Assignment 1

Submitted By:

Name: Eftykhar Rahman

ID: 18301041

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Submitted To:

Mohammad Zavid Parvez, PhD

Assistant Professor

BRAC University

Making a Comparison Between Agile and DevOps:

DevOps is a bunch of practices that consolidates programming improvement (Dev) and IT tasks (Ops). It intends to abbreviate the frameworks improvement life cycle and furnish consistent conveyance with high programming quality.

Agile is an advancement strategy which advances more limited improvement life cycles and where there is feedback loop which prioritizes the customer feedback and changes as indicated by it.

Key Comparisons Between Agile and DevOps

- Agile focuses on cross-functional group correspondence and conveying consistent iterative deliveries. DevOps centers around joining the Development and Operations groups in a consistent improvement measure.
- Agile focuses on accepting mid-project changes. DevOps centers around the start to finish programming measure that accepts steady turn of events and testing.
- Agile supporters make gradual arrangements after each run. DevOps expects to present constant conveyance day by day.
- In Agile, groups have comparable ranges of abilities. In DevOps, team members have different ranges of abilities.
- Agile Tools: Jenkins, Kubernetes, Docker, GitLab, Jfrog Antifactory, Nagios, puppet etcetera. DevOps Tools: Active Collab, JIRA, Agile Bench, Pivotal Tracker.

Describe Most Used and Popular DevOps Tools (Any Two):

The most used and popular DevOps tools are given below:

GitHub:

GitHub is utilized by developers and organizations to build, ship, and look after programming. It makes it conceivable to team up and share code and keep tabs of what's changed along the way. GitHub remains as one of the top DevOps tools for easy collaboration where developers can make rapid change to the code which notify to other team members instantly. However, in case of bug in code, it can immediately role back to previous version of code within seconds.

Slack:

Slack is one of the most effective communication tools used by teams for collaborating on projects. This tool in the DevOps stockpile is utilized by specialized associations across the globe to decrease boundaries and offer all colleagues a reasonable understanding into the work process. One energizing element about Slack is that it permits developers to work together utilizing toolchains in a similar climate they are speaking with other maintenance and administration individuals.