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# DevOps-

1. DevOps is methodology/practice/culture to bridge the gap between development and operations, with help of some automation tools.
2. In order to achieve quality and faster delivery of the product, DevOps involves multiple cycles of develop, build, test, deploy, monitor
3. DevOps involves continuous feedback on every stage of product lifecycle.
4. Phase of DevOps methodology are-

i) Continuous Development

ii) Continuous Integration

iii) Continuous Test

iV) Continuous Deployment

v) Continuous Monitoring

5) DevOps is intersection of development and operation process i.e. some common stages and few development stages are not part of DevOps as well as few stages of operations are not part of DevOps process.

# Why DevOps-

1. Waterfall model was a sequential process. Unless one stage is completed we can not proceed to the next stage.
2. Agile method-Is practice of multiple iteration of continuous development and testing

throughout the software development life cycle of the project. Hence both software development and testing are concurrent, unlike waterfall.

However there is no collaboration between development process and operations, to ensure final and smooth release of the project.

Also there was manual process involved which was performed by multiple users like (Developer, Build Release Engineer and System Admin engineer) hence chances of error were multiple.

Agile is scrum module i.e. job is divided into smaller task, Task went through cycle of develop, build, test, deploy each. This cycle is called sprints and all sprints together are called scums.

1. What is expected from DevOps Engineer- To ensure quality delivery faster (which will be achieved by automation of the process, continuous Testing and continuous monitoring)