

# 1.0 Introduction to Jenkins

Jenkins is essentially an automation tool that helps developers build, test, and deploy their software projects more efficiently. Here's a simple breakdown:

- **What it is:** Jenkins is an open-source server that automates the software development process, especially the parts related to continuously integrating code changes and delivering updates.
- **What it does:** Imagine you have a team of developers constantly making changes to a software project. Jenkins can automatically:
  - **Build** the software every time someone makes a change to the code.
  - **Test** the software to make sure the changes didn't break anything.
  - **Deploy** the software to a server so others can use it.
- **Why it's useful:**
  - **Saves time:** Automates repetitive tasks.
  - **Improves code quality:** Catches errors early.
  - **Speeds up delivery:** Gets software updates out faster.

Think of Jenkins as a robot that takes care of all the tedious tasks in software development, freeing up developers to focus on what they do best: writing great code

## Jenkins for Syensqo

