CLOUD COMPUTING

- What is Cloud Computing?
- What is Infrastructure
- What is On-premise Infrastructure
- What is Virtualization Infrastructure
- What is Cloud Infrastructure
- What is Devops Infrastructure
- What is Hyper-V
- Deploy VM using Hyper-V
- Types of Cloud Services?
- What is AWS Cloud
- How to Create AWS Account
- What is Regions
- What is Zone
- What is Security Group
- How to Create Security Group
- What is Key pair?
- How to Create Key Pair
- What is AMI & Custom AMI?
- How to Create Custom AMI
- What is Instance Type in AWS
- What is EBS Volume
- How to create EBS Volume
- How to attach EBS Volume with Instance
- What is Instance Storage
- What is TAG
- What is Elastic IP Address
- Deploy Instance in AWS Cloud
- Project 1

INTRODUCTION OF LINUX

- Introduction of Linux?
- Introduction of Linux Directories?
- Introduction of Linux User interfaces?
- Create Linux User & Login
- How to Create File in Linux
- How to Create Directory in Linux?

- How to Edit Files using Vim Command
- How to install Packages in Linux?
- How to Deploy Linux Instance in AWS
- How to Login Linux Server in On-premise
- What is Putty
- How to access Linux Server Via Putty
- How to move File one to other directory
- How to copy data one to other Directory
- How to upload data windows to Linux Instance
- How to install webserver service in Linux
- How to restart Linux services
- How to deploy Website in Linux instance
- Project 2

INTRODUCTION OF WINDOWS

- What is Operating system
- Type of Operating System
- How to Create Windows instance in AWS
- How to Access Windows instance in on-premise
- How to install IIS Webserver Service
- How to Deploy Website in Windows Instance
- Project 3

INTRODUCTION OF AWS NETWORK

- What is Network
- What is VPC in AWS
- How to create VPC
- What is Subnet
- How to Create Subnet
- What is Route table
- How to Create Route table
- What is Gateway
- How to create Internet Gateway
- What is NAT Gateway
- How to create NAT Gateway

- What is VPN Gateway
- How to Create VPN Gateway
- What is Peering Connection
- How to Create peering Connection
- What is ip address
- What is IPV4
- What is Subneting
- Project 4

AWS CLOUD SERVICES

- What is Load Balancer
- Type of Load Balancer
- What is public Load Balancer
- What is Private Load Balancer
- How to Create Public Load Balancer
- How to Create Private Load Balancer
- How to Attach Instance with load balancer
- How to Remove Instance with load Balancer
- What is Auto scaling
- How to Create Auto Scaling in AWS Cloud
- What is Launch configuration in Auto scaling
- How to Create Launch Configuration
- What is Target Group
- How to Create Target Group
- How to Use Custom Ami with Auto Scaling
- How to Use Load Balancer with Auto S caling
- How to use VPV with Auto Scaling
- What is Route 53
- What is Hosted Zone in Route 53
- How to Create Route 53 Hosted Zone
- What is Route 53 Records
- How to Create Route53 Records
- What is SNS

- How to Create SNS
- Project 5

INTRODUCTION STORAGE & DATABASE

- What is Cloud Storage
- Type of Cloud Storage
- What is S3 Storage
- How to Create S3 Storage
- What is versioning
- How to Enable versioning
- What is Replication
- How to enable replication
- How to deploy static Website
- How to connect s3 storage with on-premise
- What is EFS
- How to Create EFS
- How to attach Efs with Linux Instance
- What is RDS
- How to Create RDS
- How to Attach RDS with Linux Instance
- How to Attach RDS with Windows Instance
- How to Create Table in RDS
- How to Create Database in RDS
- What is DynamoDB
- How to Create DynamoDb
- How to Create Table In DynamoDb
- How to Add Item in Dynamo DB
- Project 6

INTRODUCTION OF CLOUD SECURITY

- AWS Security - IAM: An Introduction
- AWS Security - IAM Users
- How to Create IAM User
- AWS Security - IAM Groups
- How to Create Group
- How to Add User in Group

- **How to Login IAM User**
- **AWS Security - IAM Policy**
- **How to Create IAM Policy**
- **How to Attach IAM Policy with User**
- **How to Attach IAM Policy with Group**
- **AWS Security - IAM Roles**
- **How to Create IAM Role**
- **How to Attach IAM Role**
- **AWS Security – MFA**
- **How to Attach MFA with User**
- **What IS Cloud Watch**
- **What is Cloud Formation**
- **What is Cloud Trail**
- **Project 7**