

# 06.30Apr.JavaConsoleApp-BuildTool

30 April 2023 04:49 PM

1. Requirement Analysis(Business Analyst)
2. **Dev:**
  - a. Application Development
    - i. UI/UX Designers = Design
    - ii. Software Engineer = Code ( Functionality)
    - iii. Tester = Test Cases
3. **Ops:**
  - a. Prepare Infrastructure(Cloud=AWS) = System Engineer
  - b. Deployment an Application(Pipeline = CICD) = [Manually = Web Masters, Administrator --> **Automated**]
    - i. What is An Application
      - 1) Set of programs/Functionality
      - 2) Developed using Programming Language(Java)
    - ii. Types of Applications
      - 1) Console Based Application(CUI)
        - a) Command Line( touch, javac, java)
        - b) Build Tool
      - 2) GUI
        - a) Windows Based Application
        - b) Web Based Application**
        - c) Mobile Based Application

Enter Value of a: ABC

Enter Value of b: 2

Addition is: 12

DBA = Data Base Administrator

10 = 10 DBA ==> **DevOps** ==> 2/3 DBA

10 = 10 Linux Administrator ==> **SysOps** ==> 0

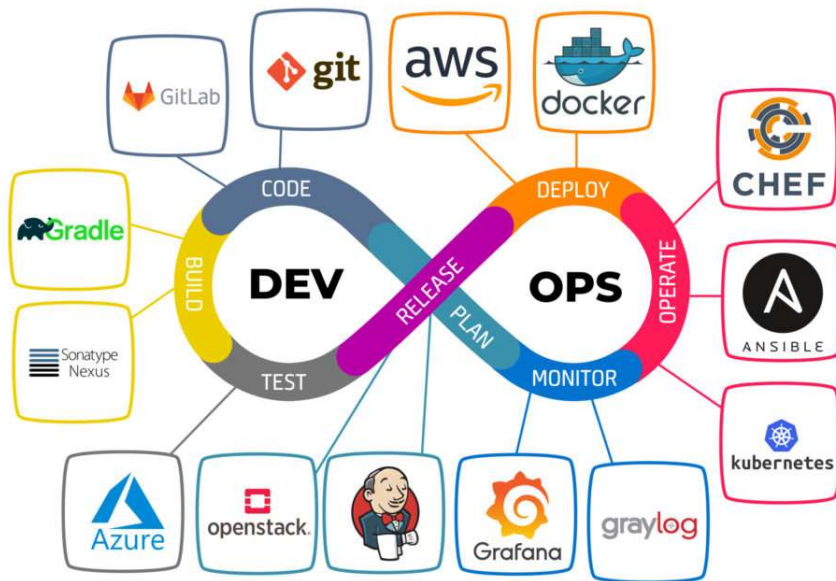
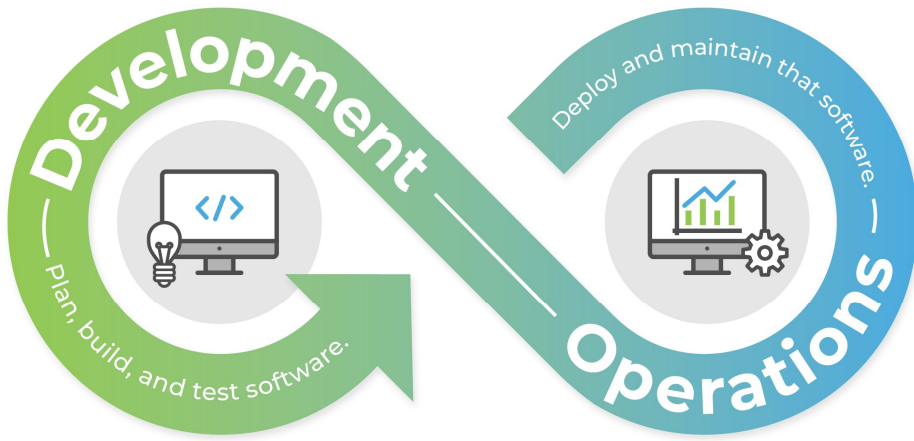
10 = 10 System Admin ==> **SysOps** ==> 0

Network Administrator ==> DevOps

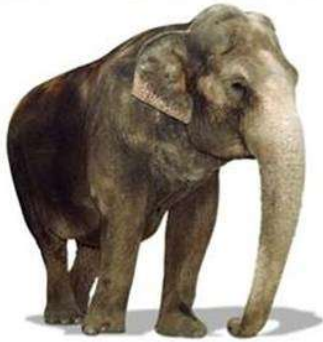
Cloud Administrator(Manually) ==> Cloud Engineer(Automation)

**Service**= Requirement Based --> Custom requirement --> Develop --> Infra --> Deploy

**Product**= Solution Based(MS Office) --> Feedback



### Customer requirement



1. Have one trunk
2. Have four legs
3. Should carry load both passenger & cargo
4. Black in color
5. Should be herbivorous

### Our Solution



1. Have one trunk ☒
2. Have four legs ☒
3. Should carry load both passenger & cargo ☒
4. Black in color ☒
5. Should be herbivorous ☒

Our Value add:

Also gives milk 😊

CI/CD = Automated Solution(Pipeline)

Integration = Jenkins

Deployment = Ansible

Infra(Auto) = Terraform

Automation

Hardware

Software

Management = **Agile**

Client = Share Requirement

Management = Prepare Road Map

Technical = Plan(T1,T2,T3,T4)

Application = **DevOps ( Techi)**

Development

Running



Operator(BPO/KPO) --> Administrator --> Engineer --> Architecture

Developer --> Java(ABC.java) --> Translate --> (.class)RUN (Highly Available, Downtime)

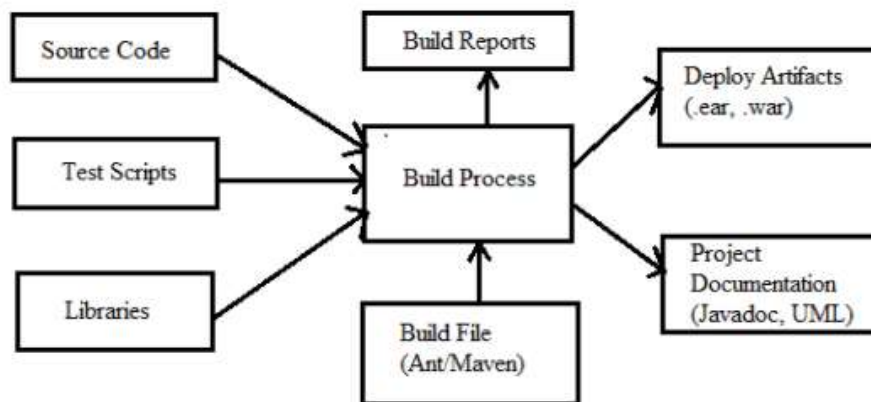
Console Application-CMD

Ticketing Tool = Task = Jira, ServiceNow, Trello

VCS Tool = CODE = Github, Gitlab

Build Tool = Translate = Apache Maven

Container Tool = RUNNING = Docker --> Kubernetes



1. Generate Enterprise Application Project Structure

- a. # mvn ^  
    archetype:generate ^  
    -DgroupId=createwar ^  
    -DartifactId=createwar ^  
    -DarchetypeArtifactId=maven-archetype-quickstart ^  
    -DinteractiveMode=false

1. VirtualBox (Kali/Ubuntu)

2. LXP

- a. Recorded Video
- b. Running Notes

3. Group Description

- a. Meeting Link
- b. Running Notes

