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AWS Syllabus

Duration: 40 - 50 Hours

Amazon certified Solution Architect Associate

Introduction to cloud computing
Introduction to Virtualization
Private, Public and Hybrid cloud
Iaas,Paas,Saas
Why Cloud Computing?
Benefits of Cloud Computing

Introduction to AWS
Introduction to the AWS Product
Regions and Availability Zones
Navigate the AWS Management Console
Recognize AWS Global Infrastructure
Describe the security measures AWS provides

AWS Syllabus

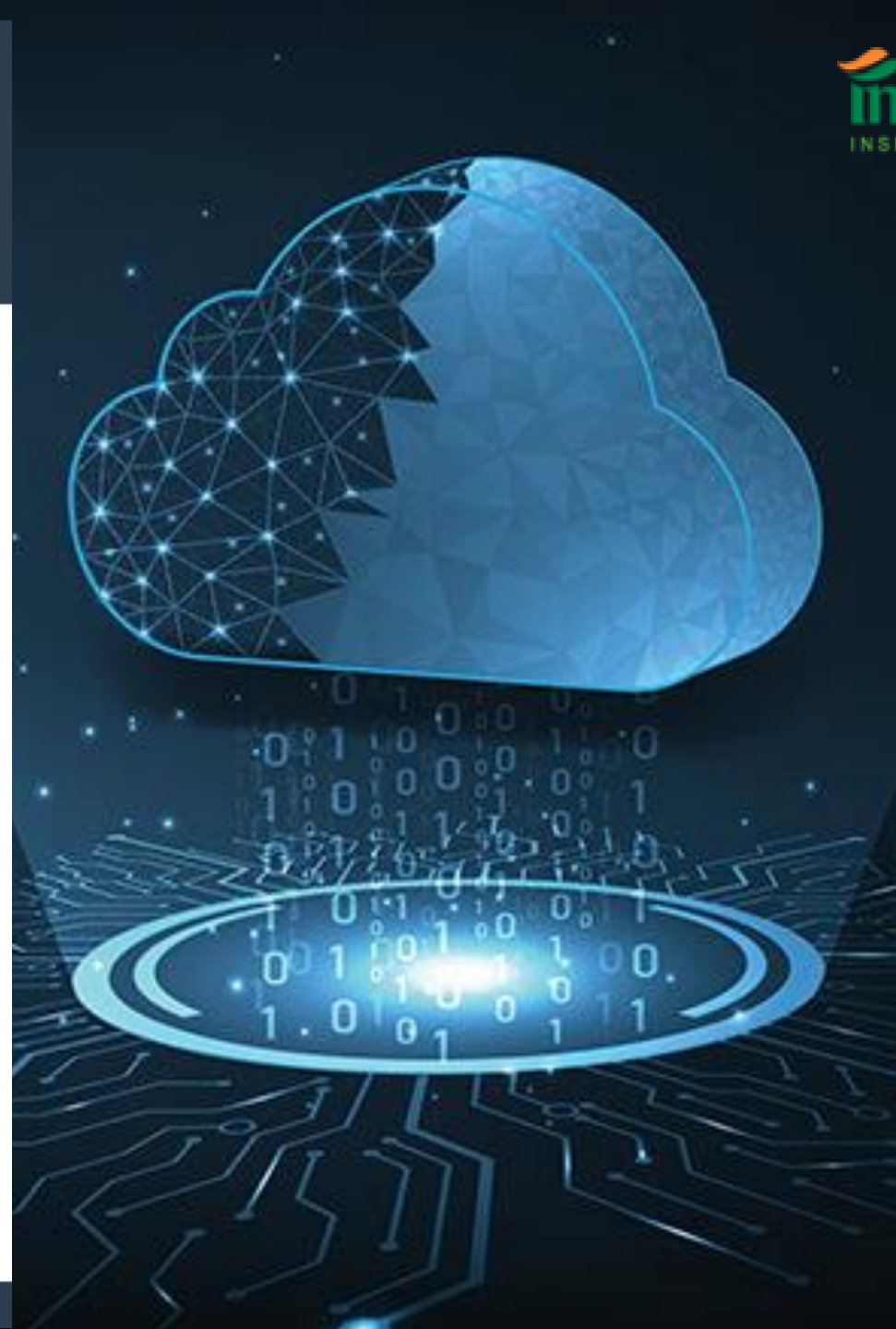
Compute Services & Networking
Identify the different AWS compute and networking options
Describe an Amazon Virtual Private Cloud (VPC)
Subnet, Nat Servers and Jump Servers
On-demand, Spot, Reserved instances
5 | PageCreate an Amazon EC2 instance
Connect to the Amazon EC2 instance using key pairs

AWS Storage & Content Delivery
Identify key AWS storage options
Describe Amazon EBS
Creating an Elastic Block Store Volume
Adding an EBS Volume to an Instance
Snapshotting an EBS Volume and Increasing Performance
Create an Amazon S3 bucket and manage associated objects

AWS Syllabus

Database Solutions on AWS
Describe Amazon DynamoDB
Verify key aspects of Amazon RDS
Execute an Amazon RDS drive application

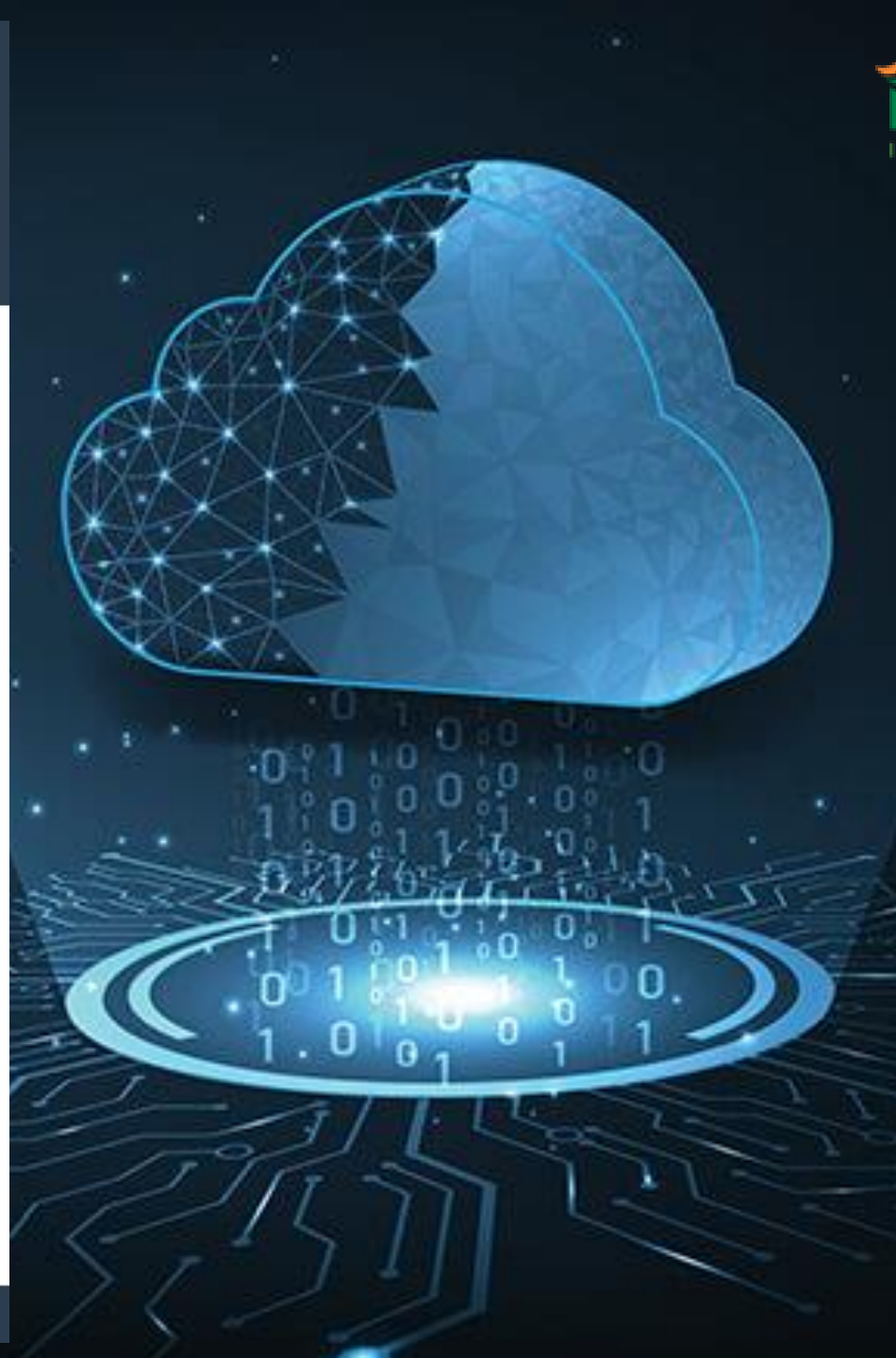
Deployment and Management
Identify AWS CloudFormation
Describe Amazon CloudWatch metrics and alarms
Describe Amazon Identity and Access Management (IAM)



AWS Syllabus

AWS DNS service
Introduction to Route53
Route53 Configuration and Troubleshooting
Amazon Route 53 Health Check
Amazon Route 53 Failover
Configure a DNS Failover to an Amazon S3 static website

AWS Load Balancing Service
Introduction Elastic Load Balancer
Creating and Verifying Elastic Load Balancer



AWS Syllabus

AWS LAMDA
Introduction to AWS Lambda
Distributed Environments
Handling S3 Events using the AWS Lambda Console
Monitor Lambda S3 functions through Amazon CloudWatch
Infrastructure as Code
Assignments

Content Delivery Web Service
Introduction to Amazon CloudFront
Creating an Amazon CloudFront Web Distribution

AWS Syllabus

AWS Simple Monthly Calculator
Introduction to Amazon Simple Montly Calculator
Spot,Reserved,Utilization Based Estimate
Reviewing Large Scale Design Patterns
Designing for Cost
Assignments

Cloud Formation

Elastic Bean Stack

Live project