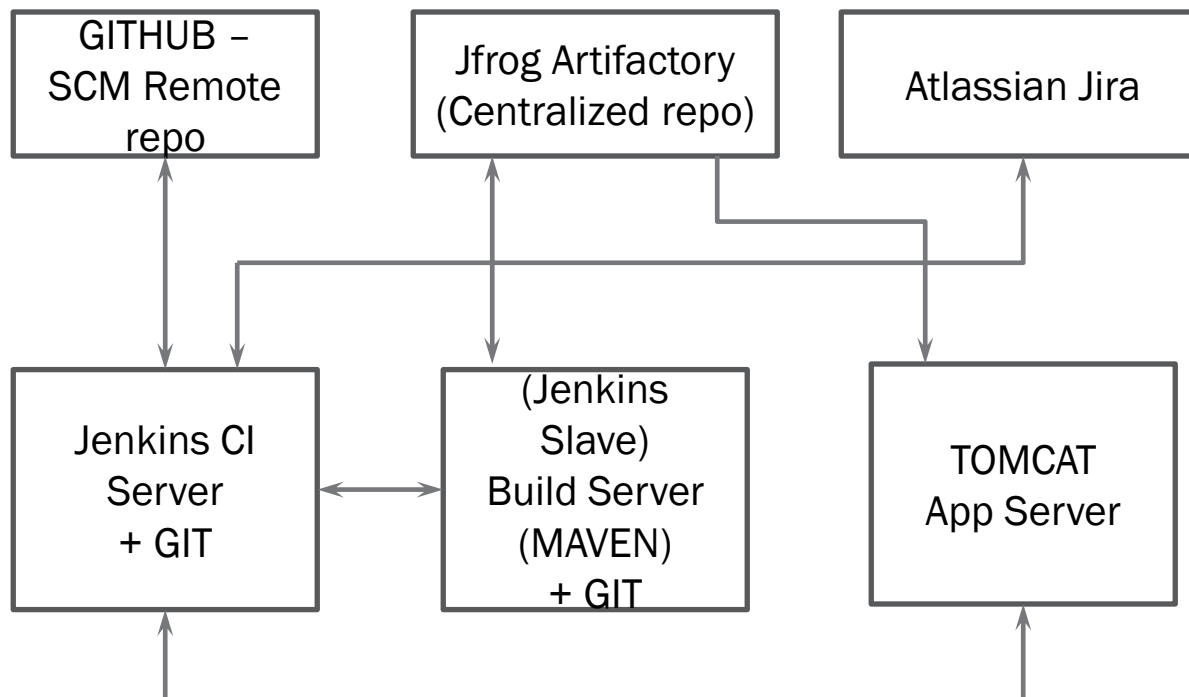


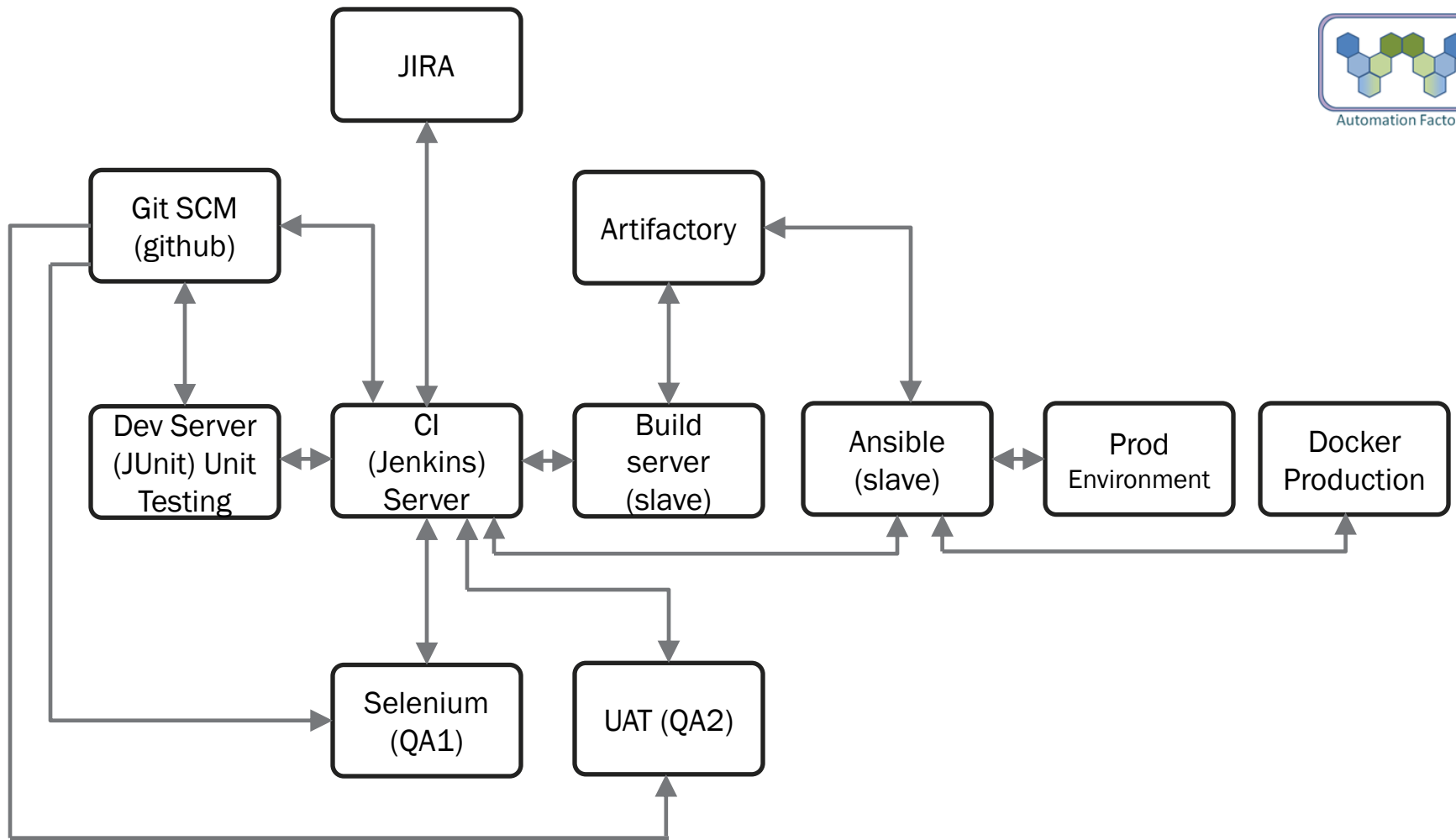
DevOps Business Scenarios



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



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:

Pull source code from GIT
Compile the code, create package.
Deploy package
Run Selenium functional test
On successful completion run downstream job

Job3: Tasks:

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

Job4: Tasks:

Pull package from Artifactory server
run Ansible playbook to deploy package onto production server
Run nagios check to test production URL returns success

Job5: Tasks:

Pull package from Artifactory server
Run Ansible playbook to deploy package to Production Docker
RUN nagios check to test production URL returns success

Build Scenario -2