

Nexus Institute

Linux & Aws



Linux

- Introduction to windows & Linux OS
- Creation of files & folders in windows & Linux
- Difference between Windows & Linux OS
- Basic commands in Linux
- Flavors of Linux
- Advantages of Linux OS
- Components of Linux OS
- Linux File System Hierarchy
- Hard links & Soft links
- Job scheduling by using cron
- Package management tools yum & rpm
- cp & mv command
- Tar command
- User management
- File permission
- Access control list (ACL)

Scripting

- Introduction of scripting
- Importance of Sha-bang
- Various types of Operators in scripting
- Various types of Variables in scripting
- Different types of statements in scripting
- Different types of Loops in scripting

Cloud Computing

- Introduction to Cloud Computing
- Characteristics of cloud
- Types of Cloud
- Services provided by cloud
- Difference between AWS, Azure & GCP

Load Balancer

- Introduction to load balancer (LB)
- Types of load balancers
- Concept of TCP & UDP
- OSI model
- Different strategies use in LB
- Components of LB
- Parameter in Health check of instances
- Use of application LB with header

Elastic Cloud Computing

- Introduction to Elastic Cloud Computing (EC2)
- Creation of windows & linux server
- Installation of Apache-httpd & IIS webserver
- Amazon machine image (AMI) & types of AMI
- Security groups & Key pairs
- Bootstrap script
- Elastic ip
- Importance of chkconfig command
- Concept of zone & region in aws
- Types of instances
- Various purchasing options available for an instances

Cloudwatch

- Introduction to Cloud watch
- Creation of events in Cloud watch
- Creation of Alarms using Cloud watch

Cloudtrail

- Introduction to Cloudtrail
- Difference between Cloudwatch & Cloudtrail

Identity & Access Management

- Introduction to IAM
- Types of users in AWS
- User & Group creation
- User & Group deletion
- Types of policies in IAM
- Giving policies to user & group
- Concept of Role in IAM

Cloudfront

- Introduction to Cloudfront
- Concept of Edge location & Regional Edge location
- Concept of TTL (Time To Live)
- Importance of Invalidation request
- Creation of CDN Distribution

Route53

- Introduction to Route53
- Concept of DNS (Domain Name System)
- Functions of route53
- Types of top level domain in aws
- Concept of hosted zone in Route53
- Types of DNS records
- Different Routing policies in Route53

Auto Scaling

- Introduction to Auto Scaling
- Steps in Auto Scaling
- Components of Auto Scaling

Simple Notification Service

- Introduction to SNS
- Creation of topic in SNS
- Adding Subscriber in SNS

Elastic Block Storage

- Introduction to EBS
- SAN (storage area network) technology
- Types of volume
- Advantages & Disadvantages of EBS
- Adding extra volume to windows & Linux servers

Elastic File System

- Introduction to EFS
- Advantages & Disadvantages of EFS
- Difference between EBS & EFS
- Syncing directories of different servers

Simple Storage Service

- Introduction to S3
- Concept of Bucket & Object in S3
- Versioning in S3
- Use of delete marker
- Cross region replication in S3
- Advantages & Disadvantages of S3
- Difference between EBS, EFS & S3
- Website hosting in s3
- Storage classes of objects in S3
- Life cycle management of object in S3

Relational Database Service

- Introduction to RDS
- Examples of RDS
- Creation & connecting of Mysql Database
- Various queries in Mysql Database
- Use of Where Clause
- Understanding of various functions
- Use of various operators
- Creation & Deletion of users in Mysql
- Taking Backup of Mysql Database
- Restoring of Mysql Database

Dynamodb

- Introduction to Dynamodb Database
- Difference between Mysql & Dynamodb
- Creation table in Dynamodb

Virtual Private Cloud

- Introduction to VPC
- Concept of subnet & types of subnet
- Concept of Internet Gateway & Nat Gateway
- Concept of Route Table & types of Route table in vpc
- Concept of VPC Peering & non transitive peering
- Importance of CIDR
- Understanding of NACL
- Difference between NACL & SG

Contact Us



www.nexusctc.com



hr@nexusctc.com



7666896204

7066541234

7066561234

