

Lab Exercise 20

Creating a Pipeline Script

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Batch 2 DevOps

Objective: To create a pipeline script for automating build processes in Jenkins

Tools required: Jenkins

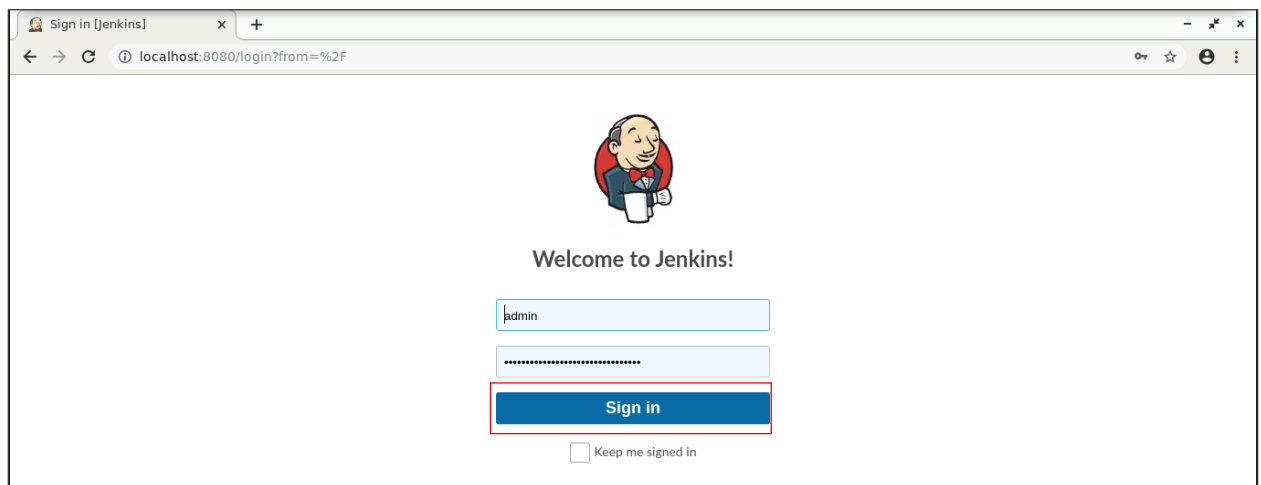
Prerequisites: None

Steps to be followed:

1. Log in to the Jenkins CI tool and create a pipeline script

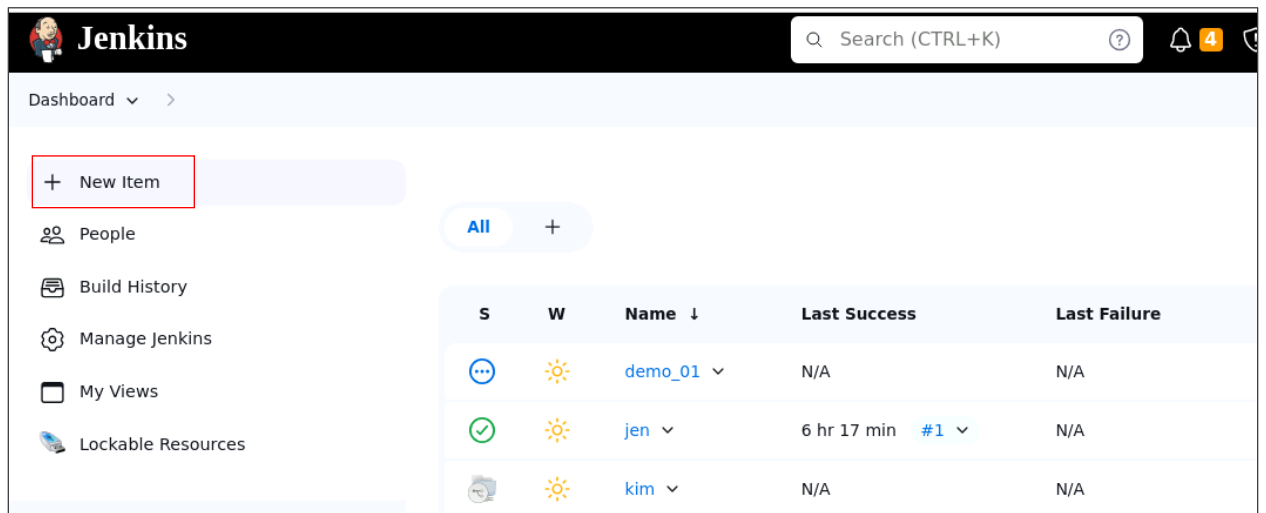
Step 1: Log in to the Jenkins CI tool and create a pipeline script

- 1.1 Open the browser, go to the Jenkins **Dashboard** by typing **localhost:8080** in your browser, provide the credentials, and click the **Sign in** button

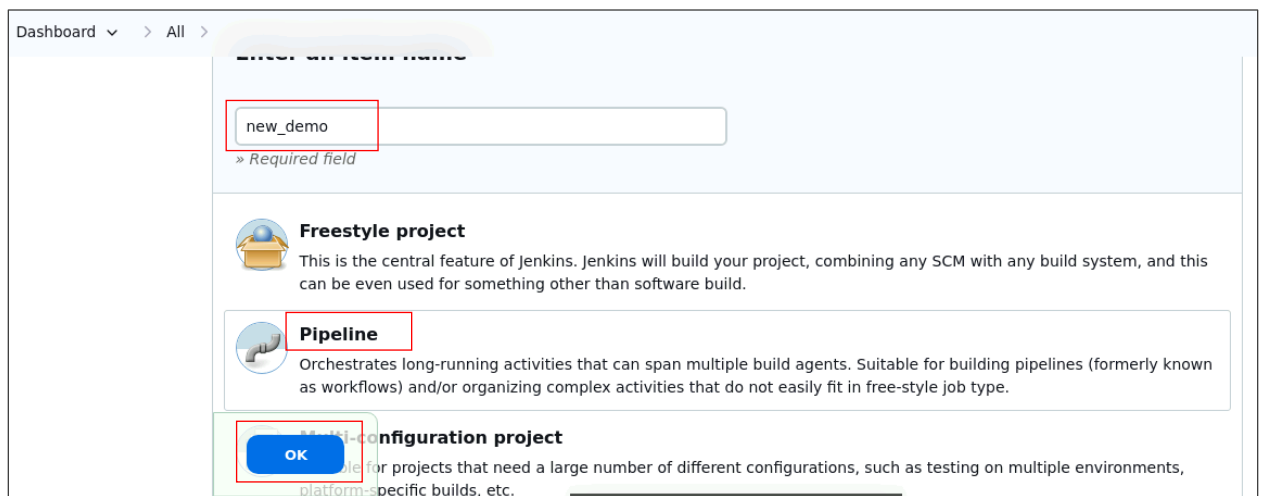


Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.

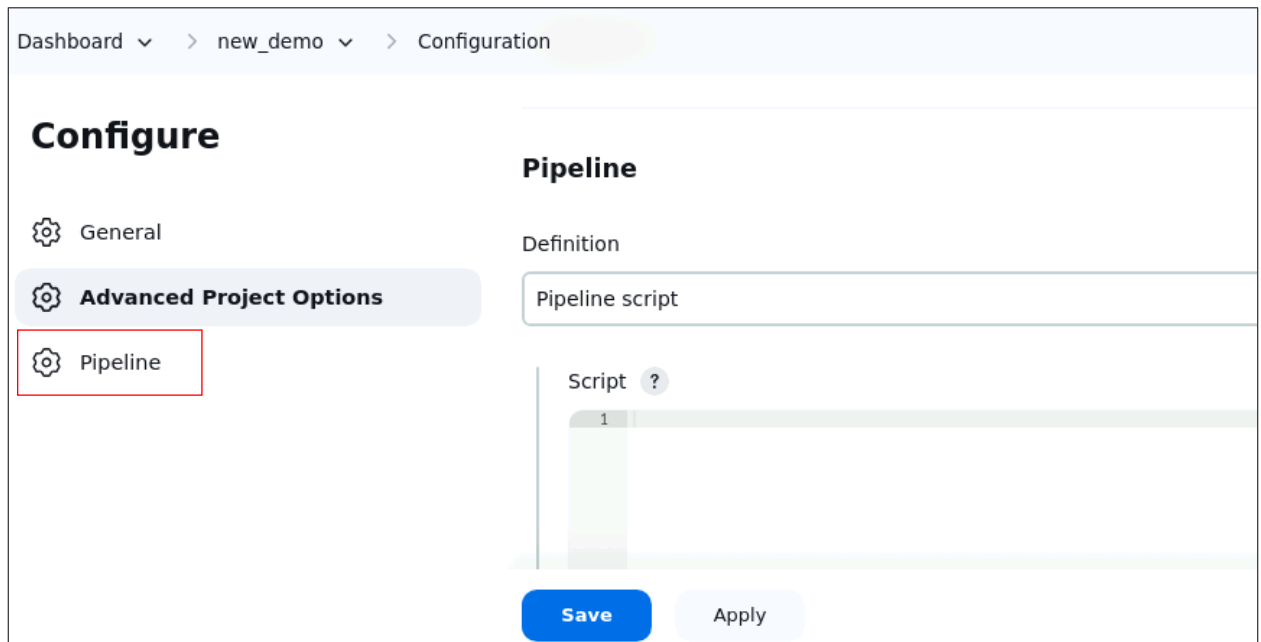
1.2 Click on the **New Item** option as shown in the screenshot below:



1.3 Enter a desired name for the project, select **Pipeline**, and then click on **OK** as shown in the screenshot below:

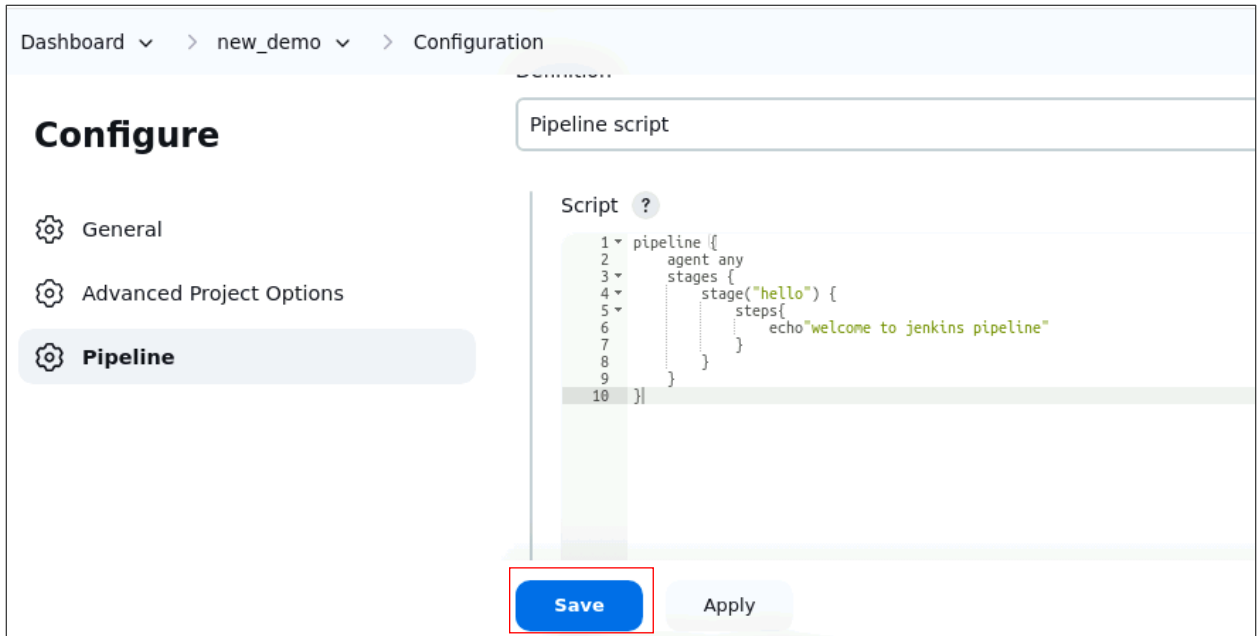


1.4 Click on **Pipeline** as shown in the screenshot below:

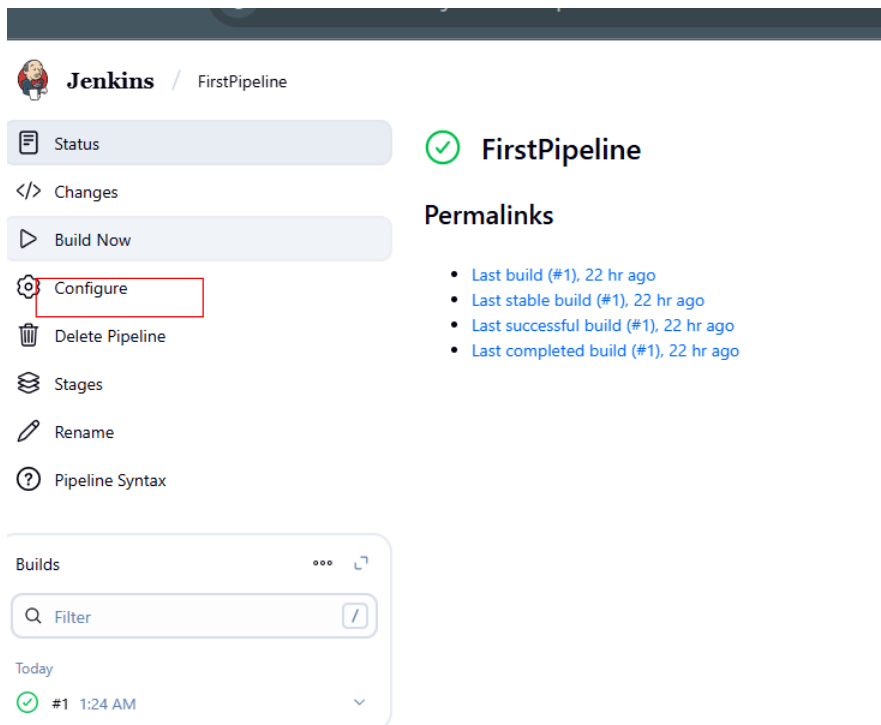


1.5 Enter the following pipeline script in the script editor and click on **Save** as shown in the screenshot below:

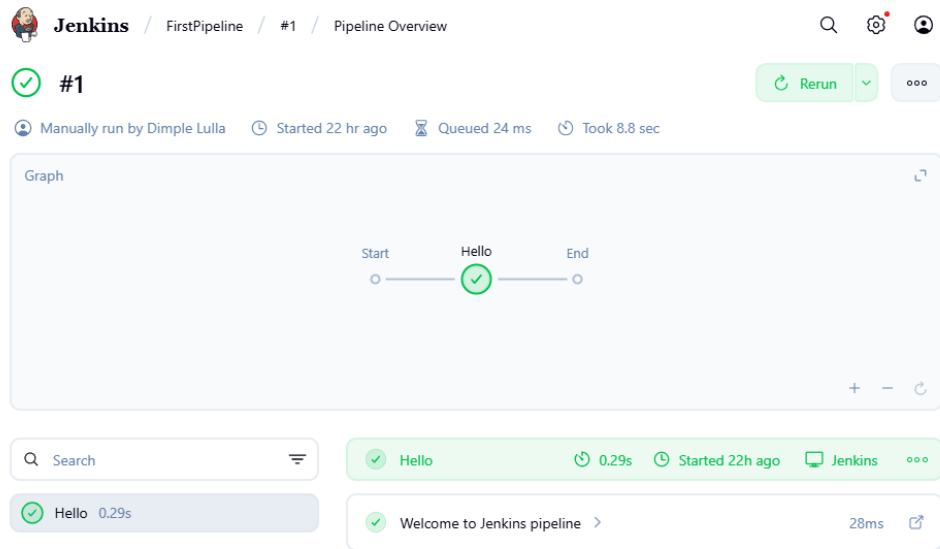
```
pipeline {  
  agent any  
  stages {  
    stage("hello") {  
      steps{  
        echo"welcome to Jenkins pipeline"  
      }  
    }  
  }  
}
```



1.6 Click on **Build Now** to run the pipeline script as shown in the screenshot below:



1.7 Hover over the milliseconds number next to the build stage name as shown in the screenshot below:

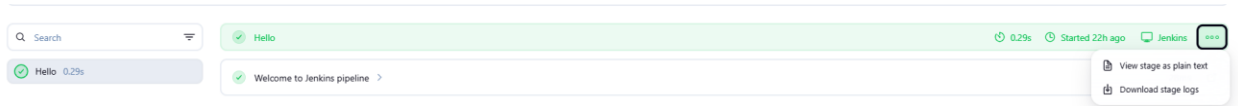


localhost:8080

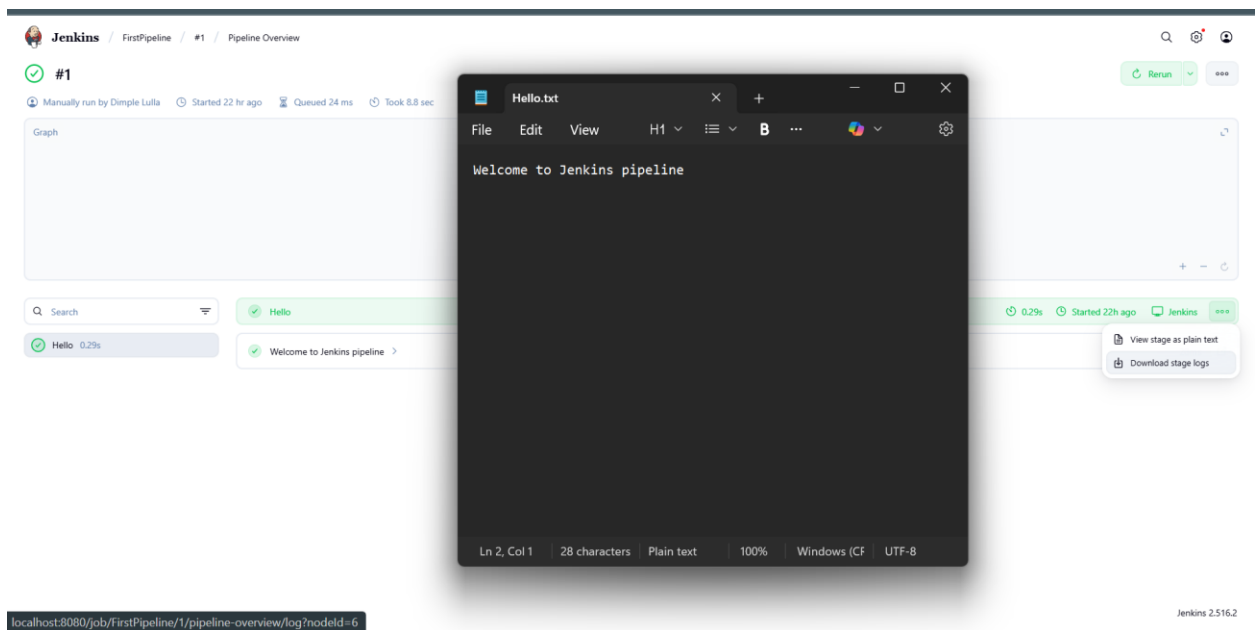
Jenkins 2.516.2

Note: Ensure that you hover the cursor over the milliseconds number without clicking on it

1.8 Click on **Logs** as shown in the screenshot below:



1.9 Check for the message in the top-left corner to confirm the successful execution of the pipeline stage as shown in the screenshot below:



By following these steps, you have successfully created a pipeline script for automating build processes in Jenkins.