



Jenkins

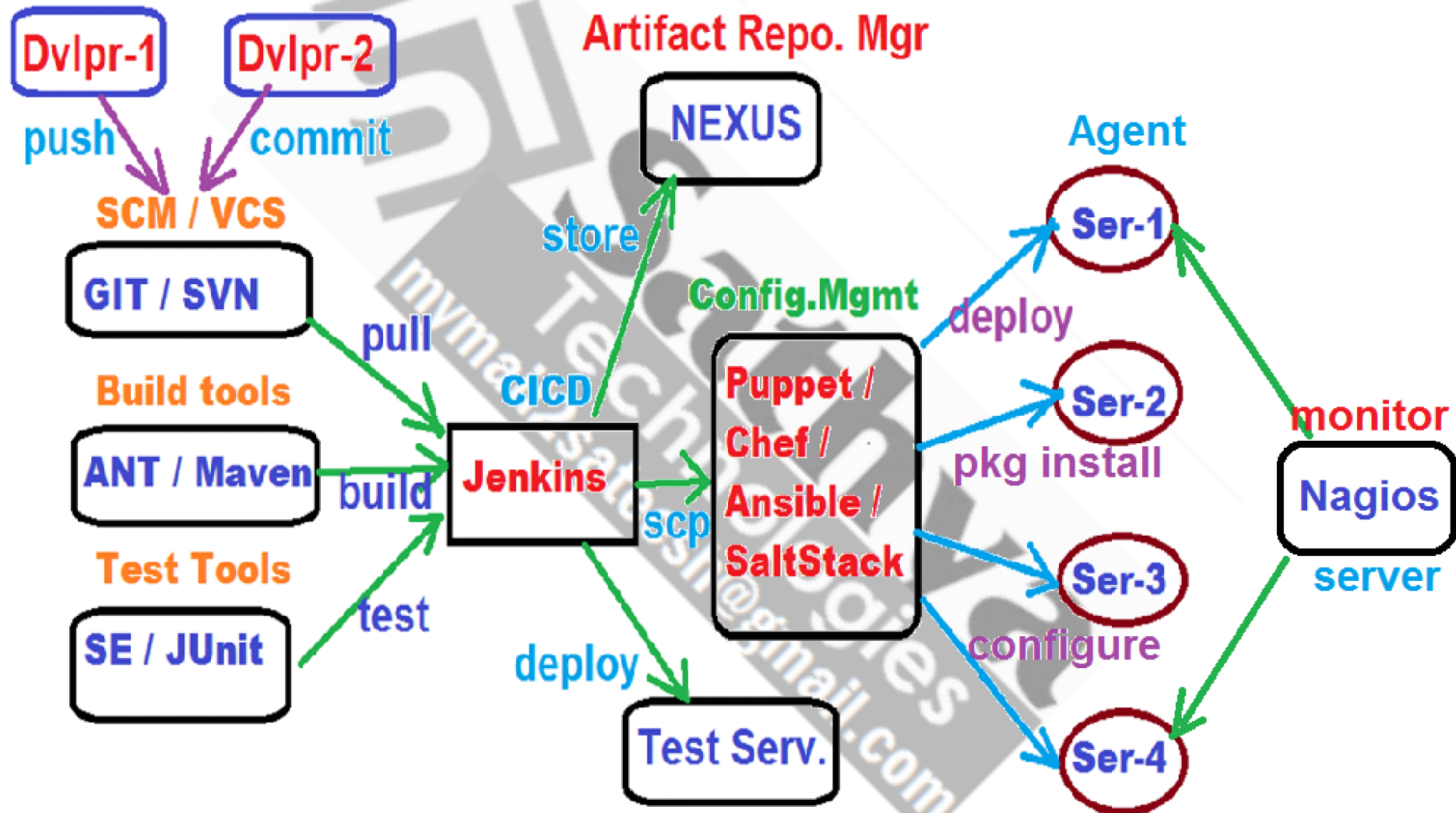
What is Jenkins?

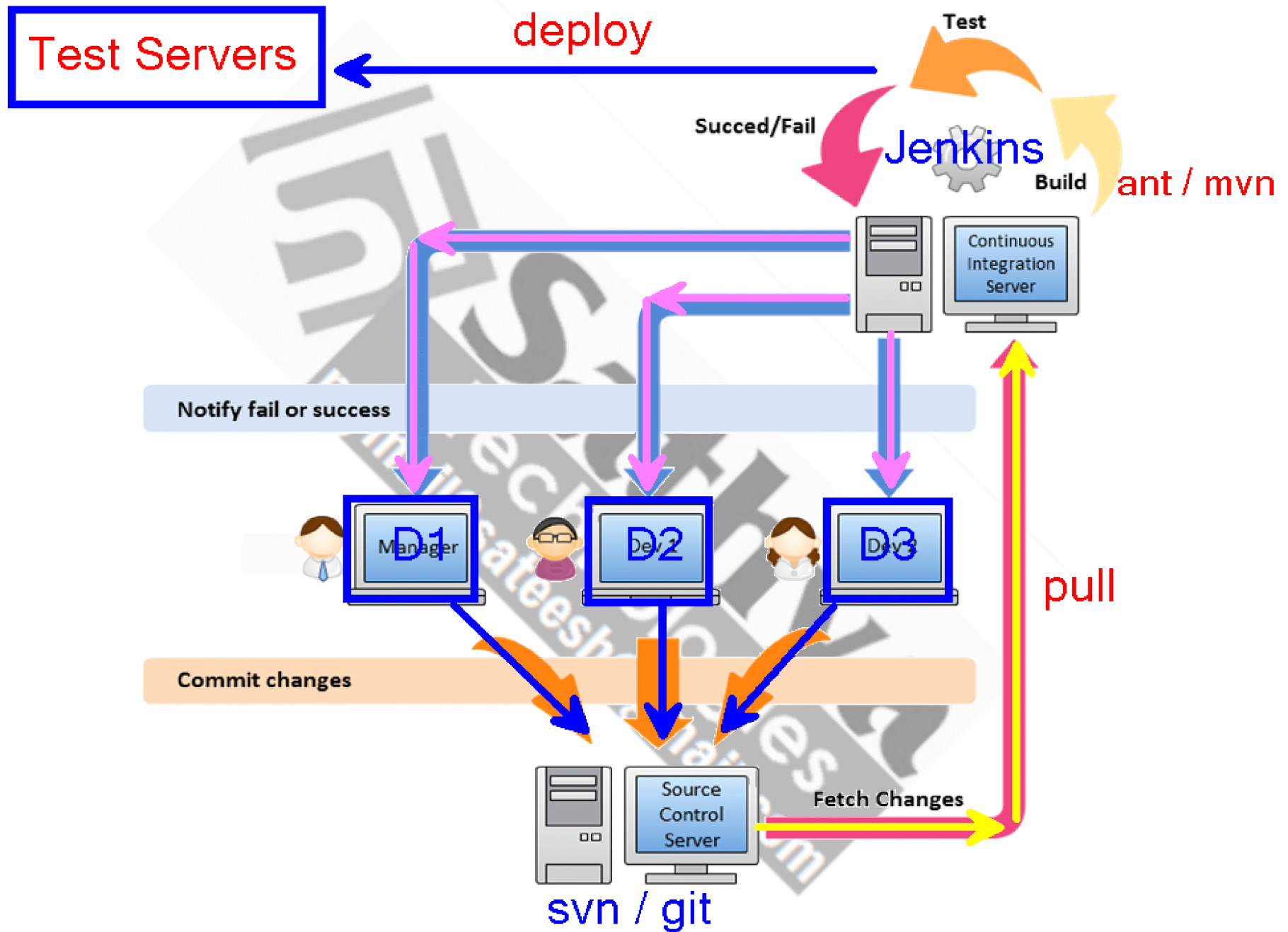
- **Jenkins** is an **open source automation tool** written in Java with plugins built for **Continuous Integration** purpose.
- Jenkins is used to build and test your software projects continuously making it easier for developers to integrate changes to the project, and making it easier for users to obtain a fresh build

What is Jenkins?

- It also allows you to **continuously deliver** your software by integrating with a large number of testing and deployment technologies.
- **Jenkins integrates development life-cycle processes** of all kinds, including build, document, test, package, stage, deploy, static analysis and much more.

What is CI/CD





Work Flow

- a developer commits the code to the source code repository. Meanwhile, the Jenkins server checks the repository at regular intervals for changes.
- after a commit occurs, the Jenkins server detects the changes that have occurred in the source code repository. Jenkins will pull those changes and will start preparing a new build.

Work Flow

- If the build fails, then the concerned team will be notified.
- If built is successful, then Jenkins deploys the built in the test server.
- After testing, Jenkins generates a feedback and then notifies the developers about the build and test results.