DevOps Bangladesh

DEVOPS

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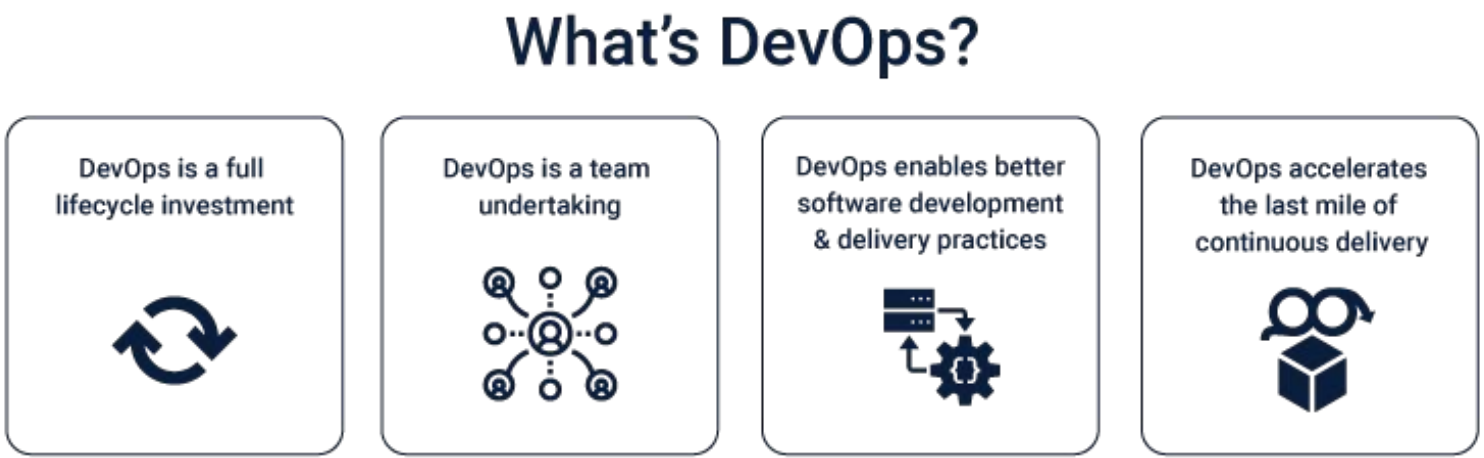
What is DevOps ?

- Combination of cultural philosophies, practices, and tools
- Culture of shared understanding between developers and operations
- Culture of practicing shared responsibility



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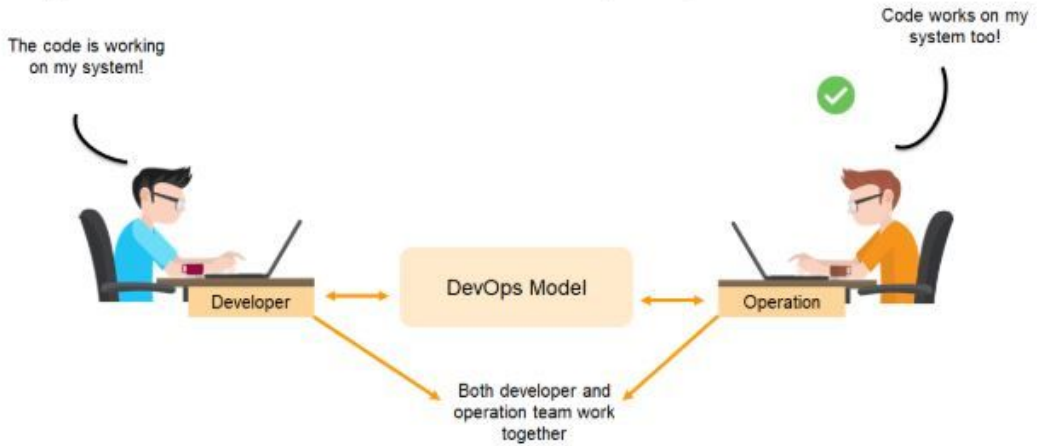
What is DevOps ?

- A hypothesis is to increase transparency, communication, and collaboration
- A set of practices that combines software development and IT operations



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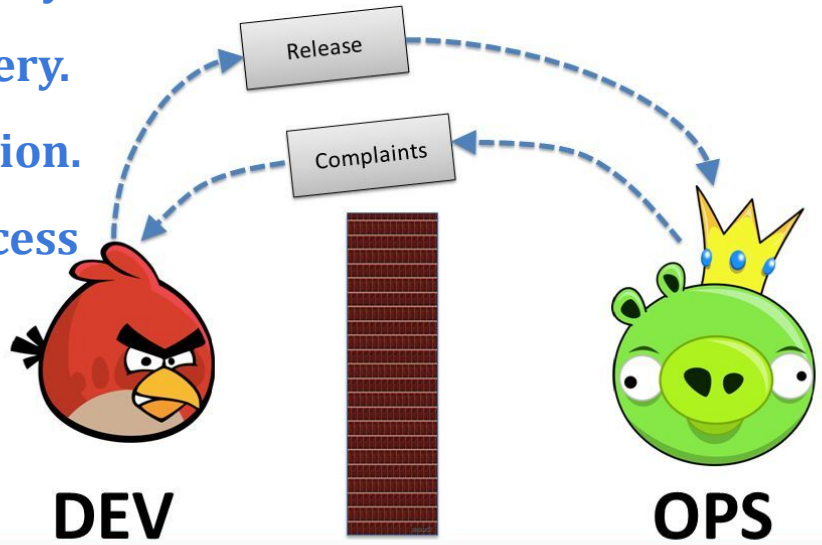
Why DevOps ?

- Aims to Shorten SDLC
- Continuously High Quality SW Delivery.
- Enable Velocity of Continuous Delivery.
- Aim to Zero Manual Tasks in Operation.
- Speedup final Product Delivery Process
- Early issue Detection & Correction.
- Maintain identical environment



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DevOps Phases

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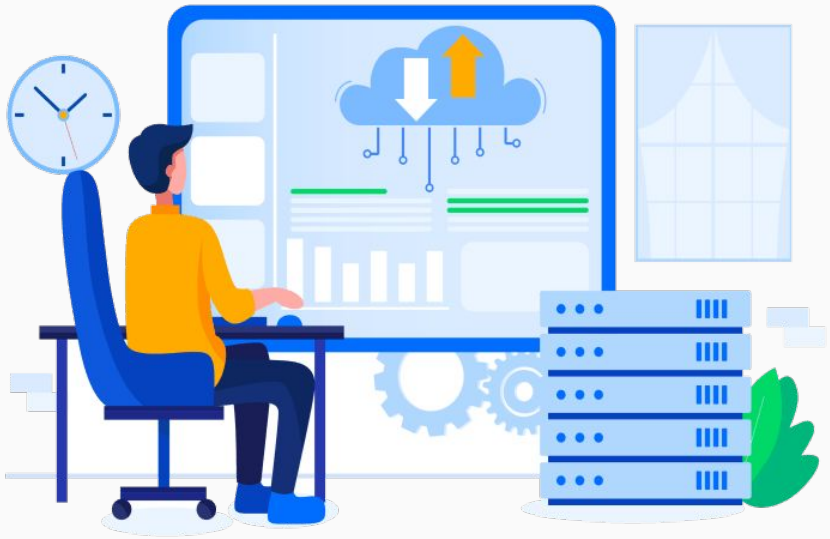
DevOps Practices



- Continuous Integration (CI)
- Continuous Delivery (CD)
- Microservice Architecture
- Infrastructure as Code (IaC)
- Monitoring & Logging
- Communication & Collaboration

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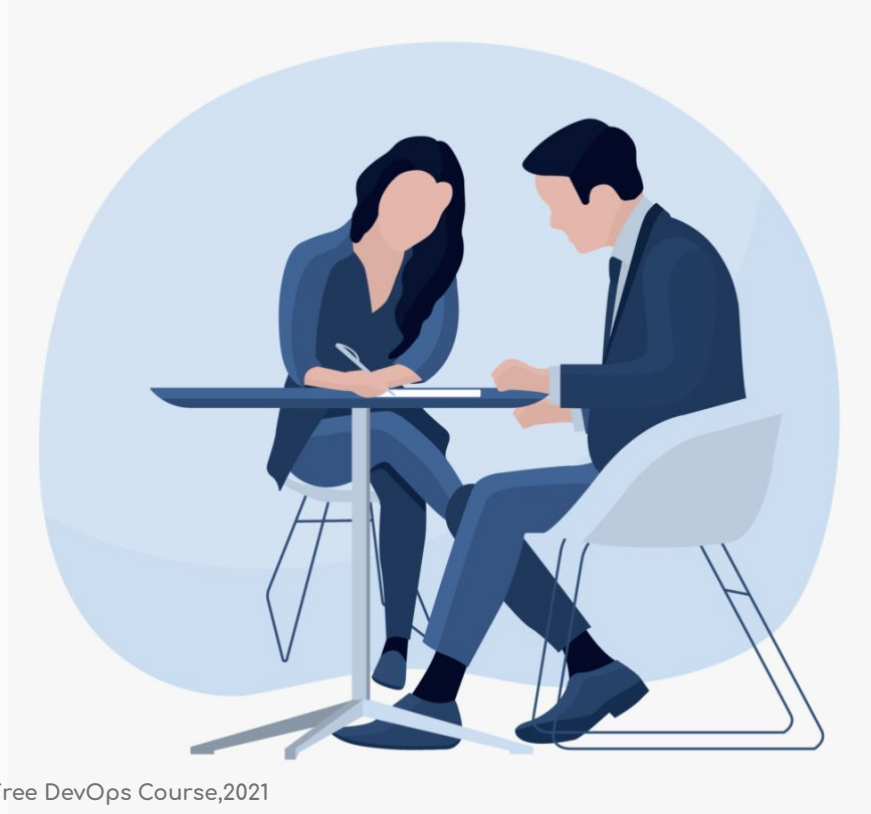
DevOps Engineer Roles & Responsibilities



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A DevOps Engineer generally will do -

- ❑ Requirement Understand
- ❑ Configuration Document
- ❑ Configure & Manage CICD
- ❑ Infrastructure Provision
- ❑ Infra & App performance Assessment
- ❑ Collaborate with Dev & QA
- ❑ Configure & Manage Logs

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DevOps Engineer

Required Skill Set

- Git / Version Control
- Programming / Scripting
  - Python / Bash /Groovy
- Linux / UNix Fundamental
- Infrastructure Orchestration
- Network Fundamentals
- Container & Virtualization
- Monitoring & Log Management
- SQA Automation Tools

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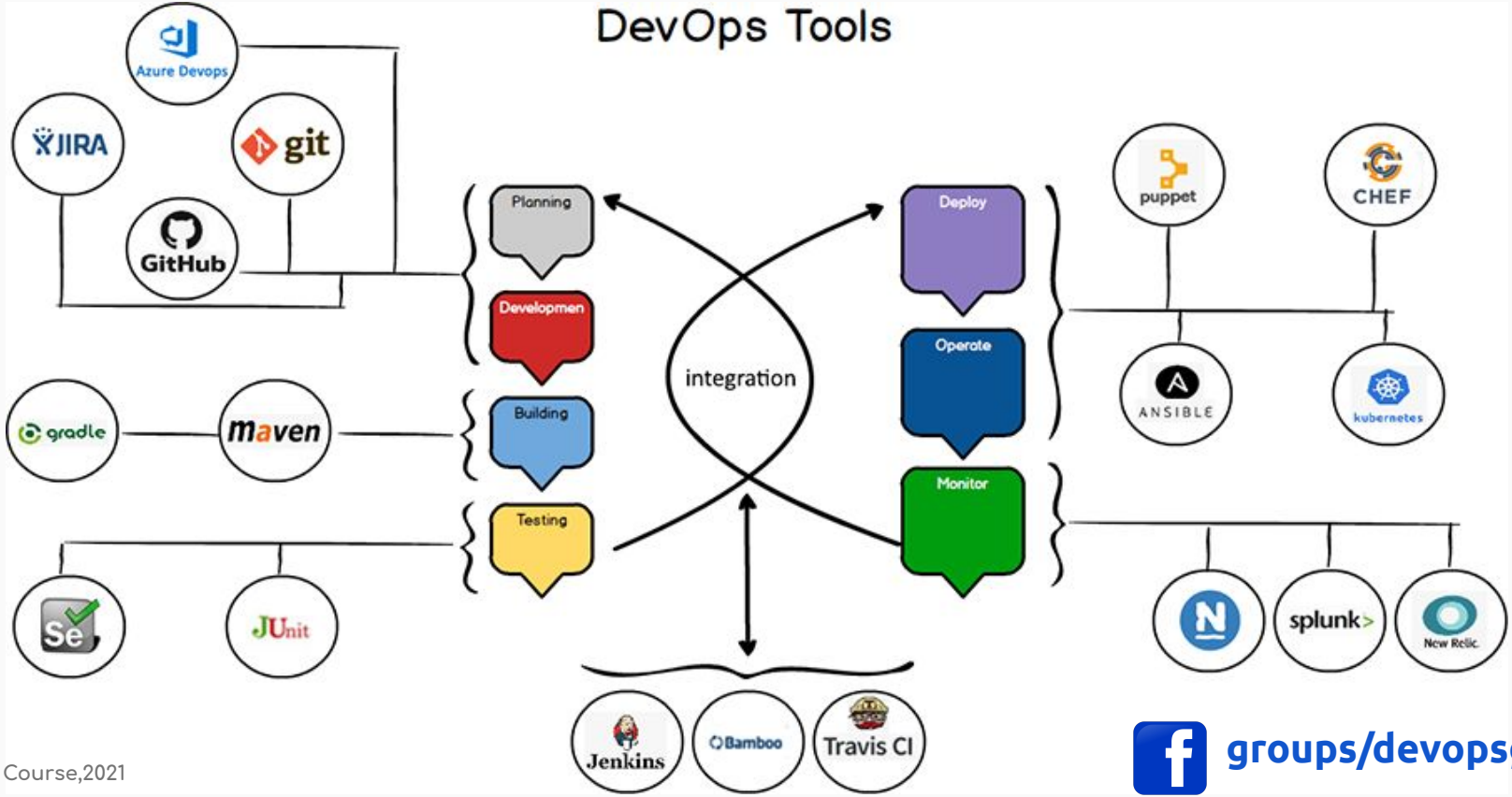
DevOps Tools



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DevOps Session Materials Repository

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Introduction to DevOps Culture & Practices . pdf

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