Kelly Technologies

AWS DEVOPS
Introduction to AWS DEVOPS

What is DevOps in cloud?
History of DevOps
DevOps and software life cycle
DevOps main objectives
IAAS overview
PAAS overview
SAAS overview
Continuous Testing and Integration
Continuous Release and deployment
Continuous Application monitoring

AWS Web Services
Basic of Linux for AWS

- Cd
- Mkdir
- Ls
- Jobs
- Chmod
- Vim
- Vi & cat
- Gzip
- And many more….

Amazon Elastic Compute Cloud (EC2)(Complete)

- Different instance types
- AMI's
- Volumes
- Snapshots
- EIP's
- Key pairs
- Security groups
- Network Interfaces
- Load balancers
- Auto scaling
- Tags

AWS S3

- What is s3?
- Buckets & objects
- Pre-signed URL
- Permissions
- Distributions
- Relation between Cloud front, S3 & glacier

VPC

- VPC basics
- Public subnets & private subnets
- Network ACL's
- Difference between Network ACL & Security groups
- Route tables
- Internet gateways
- DHCP option sets
- Launch Servers with VPC.

Kelly
Technologies

IAM
- Basics of AWS permissions.
- Roles
- Profiles
- Policies
- MFA authentication.
- User permissions
- Groups based
- AWS key & Secret Key

Dynamo DB
- What is no sql technologies
- Dynamo DB capacity
- Create tables & do a sample projects.

Route 53
- Hosted zone
- Types(Cname, Ip address, MX)
- Change references to meet CName

SES
- Email services
- SMTP Servers

SQS
- Queue creations
- Retention periods
- Dead letters

SNS
- Topic
- Subscriptions
- Notification & Applications

Cloud Watch
- Different Metrics
- Monitoring
- Custom metrics

Cloud Formation
- Cloud formation templates
- Complete resources & explanation with sample templates

Cloud Front
Code deploy
- Why Code deploy
- How to apply patch with Code Deploy

Workspaces
Glacier

Automation of Jobs:
- Jenkins

Provisioning tools
- Chef basics
- Salt stack

Monitoring tools:
- Check_mk (Nagios)

Network Concepts:
- Active directory
- Computer name
- Network commands

Languages:
- Python
- PowerShell
- Jinja
- Java
- C#.net
- AwsCli Commands