**Document for Jenkins Pipeline and Nexus Repo**

**PLUGINS:**

* Ant Plugin
* Blue Ocean
* Build Timeout
* Build Timestamp Plugin
* Command Agent Launcher Plugin
* Dark Theme
* Email Extension Plugin
* Git Parameter Plug-In
* GitLab Plugin
* Version1.8.1
* Gradle Plugin Version2.12
* JavaMail API Version1.6.2-10
* Kubernetes Version4233.vb\_67a\_0e11a\_039
* LDAP Plugin Version725.v3cb\_b\_711b\_1a\_ef
* Matrix Authorization Strategy Plugin Version3.2.2
* Maven Integration plugin Version3.23
* NodeJS Plugin Version1.6.1
* Oracle Java SE Development Kit Installer Plugin Version73.vddf737284550
* PAM Authentication Version1.10
* Pipeline Version596.v8c21c963d92d
* Pipeline Graph View Plugin Version287.v3ef017b\_780d5
* Pipeline Maven Integration Version1396.veb\_f07b\_2fc1d8
* Pipeline NPM Integration Plugin Version204.v4dc4c2202625
* Pipeline: Deprecated Groovy Libraries Version612.v55f2f80781ef
* Pipeline: GitHub Groovy Libraries Version61.v629f2cc41d83
* Pipeline: Stage View Plugin Version2.34
* Publish Over SSH Version1.25
* Role-based Authorization Strategy Version727.vd344b\_eec783d
* SonarQube Scanner for Jenkins Version2.17.2
* SSH Build Agents Version2.948.vb\_8050d697fec
* SSH Pipeline Steps Version2.0.68.va\_d21a\_12a\_6476
* Timestamper Version1.27
* Warnings Plugin Version11.3.0
* Workspace Cleanup Plugin Version0.46

**Tools:**

* Maven Configuration
* Pipeline Maven Configuration
* #JDK installations
* Git installations
* Maven installations
* NodeJS installations

**Credentials:**

* GitLab API token
* emigrate-sonar-qube-token
* config (Kubernetes config file)
* GitLab API token
* siddharth.ingle/\*\*\*\*\*\*

**PIPELINE CONFIGS (For services and EMigrate-UI Pipelines)**

1. Discard old builds
2. GitLab Connection

This project is parameterized

Name: SERVICE\_NAME

Choices: AdministrationService

Name: ENVIRONMENT

Choices: dev-k8-poc

DEV

UAT

PROD

1. Name: Agent

Choices: node-1

node-2

1. Pipeline
2. Script Path

Note: create seperat pipeline for each service.

**Steps to download dependencies from Nexus repo in Maven build (instead of going to internet)**

1. create a proxy repository on Nexus i.e. maven-proxy-repo (select maven2 proxy)

2. Create settings.xml file on node1 or node2 as per your requirement at /root/.m2/ location. And paste following contents in it

<settings xmlns="http://maven.apache.org/SETTINGS/1.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.org/xsd/settings-1.0.0.xsd">

<pluginGroups></pluginGroups>

<proxies></proxies>

<servers>

<server>

<id>maven-proxy-repo</id>

<username>admin</username>

<password>changeme</password>

</server>

</servers>

<mirrors>

<mirror>

<id>nexus</id>

<mirrorOf>\*</mirrorOf>

<url>https://nexuspoc.mea-emigrate.com/repository/maven-proxy-repo/</url>

</mirror>

</mirrors>

<profiles>

<profile>

<id>nexus</id>

<repositories>

<repository>

<id>central</id>

<url>https://nexuspoc.mea-emigrate.com/repository/maven-proxy-repo/</url>

<releases>

<enabled>true</enabled>

</releases>

<snapshots>

<enabled>true</enabled>

</snapshots>

</repository>

</repositories>

</profile>

</profiles>

<activeProfiles>

<activeProfile>nexus</activeProfile>

</activeProfiles>

</settings>

3. In job/pipeline configs make below changes

sh "mvn -f WorkflowService/pom.xml clean install -DskipTests"

4. Instead of keeping th file on the node if you want to pull it from the gitlab repo it is also possible. create a repo on gitlab let's say Maven and create settings.xml file there and make below changes in the pipeline configs

sh "mvn -s Maven/settings.xml -f WorkflowService/pom.xml clean install -U -DskipTests"

**Steps to download dependencies from Nexus repo for npm build (instead of going to internet)**

1. Create a proxy repository on Nexus i.e. emigrate-npm-proxy-repo (select npm proxy)

2. Create .npmrc file at location /workspace/jenkins/workspace/NEXUS-EMIGRATE-UI-TEST having below contents

registry=https://nexuspoc.mea-emigrate.com/repository/emigrate-npm-proxy-repo/

\_auth=YWRtaW46Y2hhbmdlbWU=

email=admin@example.com

always-auth=true

strict-ssl=false

NOTE: auth token will vary depending upon username and password.

NEXUS CONFIGS:

**Proprietary repositories:**

Docker-private

Emigrate-docker-hosted-repo

Nuget-hosted

**Cleanup ploicies:**

Blob\_cleanup

Docker-image-cleanup-policy

**Roles**

Nx-admin

Nx-anonymous

**Realms:**

Local authentication realm

Docker bearer token realm

Npm bearer token realm