Git Hands-on Lab: Git-T03-HOL\_002

# Objectives

• Explain how to clean up and push back to remote Git.

# Goal of the Hands-on Lab

In this hands-on lab, you will learn how to execute steps involving clean up and push back to remote Git.

# Prerequisites

• Hands-on ID: Git-T03-HOL\_002  
• Git must be installed on your system  
• You must have an account on GitHub or GitLab  
• You must have access to the Git repository (remote URL)

# Estimated Time

• 10 minutes

# Step-by-Step Instructions

## Step 1: Open Git Bash

Right-click in your project folder and choose 'Git Bash Here' or open Git Bash from the Start menu.

## Step 2: Go to Your Project Directory

Use the following command to change to your project directory:

cd ~/GitDemo

## Step 3: Check Working Directory Status

To check if your working directory is clean, run:

git status

Expected output:  
On branch master  
nothing to commit, working tree clean

## Step 4: List All Branches

Run the following command to see local and remote branches:

git branch -a

## Step 5: Pull From Remote Master Branch

To pull changes from the remote repository, run:

git pull origin master --allow-unrelated-histories

## Step 6: Push Your Changes to Remote

To push your committed changes to the remote repository, run:

git push origin master

If pushing for the first time, use:

git push -u origin master

## Step 7: Verify Changes on Remote

Go to your GitHub or GitLab account and check your repository. You should see the latest changes and commits.

# Common Errors and Fixes

If you see the error:  
 fatal: destination path 'GitDemo' already exists and is not an empty directory.

Run the following to remove the directory and re-clone:

rm -rf GitDemo

git clone <https://your-repo-url.git>

