Getting Started

Services	Jenkinsfile based build
	Nexus OSS Repository for npm, maven and docker repositories
	Shared Library DSL for mvn, nexus and docker
URLs	https://cloudci.fadv.com/jenkins/
	https://cloudci.fadv.com/nexus/
	https://cloudci.fadv.com/jenkins/-view/PA/
Agents	**any**
	Use **any** by default. Other modes to be available soon.
	E.g. pipeline { agent any ... }

Sample 1 - Maven Library Project

```
pipeline {
        agent any
        stages {
                sta ge( 'Bu -
ild') {
                        agent {
                                -
docker {
                                        -
image mvn.jdk8()
                                        a
rgs mvn.OPTS()
                                        -
reu seNode true
                                }
                        }
                        steps {
                                m
vn 'clean install'
                        }
                }
                sta ge( 'Pu -
blish') {
                        steps {
                                -
publish 'maven'
                        }
                }
        }
}
```

Builds a Java 8 Project and Publishes the

Sample 2 - Maven Service Project

```
pipeline {
        agent any
        stages {
                sta ge( 'Bu -
ild') {
                        agent {
                                -
docker {
                                        -
image mvn.jdk8()
                                        a
rgs mvn.OPTS()
                                        -
reu seNode true
                                }
                        }
                        steps {
                                m
vn 'clean install'
                        }
                }
                sta ge( 'Pu -
blish') {
                        steps {
                                -
publish 'maven'
                        }
                }
        }
}
```

Builds a **Maven Java 8** Project and Publishes the artifact to **Nexus** and Generates a **docker** image and pushes it to FADV Image Repository.

Maven DSL

Maven DSL (cont)

.OPTS()	Returns docker options to mount standard m2 repository and other defaults. Use this to significantly improve your build performance. But you can skip it to get "clean" builds.

Examples

```
docker {
  image mvn.jdk8()
  args mvn.OPTS()
  reuseNode true
}
```

```
steps {
  mvn 'package -Pdocker'
}
```

```
steps {
  mvn 'clean install -DskipTests'
}
```

Publish Artifacts

Publishing is supported for the following image formats

	Maven or **Jar**
	NPM components
	docker containers
URL	https://cloudci.fadv.com/nexus

Roles

Reader	**fadvrepouser**. The default readonly user for your application development. Provides read of all artifacts.
Write	**fadvciuser**. The Nexus user with write permissions, mainly to be used by the CI system.

Publishing Maven Artifacts

artifact to Nexus.

mvn	*goals*	The default DSL for maven args and sub commands. E.g., **mvn 'clean install'**
	.jdk8()	Returns the JDK8 Maven Docker image to use.
		maven:3.6.0-jdk-8-alpine
		To be used whenever you need the recommended JDK 8 maven container. Mostly in agent docker sections.
	.jdk11()	Returns the JDK 11 Maven Docker image to use.
		maven:3.6.0-jdk-11

Sample **settings.xml** entry
<server>
  <id>fadv-m2</id>
  <username>fadvrepouser</username>
  <password> ~~contact admin~~ </password>
</server>
Sample **pom.xml** entry
<repositories>
  <repository>
   <id>fadv-m2</id>
   <url>https://cloudci.fadv.com/nexus/repository/fadv-m2/</url>
  </repository>
</repositories>

Publishing NPM Artifacts

TBD

Publishing Docker Artifacts

TBD

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