

ACIT 4850 – Enterprise System Integration – Winter 2024

Lesson 8 – Alternate CI Tools (GitLab CI)

For Lesson 8 we will be setting up GitLab CI on your GitLab VM to evaluate an alternate CI tool to Jenkins. GitLab CI is a popular CI tool for software teams using GitLab as their SCM tool as they are tightly integrated together.

Please read the following to become familiar with GitLab CI terminology:

<https://docs.gitlab.com/ee/ci/>

You will need to setup a GitLab CI Runner (or have access to an existing one) to be able run CI jobs using GitLab. Please review the following on GitLab CI Runners:

<https://docs.gitlab.com/runner/>

The pipeline definition in GitLab CI is stored in a gitlab-ci.yml file in your code repository. Please review the following on the structure of a basic gitlab-ci.yml file:

https://docs.gitlab.com/ee/ci/quick_start/index.html

The following is a video showing a demo of GitLab CI:

<https://www.youtube-nocookie.com/embed/ljth1Q5oJoo>