

1. **Linux Knowledge**
 - AWS Ec2 Machine Creation- 1 year free S3,SES, Ec2 Lambda
 - Linode, Digital Ocean, Google, Azure.
 - Login ssh, Pem/password
 - Do their project setup, MySQL, node, java, and python
 - Machine ping, Telnet
 - Commands
2. **DNS Mapping /Network, Port opening, firewall, Security Group.**
3. **Docker**
 - Docker- volume, container, images, inspect docker, copy files local
 - Docker compose
 - Docker ports opening
 - They should get docker ability.
4. **CI/CD Setup - Github Actions /Jenkins**
5. **Kubernetes**
6. **High availability, Load balancing**
7. **Web Servers and Https - Certbot, ACM**
8. **Infrastructure -**
 - CPU Utilization
 - Disk Utilization check
 - Ec2 Instance types
 - System configurations - RAM, CPU, Processor , Cost-effective.
9. **Logging, Error tracing.**