



amazon
web services

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LINUX BASICS

- Linux file system structure
- Basic commands
- Users & groups
- Permissions & ownership
- Start & stop of services

CLOUD COMPUTING

- What is Cloud Computing
- Advantages of Cloud Computing
- Deployment models
- Service models

AMAZON WEB SERVICES

- Introduction to Amazon Web Services
- Advantages of AWS
- Account creation
- Free tier overview

EC2- ELASTIC COMPUTE CLOUD

- Launch of instances
- Access of instances through
 - putty
 - remote desktop
- Instance types
- Security groups
- Ebs volumes

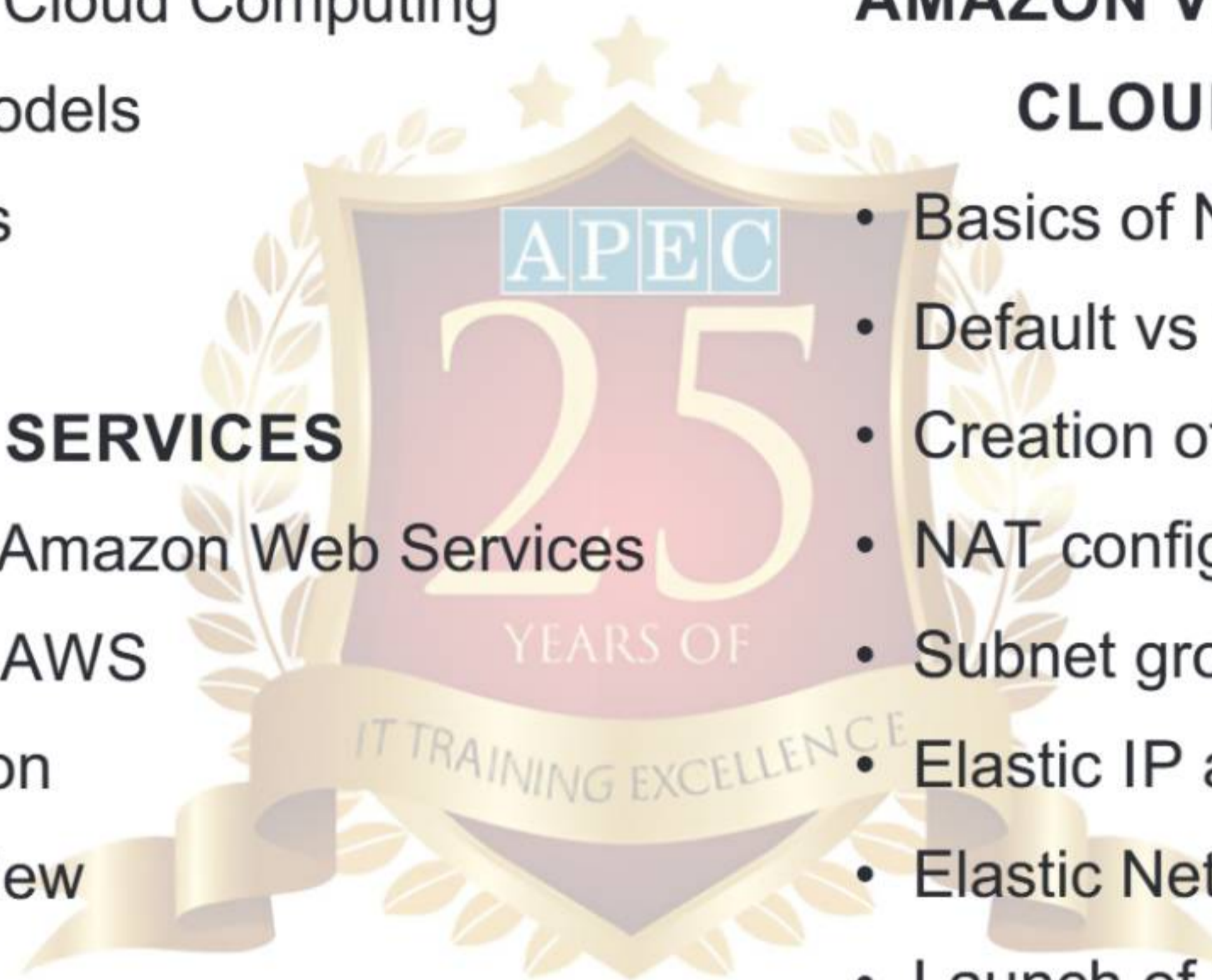
- Snapshots
- Creation of Amazon machine image(AMI)
- Elastic Loadbalancers
- Health checks
- Autoscaling groups
- Ec2 with Amazon comm
- Line interface

AMAZON VIRTUAL PRIVATE CLOUD (VPC)

- Basics of Networking
- Default vs Custom VPC
- Creation of non default VPC
- NAT configuration
- Subnet groups
- Elastic IP address
- Elastic Networking
- Launch of instances in non default VPC

RELATIONAL DATABASE SERVICE (RDS)

- RDS Essentials
- Launch of RDS instances in default VPC



- Connecting RDS instance with EC2 instance
- Backups
- Multi AZ
- Read Replicas
- RDS security groups

IDENTITY ACCESS MANAGEMENT (IAM)

- Getting started with IAM
- Root vs User accounts
- IAM Roles & policies

AMAZON S3

- Simple Storage Service introduction
- Creation of buckets
- S3 bucket versioning
- Life cycle policies
- Static webhosting with S3 bucket
- Using AWS comm & line interface with S3
- S3 pricing

ROUTE 53

- Domain registration
- Domain Name System (DNS) service
 - A Format
 - AAAA Format
 - CNAME Format
 - MX Format & more

CLOUD WATCH

- Monitoring of Instances
- Health checks in cloud watch
- Creation of alarms
- Configure the notifications

MESSAGING

- Simple Queue Service
- Simple Notification Service
- Simple Email Service

AMAZON ELASTIC BEANSTALK

- Elastic beanstalk control panel
- Deploying application with elastic beanstalk

CONCEPT TO PRODUCTION

- LAMP installation
- LEMP Installations
- Securing applications with SSL
- High availability Wordpress Application
- Installation of Nagios Server





JAVA / PYTHON / .NET
FULL STACK



DATA SCIENCE



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