LU02b - Jenkins' architecture

Internal reference: learningunits/02-2.md

Goals

1. I can explain the roles and responsibilities of the Jenkins **master (controller)** and **agents**.
2. I can explain how **build tasks are delegated**, and how communication between master and agents occurs.
3. I can distinguish between **vertical scaling** and **horizontal scaling**.
4. I can identify the benefits and trade-offs of each scaling approach for performance, maintenance, and reliability.
5. I recognize the **importance of test and production environments**.
6. I understand why Jenkins setups should include separate test and production instances to ensure stability and safe testing of upgrades, plugins, and pipelines.

Basics

In this article, you will learn about Jenkins architecture and its parts.

Internal reference 02-2.md

Exercises

Make your own notes while reading the article.

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