You will create one project in .net core

You will upload this project on GitHub.

You will create one project on Jenkins

You will set the GitHub Url

<https://github.com/salman1256/welcomerepo.git>

Then you will write the build steps

cd $WORKSPACE

dotnet build

dotnet run

*Jenkinsfile (Declarative Pipeline)*

pipeline {

agent any

options {

skipStagesAfterUnstable()

}

stages {

stage('Build') {

steps {

echo 'Building'

}

}

stage('Test') {

steps {

echo 'Testing'

}

}

stage('Deploy') {

steps {

echo 'Deploying'

}

}

}

}

pipeline {

agent any

stages {

stage('Checkout') {

steps {

// Checkout source code from Git

checkout scm

}

}

stage('Build and Publish') {

steps {

// Build and publish the ASP.NET MVC application

script {

bat 'dotnet restore'

bat 'dotnet build --configuration Release'

bat 'dotnet publish --configuration Release --output bin/publish'

}

}

}

stage('Deploy to IIS') {

steps {

// Deploy to local IIS server

script {

bat 'xcopy bin\\publish\\\* C:\\inetpub\\wwwroot\\YourApp /s /y'

}

}

}

}

}

**pipeline {**

**agent any**

**environment {**

**ASPNETCORE\_ENVIRONMENT = 'Production'**

**DOTNET\_CLI\_TELEMETRY\_OPTOUT = '1'**

**}**

**stages {**

**stage('Checkout') {**

**steps {**

**// Checkout source code from Git**

**checkout scm**

**}**

**}**

**stage('Build and Publish') {**

**steps {**

**// Build and publish the ASP.NET Core application**

**script {**

**sh 'dotnet restore'**

**sh 'dotnet build --configuration Release'**

**sh 'dotnet publish --configuration Release --output bin/publish'**

**}**

**}**

**}**

**stage('Deploy to Azure Web App') {**

**steps {**

**// Deploy to Azure Web App using Azure App Service Deploy plugin**

**script {**

**azureWebAppPublish appName: 'YourAzureWebAppName',**

**resourceGroup: 'YourResourceGroup',**

**filePath: 'bin/publish',**

**publishType: 'filePath',**

**targetDirectory: '/site/wwwroot'**

**}**

**}**

**}**

**}**

**}**