**Analysis**

**Current process:**

In the current process, as a part of build and deployment, we login to app-dev-04 using the UNIX credentials and login as dev\_build1 user.

In the below mentioned path, MistWebApp\_Dev.sh script is present which takes care of both build and deployment of MISTWebApp application

**Path:** /home/dev\_build1/buildScripts/WEBAPPS

Build and Deployment

Manually invoke the script

Login to App-dev-04

**Current Build Process for MISTWebApp:**

MDLParser\_Checkout and ANT Build

Setting JAVA\_HOME and ANT\_HOME

MISTWebApp And/Or MISTFTCS Service Checkout

EnterpriseOauthResource ANT build

EnterpriseOauthClient ANT build

Copy env property files to FTCS Application source code

MISTWebApp And/Or MISTFTSC Service ANT build

MIST accesses ServerProps.jar which is created during FTCS build

Create WSSOServerProps.jar and paste it in Shared Library

Deployment

**Proposed CI-CD for MISTWebApp Approach:**

Auto Triggered when developer commit new changes

Auto Trigger when developer commits new code

**Continuous Integration (CI)**

AAuto-triggered when developer commit new changes

**Continuous Integration (CI)**

AAuto-triggered when developer commits changes

**Properties pipeline**

**Continuous Deployment (CD)**

**Future Scope:**

1. Make MIST build independent of FTCS build.(separate environment)
2. Deploy Maven based application into Tanzu(TAS).

**Proposed CI-CD For MISTWebApp Approach-2:**

Remotely connect to App-dev-4 and run the build script

**MIST Independent Build initial Analysis :**

1. Properties files of MIST are copied to FTCS source code during MIST build
2. MIST accesses ServerProps.jar which is created during FTCS build
3. MIST creates WSSOServerProps.jar and places it under folder which is created and deleted by FTCS build

**MIST Independent Build Estimation :**  60-70 hours

<https://gide-tfs.web.boeing.com/tfs/IT/BTE%20IT/_build?definitionId=7218>

<https://gide-tfs.web.boeing.com/tfs/IT/BTE%20IT/_releaseProgress?_a=release-pipeline-progress&releaseId=2622>