**Setting Up Jenkins Pipeline to Deploy Docker Swarm.**

Source Code

<!DOCTYPE html>

<html>

<head>

<title>Provisioning Test Page</title>

<link href="https://fonts.googleapis.com/css?family=Slabo+27px" rel="stylesheet">

<style type="text/css">

body {

text-align:center;

font-family: 'Slabo 27px', serif;

height:100vh;

}

.vertical-center {

position:relative;

top:50%;

transform: translateY(-50%);

}

img {

width:100px;

}

</style>

</head>

<body>

<div class="vertical-center">

<h1>Fibonacci Generator</h1>

<p>The number at position <%= index %> is <%= value %></p>

<imgsrc="https://cdn.worldvectorlogo.com/logos/docker.svg" />

</div>

</body>

</html>

HACKABLE:

<!DOCTYPE html>

<html>

<head>

<title>Provisioning Test Page</title>

<link href="https://fonts.googleapis.com/css?family=Slabo+27px" rel="stylesheet">

<style type="text/css">

body {

text-align:center;

font-family: 'Slabo 27px', serif;

height:100vh;

}

.vertical-center {

position:relative;

top:50%;

transform: translateY(-50%);

}

img {

width:100px;

}

#command {

width:50%;

display: inline-block;

}

#stdout {

width:50%;

display: inline-block;

}

</style>

</head>

<body>

<div class="vertical-center">

<imgsrc="/images/logo.png" />

<h1>Hackable: Code Injection</h1>

<p>The following command was run on the server!</p>

<code id="command">

<%= command %>

</code>

<p>This was the result</p>

<code id="stdout">

<%= stdout %>

</code>

</div>

</body>

</html>

POSTS:

<!DOCTYPE html>

<html>

<head>

<title>Provisioning Test Page</title>

<link href="https://fonts.googleapis.com/css?family=Slabo+27px" rel="stylesheet">

<style type="text/css">

body {

font-family: 'Slabo 27px', serif;

height:100vh;

}

img {

width:100px;

}

.blog {

padding:50px;

}

.post {

padding:20px;

}

</style>

</head>

<body>

<div class="blog">

<imgsrc="https://cdn.worldvectorlogo.com/logos/docker.svg" />

<h1>Recent Posts</h1>

<hr/>

<% posts.forEach(function(post){ %>

<div class="post">

<h3><%= post.title %></h3>

<p><%= post.body %></p>

</div>

<% }) %>

</div>

</body>

</html>

JENKINSFILES:

pipeline {

environment {

registry = "naistangz/docker\_automation"

registryCredential = "dockerhub"

dockerImage = ''

PATH = "$PATH:/usr/local/bin"

}

agent {

'docker'}

stages {

stage('Cloning our Git') {

steps {

git 'https://github.com/naistangz/Docker\_Jenkins\_Pipeline.git'

}

}

stage('Building Docker Image') {

steps {

script {

dockerImage = docker.build registry + ":$BUILD\_NUMBER"

}

}

}

stage('Deploying Docker Image to Dockerhub') {

steps {

script {

docker.withRegistry('', registryCredential) {

dockerImage.push()

}

}

}

}

stage('Cleaning Up') {

steps{

sh "docker rmi $registry:$BUILD\_NUMBER"

}

}

}

}