

Continuous Integration Micro-Service for Virtual Labs



Aim

To build a micro-service which continuously builds and tests changes made to the code in a Github repository.

Definition

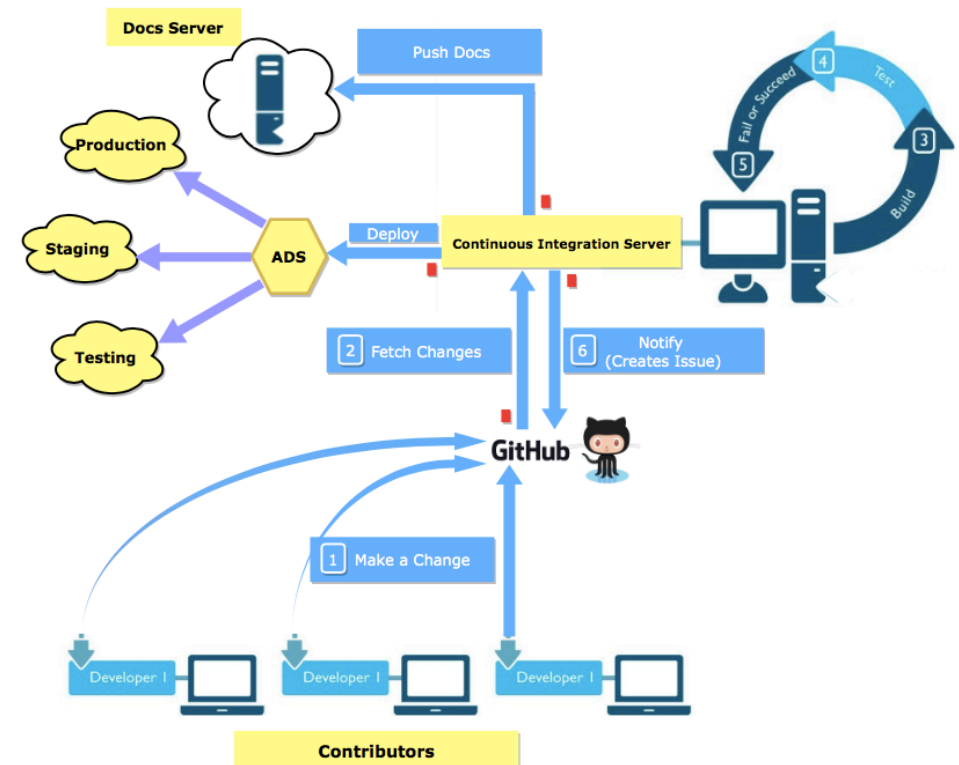
Continuous integration (CI) is the practice of merging all developer working copies to a shared

The key goals of continuous integration are to address bugs faster, improve software quality, and to quicken the build process.

Results and Conclusion

The continuous integration service detects commits to the shared repository, and automatically builds and runs unit tests on the new code changes to immediately surface any functional or integration errors.

Our service was able to provide it's functionality without any issues. Instead of relying on existing continuous integration services like Jenkins or Travis which weren't able to satisfy all of our functional requirements, we were able to provide them by developing our own micro-service.



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