

AWS Certified Solution Architect

Course Title:	AWS Certified Solution Architect	
Duration:	5 Days	
Timings:	9:00 am to 5:00 pm (UTC +5 / Pakistan Standard Time)	
No. of Students:	25 students per batch	
Pre-requisites:	Fundamentals of Information Technology and Computer Sciences	
Mode of Training:	<ol style="list-style-type: none"> 1 CORVIT Campuses in Lahore, Karachi & Islamabad 2 Online (if required) 	
Language:	<ol style="list-style-type: none"> 1 Training will be delivered in Urdu & English (optional) language 2 Training material will be provided in English language 	
Training Basic Methodology:	<ol style="list-style-type: none"> 1. Theoretical knowledge 2. Lab work 3. Individual Assignments 4. Group Assignments 5. Assessments 6. Certification Preparation (where applicable) 	
Training Material:	Soft copy (pdf format) of training material will provide to all students.	
Training Content:	Day 1:	<ol style="list-style-type: none"> 1. Design Resilient Architectures 2. Define Per Formant Architectures 3. Specify Secure Applications and Architectures 4. Design Cost-Optimized Architectures 5. Define Operationally Excellent Architectures
	Day 2:	<ol style="list-style-type: none"> 1. Amazon Virtual Private Cloud (VPC) <ol style="list-style-type: none"> 1.1 - Amazon VPC Overview 1.2 - Amazon VPC 1.3 - IP Addresses 1.4 - Subnets 1.5 - Internet Gateway

		<ul style="list-style-type: none"> 1.6 - Route Tables 1.7 - NAT Devices 1.8 - Security Groups 1.9 - Network ACL's 1.10 VNET Peering 2. Practice Lab <ul style="list-style-type: none"> 2.1 Creating a custom VPC 2.2 Creating an Elastic IP Address 2.3 Creating Subnets 2.4 Creating Internet Gateways 2.5 Creating Route Tables 2.6 Creating a NAT Gateway 2.7 Creating a Security Group 2.8 Network ACL Overview
	Day 3:	<ul style="list-style-type: none"> 1. Amazon Simple Storage Service (S3) <ul style="list-style-type: none"> 1.1 Amazon S3 Overview 1.2 S3 Buckets 1.3 Version Control 1.4 Amazon S3 Lifecycle Management 1.5 CloudFront and CDNs 1.6 Security and Encryption 1.7 Import/Export & Snowball 1.8 Amazon S3 Best Practices 1.9 Amazon S3 Costs &Practice Assignment 2. Identity and Access Management <ul style="list-style-type: none"> 2.1 IAM Overview 2.2 IAM Policies 2.3 IAM Users 2.4 IAM Groups 2.5 IAM Roles
	Day 4:	<ul style="list-style-type: none"> 1. Route53 <ul style="list-style-type: none"> 1.1 Amazon Route 53 Overview 1.2 Amazon Route 53 and DNS 1.3 Route 53 Routing Policies 1.4 Route 53 best practices 1.5 Route 53 costs and prices 1.6 Practice Assignment: Route 53 Hosted Zones Demo 2. Databases <ul style="list-style-type: none"> 2.1 Databases Overview

		<ul style="list-style-type: none"> 2.2 Amazon Relational Database Service (RDS) 2.3 Amazon DynamoDB 2.4 Amazon Redshift 2.5 Amazon ElastiCache 2.6 Amazon Aurora 2.7 AWS Database Migration Services (DMS) 2.8 Practice Assignment: Amazon RDS
	Day 5:	<ul style="list-style-type: none"> 1. Application Services <ul style="list-style-type: none"> 1.1 Simple Queue Service-SQS 1.2 - Simple Workflow Service-SWF 1.3 - Simple Notification Service-SNS 1.4 - Elastic Transcoder 1.5 - Application Services best practices 1.6 - Application Services costs 1.7 - Practice Assignment: Amazon SNS 1.8 - Amazon Workspaces 1.9 - Practice Lab: Amazon SNS 2. Security Practices for Optimum Cloud Development <ul style="list-style-type: none"> 2.1 AWS shared responsibility model 2.2 AWS platform compliance 2.3 AWS security attributes 2.4 AWS CloudTrail 2.5 AWS CloudWatch 2.6 Trusted Advisor 2.7 Incorporating common conventional security products 2.8 AWS CloudFormation and Design patterns 2.9 Practice Assignment: AWS CloudWatch 3. Disaster Recovery <ul style="list-style-type: none"> 3.1 Overview of Disaster Recovery 3.2 Using AWS products for Disaster Recovery 4. Troubleshooting 5. AWS Solutions Architect Exam