

Step 1

Basics of Linux

Server Management in Linux

Vagrant

Basics of networking

Vprofile Project Intro & Setup on VM's



Step 2

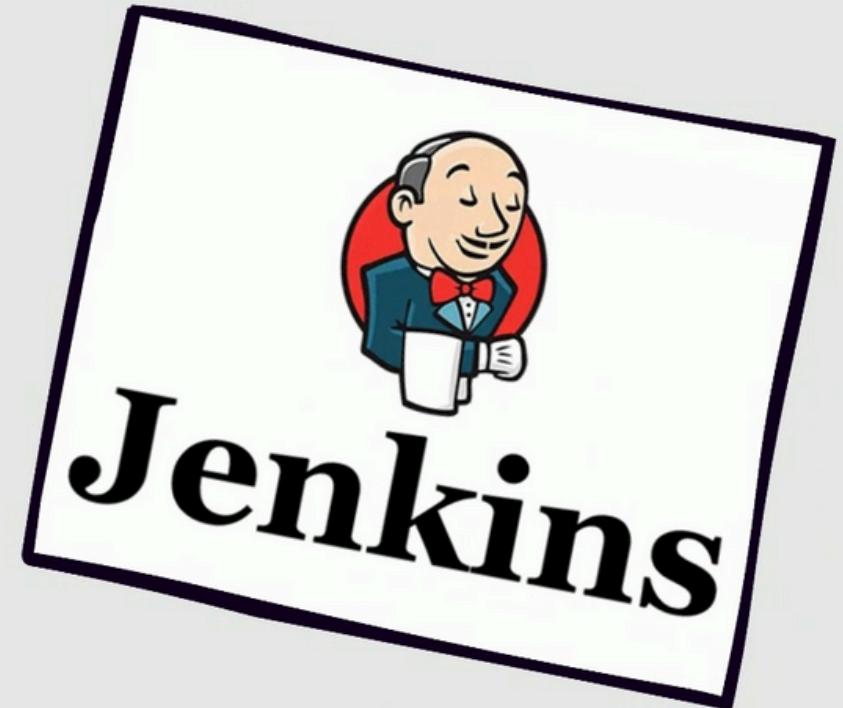
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Cloud Computing Intro | AWS
IAM
Ec2 Instances, EBS Volumes,
ELB
S3 Cloudwatch
RDS
Autoscaling
Route53
Vprofile Project setup on AWS Cloud



Step 3

GIT
MAVEN
JENKINS
Continuous Integration/Delivery
CICD Pipelines
Nexus
Sonarqube
Jenkins Administration
Pipeline As A Code



Step 4

Bash Scripting
Variables, Conditions, Loops etc
Automating day to day admin task

Python programming basics.
Vars, datatypes, conditions,
loops, function, modules etc
Pythons for automating OS tasks



Step 5

Ansible Intro

Ad Hoc commands

Modules

YAML intro

Playbooks

vars, conditions, loops, handlers,
templates etc etc etc

Variables deep dive & Roles

Ansible for AWS



ANSIBLE

Step 6

AWS Part 2
VPC in depth
Log management and custom metrics
Cloudwatch,
AWS Cli & S3 cli
Beanstalk & RDS
Vprofile on Beanstalk
Code Commit, Code Build & Code Pipeline



Step 7a

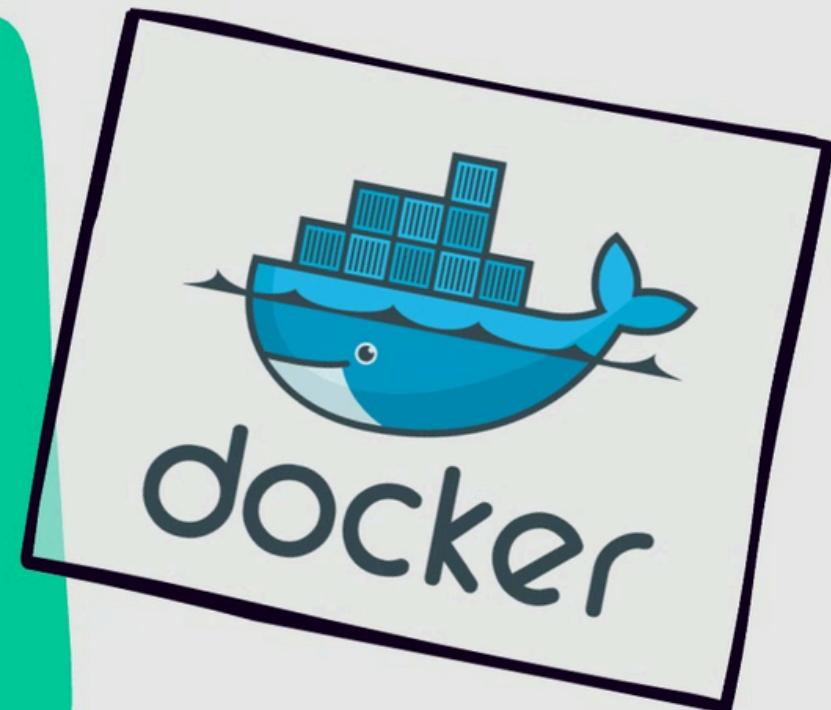
Docker Intro

Understanding and Implementing
Containers

Volumes, Network, logs etc

Building Images for Vprofile project

Docker compose to run vprofile multi
containers



Step 7b

Kubernetes Intro

Kubernetes setup for production Env

Kubernetes objects

Pods, Services, Controllers,

Deployment, Replication, Autoscaling,

Resource quotas, secret, configmap,
namespace.



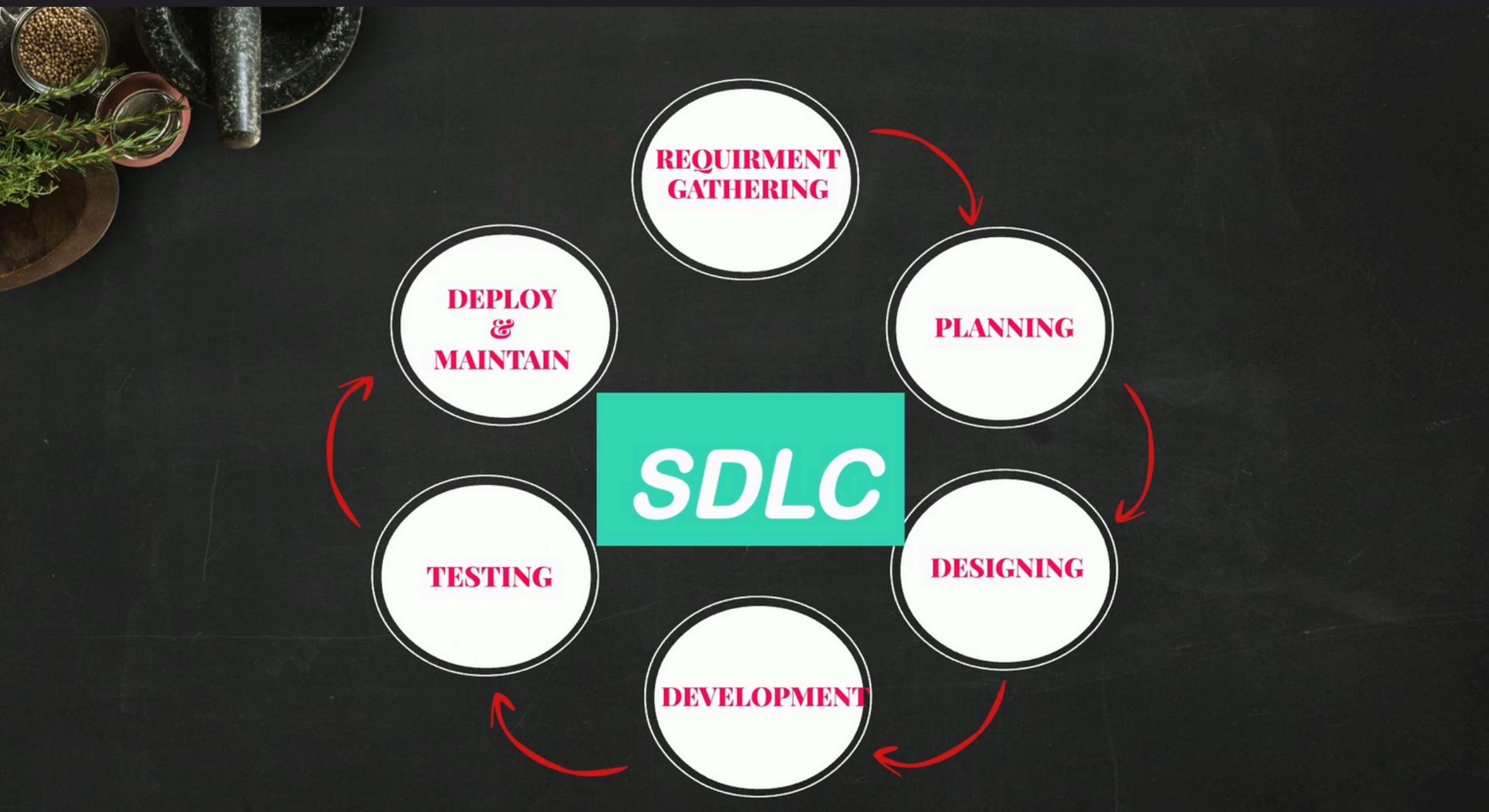
kubernetes

Step 8

Cloud Automation with
Terraform
Cloudformation



CloudFormation



DevOps Lifecycle

