

## LAB EXERCISE 6.2

### CREATING A NEW JENKINS JOB TO CHECKOUT SOURCE CODE

**OBJECTIVE:** TO SET UP A JENKINS JOB TO MANAGE SOURCE CODE, SPECIFICALLY BY CONFIGURING THE SOURCE CODE MANAGEMENT SECTION TO CHECK OUT CODE FROM A GIT REPOSITORY

**TOOLS REQUIRED:** JENKINS

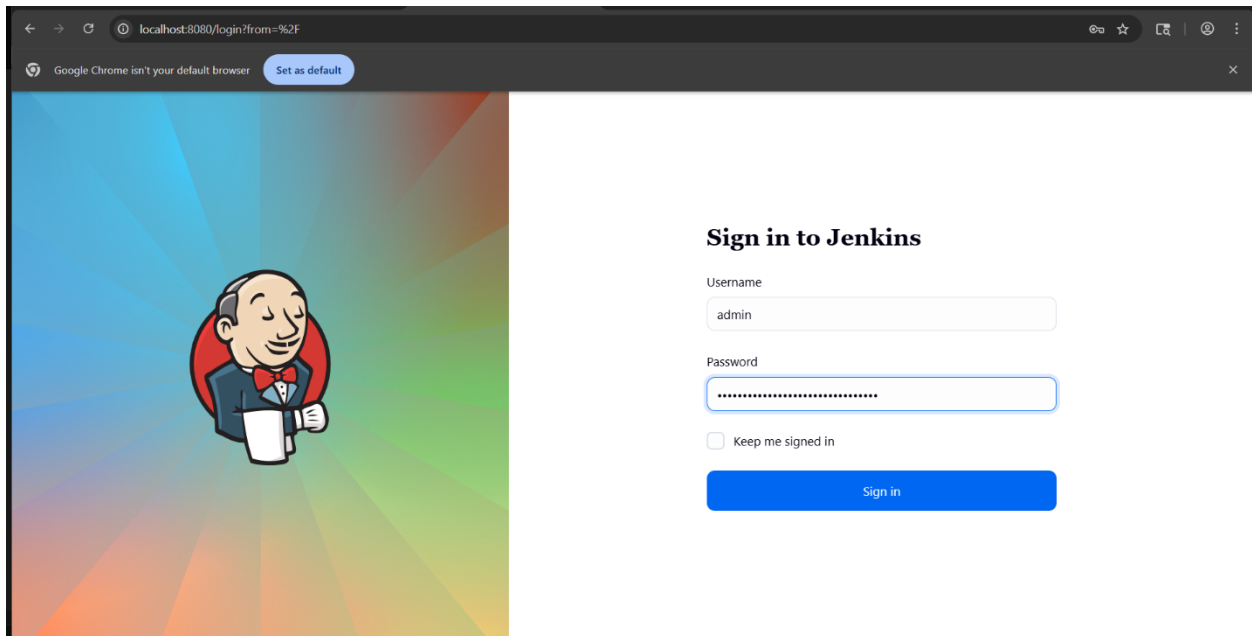
**PREREQUISITES:** JENKINS MUST BE OPERATIONAL.

**STEPS TO BE FOLLOWED:**

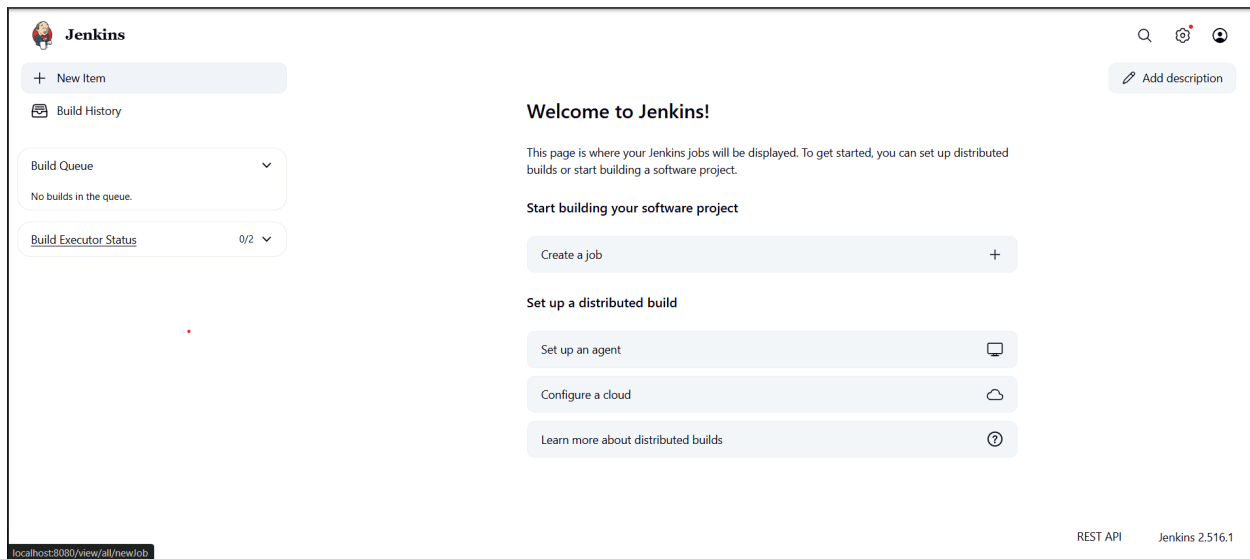
1. LOG IN AND CREATE A JENKINS JOB
2. CONFIGURE SOURCE CODE MANAGEMENT

#### STEP 1: LOG IN AND CREATE A JENKINS JOB

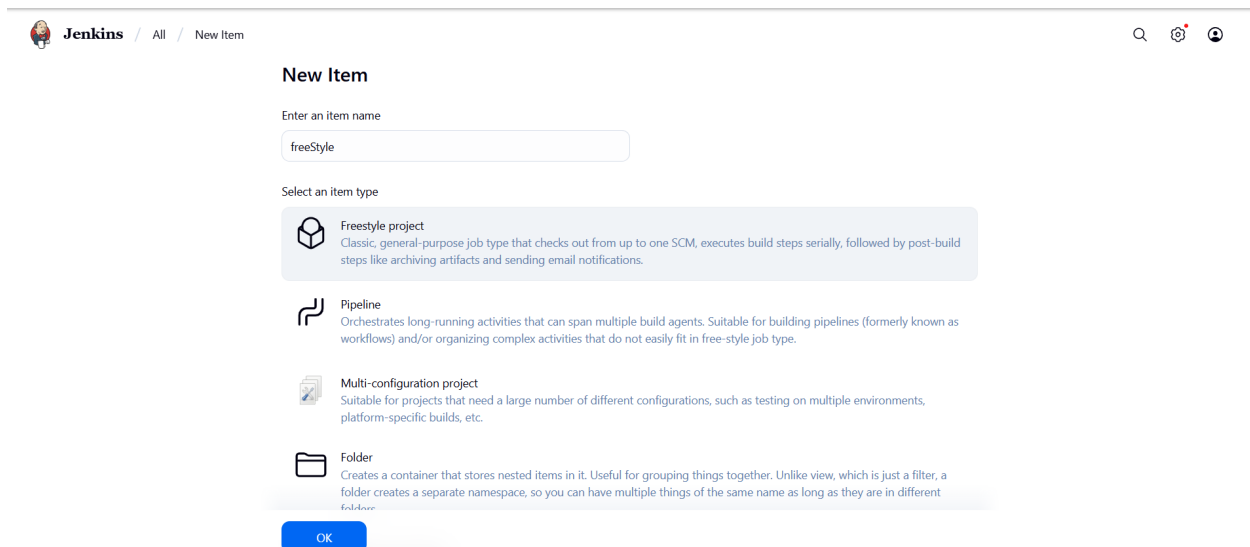
1. NAVIGATE TO **LOCALHOST:8080** IN YOUR WEB BROWSER, ENTER YOUR CREDENTIALS, AND CLICK ON **SIGN IN**



2. CREATE A NEW JENKINS JOB BY CLICKING ON **NEW ITEM**

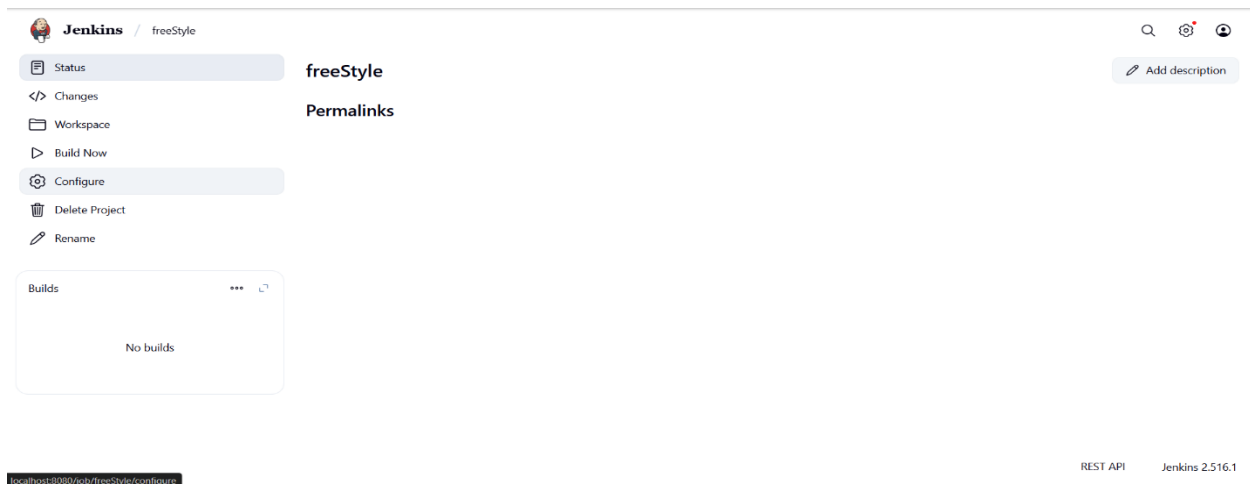


3. PROVIDE CUSTOM JOB NAME INSIDE THE FIELD **ENTER AN ITEM NAME**, SELECT THE **FREESTYLE PROJECT** OPTION, AND CLICK ON THE **OK** BUTTON TO SAVE THE JOB

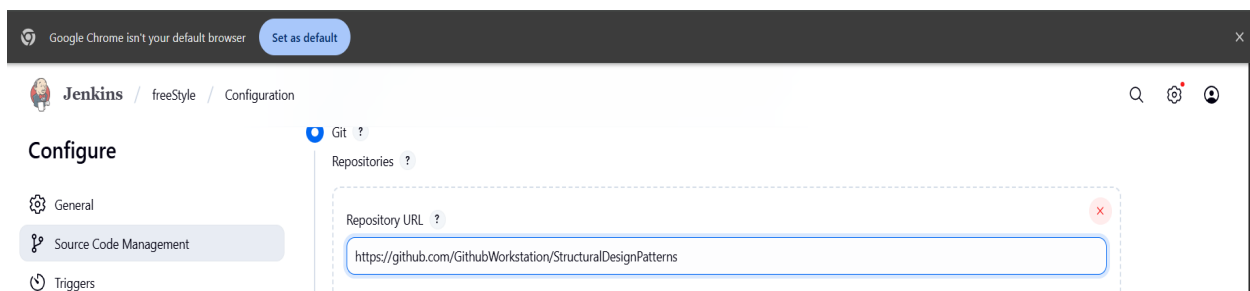


## STEP 2: CONFIGURE SOURCE CODE MANAGEMENT

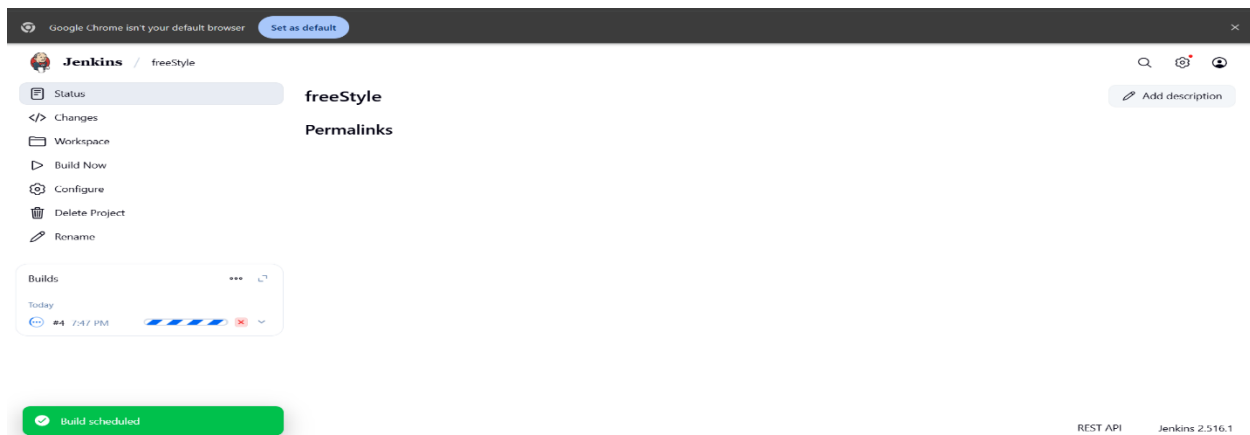
1. ACCESS THE NEWLY CREATED JOB'S CONFIGURATION SCREEN BY CLICKING ON **CONFIGURE**



2. NAVIGATE TO THE **SOURCE CODE MANAGEMENT** TAB, PROVIDE GIT REPOSITORY CONFIGURATION INSIDE THE **REPOSITORY URL** FIELD, AND CLICK ON THE **SAVE** BUTTON



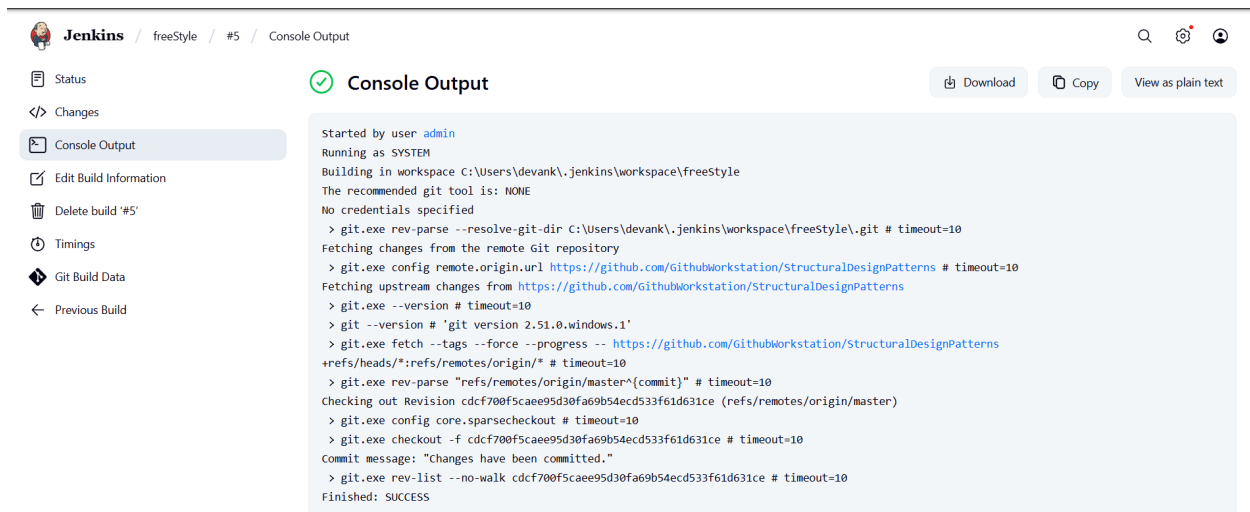
3. THEN, CLICK ON THE **BUILD NOW** OPTION TO SCHEDULE A BUILD



#### 4. TO SCHEDULE THE BUILD, CLICK THE REQUIRED LINK UNDER PERMALINKS



#### 5. CLICK ON **CONSOLE OUTPUT** TO CHECK OUT THE PROCESS DURING THE BUILD PROCESS



**BY FOLLOWING THESE STEPS, YOU HAVE SUCCESSFULLY SET UP A JENKINS JOB TO AUTOMATICALLY CHECK OUT SOURCE CODE FROM A GIT REPOSITORY, ENABLING SEAMLESS INTEGRATION AND AUTOMATION IN YOUR CI/CD PIPELINE.**