

Assignment 1: Version your Module 3 scripts on Gitea

Goal: Take the shell scripts you wrote in Module 3, turn their folder into a real Git repository with clean commit history, and publish it to the lab's Gitea server.

Where: On your lab VM, in the folder holding your Module 3 scripts. The remote is the lab Gitea server — public URL `https://git.example.com`, internal `http://10.100.100.2:3000`.

Tasks

1. If you haven't already, set your Git identity once on the VM:

```
git config --global user.name "Your Name"
git config --global user.email "you@example.com"
git config --global init.defaultBranch main
```

2. Go into your Module 3 scripts folder and initialise a repository with `git init`. Confirm with `git status`.
3. Create a `.gitignore` that excludes at least logs and any environment/secret files (e.g. `*.log`, `*.tmp`, `.env`). Make sure no real secrets or passwords are anywhere in the tracked files.
4. Stage your scripts deliberately (name them with `git add`, inspect with `git status` and `git diff --staged`).
5. Make **at least three separate commits**, each grouping related changes, with clear imperative-mood messages (e.g. `Add backup script`, `Add .gitignore`, `Document usage in README`). Add a short `README.md` describing what the scripts do as one of those commits.
6. In the Gitea web UI, create a new **empty** repository named `module3-scripts` (do not let Gitea add a README, so it starts empty).
7. Wire up the remote and push:

```
git remote add origin http://10.100.100.2:3000/yourname/module3-scripts.git
git remote -v
git push -u origin main
```

8. Open the repo in the Gitea web UI and confirm your files, commits, and messages all appear.

Deliverable

A Gitea repository `module3-scripts` containing your Module 3 scripts, a `README.md`, and a `.gitignore`, with at least three meaningful commits visible in the history, pushed to `origin/main`.

Acceptance criteria — you're done when:

- `git status` in the folder reports a clean working tree (nothing uncommitted).
- `git log --oneline` shows at least three commits with clear, imperative-mood messages.
- A `.gitignore` is committed and excludes logs, temp files, and secret/env files.
- No passwords, tokens, or secrets appear in any tracked file.
- A `README.md` describing the scripts is committed.
- `git remote -v` shows `origin` pointing at your Gitea repo.
- The repository and all commits are visible in the Gitea web UI under `module3-scripts`.
- `git push` reports everything is up to date (local `main` matches `origin/main`).

Hints

- Run `git status` constantly — before and after every `add` and `commit`. It is your map.
- To split work into multiple commits, stage and commit one logical group at a time instead of `git add .` then one big commit.
- Gitea asks for credentials on push. Prefer a personal access token (Gitea → Settings → Applications) over your password; never paste a real token anywhere shared — treat it as `<REDACTED>`.
- If your first push is rejected, re-read Lesson 4 section 3, and confirm the remote repo you created was empty.
- Forgot to ignore a file you already committed? `git rm --cached <file>` untracks it while leaving it on disk, then commit.
- Blocked for >~30 min after re-reading the lessons? Bring what you've tried to your mentor.

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