Project Information



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| Date  School/ College  Faculty  Course  Project Name  Supervised by  Project Team | Sep 02, 2019  Centennial College  School of  Engineering Technology  and Applied Science  API Engineering and Cloud Computing – COMP306  Cloud Automation  Prof. Reza Dibaj  Chandra Rai (300890510)  Narayan Guragain (300902232)  Balkrishna Dhakal (300916314)  Bishnu Khanal (300924228)  Siyanthan Viji (300925200)  Shiva Raut (300902187) |
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**Abstract**

Cloud Automation project is about building a pipeline for continuous integration and delivery of services to customers. One of the main benefits of the project is its ability to shorten service delivery time to customers by automating processes. These processes are developed through the orchestration of several different automated tasks in the workflow. As automation is a key focus in every stage it passes through, we would basically use continuous integration and deployment tools available publicly in the cloud in order to achieve this goal.

**Overview**

**CI and Delivery of Services orchestration**

Commit

Build

Test

Deploy

*Pipeline*

**CI and Delivery of Services tools**

1. Configuration Management

* git
* github (Cloud Platform)

1. Build tools Platform Docker

* Dockerhub (Cloud Platform)

1. Integration and Delivery Platform

* Circle CI (Cloud Platform)

1. Scripts/ Configuration

* yaml
* Dockerfile

**References**

Farley D., Humble, J. (2010). Continuous Integration. *Continuous Delivery: Reliable Software Releases through Build, Test, and Deployment Automation*. Pearson Education.

Retrieved from https://searchitoperations.techtarget.com/definition/cloud-orchestrator