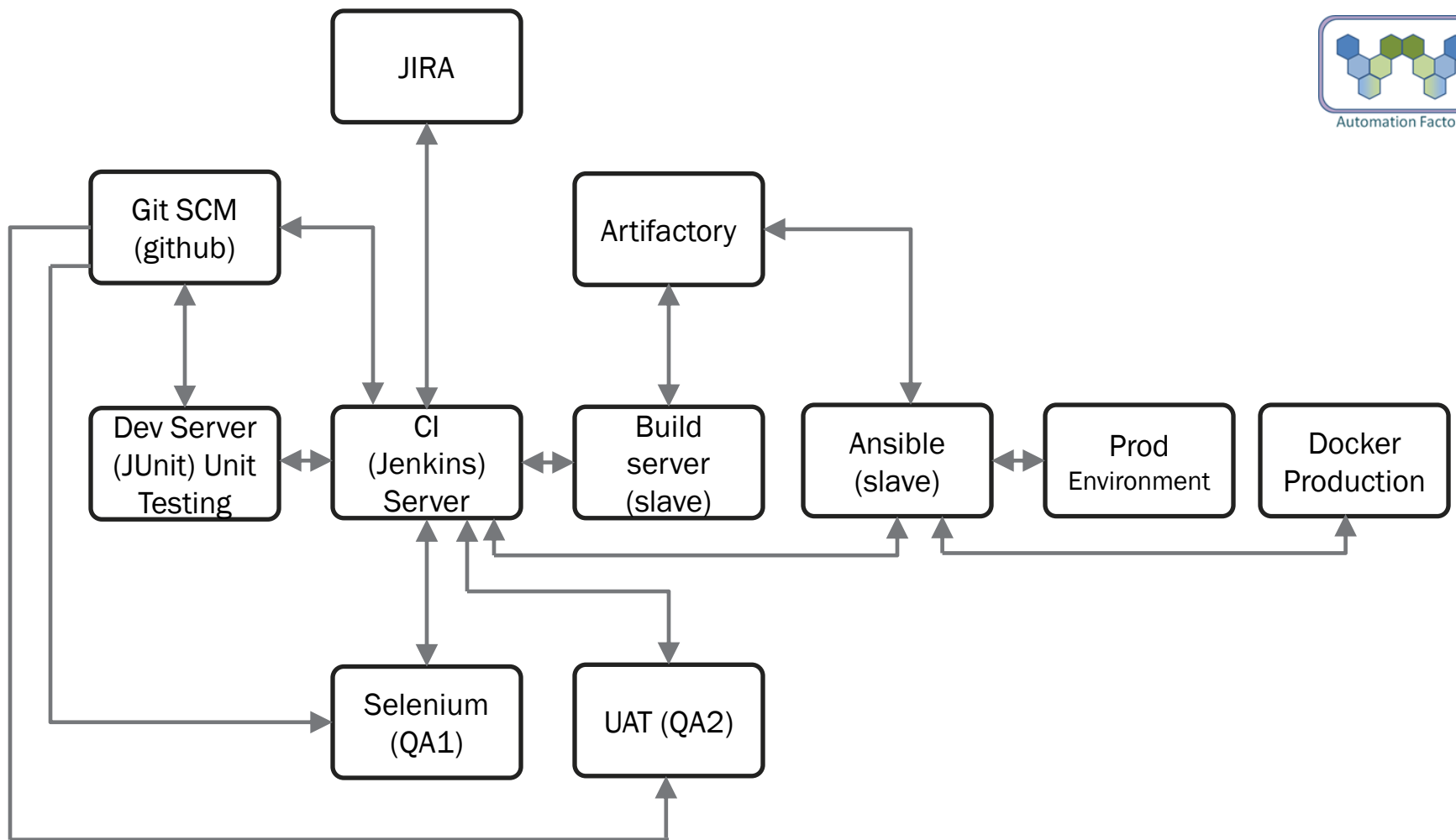# DEPLOYMENT SCENARIOS

Build Scenario -1

- Prerequisites:
  - Artifactory server configured as a Generic repository
  - Jira Software Project tracking server
  - Tomcat Server
  - Jenkins server
  - Build server (Maven)
  - Access to GitHub
  - Integrate Jira with Jenkins
  - Integrate Artifactory with Jenkins
  - Integrate GIT and Maven with Jenkins
  - Add Build Server(Maven) as a slave in Jenkins
  - Add App Server (Tomcat) as a slave in Jenkins
- Job1: Tasks:
  - Pull source code from GIT
  - Compile the code, create package.
  - Run unit test
  - Push package to Artifactory
- Job2: Tasks
  - Pull package from Artifactory
  - Deploy package to Tomcat server
  - Restart Tomcat Server

Build Scenario -1

Automation Factory

Build Scenario -2

Prerequisites:

- Artifactory server configured as a Generic repository
- Jira Software Project tracking server
- Tomcat App Server as Production environment
- Jenkins server
- Build server (Maven)
- Selenium Server (QA1)
- UAT test environment (QA2)
- Ansible server (Deployment server)
- Docker Production environment Server
- Access to GitHub
- Integrate Jira with Jenkins
- Integrate Artifactory with Jenkins
- Integrate GIT and Maven with Jenkins
- Ansible server
- Docker Host
- Add Build Server(Maven) as a slave in Jenkins
- Add App Server (Tomcat) as a slave in Jenkins
- Add Ansible Server as Slave

Job1: Tasks:

- Pull source code from GIT
- Compile the code, create package.
- Run unit test
- Check the results
- On successful completion, run downstream job

Job2: Tasks:

- send notification abt job start
- Pull source code from GIT
- Compile the code, create package.
- Deploy package
- Run Selenium functional test
- on failure create a JIRA ticket
- On succefull completion run downstream job

Job3: Tasks:

- Pull source code from GIT
- Compile the code, create package.
- Run test in QA2 environment for UAT
- On succefull completion push package to Artifactory server

Build Scenario -2

Job4: Tasks:
Pull package from Artifactory server
run Ansible playbook to deploy package onto production serve
Run nagios check to test production URL retunrs success
Job5: Tasks:
Pull package from Artifactory server
Run Ansible playbook to deploy package to Production Docker
RUN nagios check to test production URL retunrs success