



ExecuTrain

performance is the bottom line

Impulsamos tu talento tecnológico

- > Seguridad
- > Sistemas Operativos
- > Bases de Datos
- > Virtualización
- > Cloud Computing
- > Desarrollo
- > Mejores Prácticas
- > Aplicaciones Móviles
- > Colaboración
- > Office

www.executrain.com.mx

Av. López Mateos Sur 1480-501 · Cond. Campo de Polo
Colonia Chapalita · Jalisco · C.P.45040
Tel. (33) 36.47.66.22



¿Por qué ExecuTrain?

ExecuTrain es un proveedor de entrenamiento corporativo a nivel internacional y líder mundial en la capacitación empresarial. Contamos con más de 25 años y más de 70 mil personas capacitadas en zona occidente.

¿Por qué ExecuTrain?

Te guiamos en la definición de tus requerimientos de capacitación, en las diferentes etapas:

- Detección de necesidades, evaluación de conocimientos, plan de capacitación y seguimiento posterior para elegir el plan de capacitación como tú lo necesitas.
- El más amplio catálogo de cursos, desde un nivel básico hasta los niveles de conocimientos más especializados.
- En ExecuTrain el material y la metodología están diseñados por expertos en aprendizaje humano. Lo que te garantiza un mejor conocimiento en menor tiempo.
- Tú puedes confiar y estar seguro del aprendizaje porque nuestro staff de instructores es de primer nivel, algunos de los cuales son consultores en reconocidas empresas.
- No pierdas tu tiempo, los cursos están diseñados para un aprendizaje práctico.
- Nuestra garantía: Nuestro compromiso es que tú aprendas, si no quedas satisfecho con los resultados del programa, podrás volver a tomar los cursos hasta tu entera satisfacción o la devolución de tu dinero.

Modalidad de servicio

- Cursos de Calendario
- Cursos Privados: On site y en nuestras instalaciones.
- Cursos Personalizados: Adaptamos el contenido del curso y su duración dependiendo de la necesidad del cliente.
- E-Training: cursos a distancia de forma interactiva, mejorando la capacidad de aprendizaje de nuestros participantes guiados por un instructor en vivo.

CT001AC / AWS Solutions Architect Certification (Associate Level)

- AWS Certification will help you achieve
 - The Ability to demonstrate skills, knowledge and expertise in designing and deploying projects on the AWS platform.
 - Recognition and Visibility for your skills
 - Credibility with employers and peers.
- You will receive a certification credential which is a logo badge and title that may be used in business cards and other collateral to show that you are AWS Certified.
- AWS provides cloud computing services that enable a business to build sophisticated and scalable applications. Therefore, knowledge about these services and learning how to work with them on the Cloud is crucial for businesses and Professionals who are or will be working on the cloud.

> Audience Profile

- IT Professionals who want to learn to develop highly scalable, available, cost-efficient and failure tolerant system on AWS.
- IT Professionals who want to clear the AWS Certification exam.

> Objectives

- To attain a deep knowledge of AWS infrastructure and design patterns on developing applications on AWS.
- To attain skills to clear the AWS Certification Exam

> Prerequisites

- Some IT industry work experience or a degree in the IT field.
- Some experience with Linux system administration advisable but not required.
- Basic understanding of databases.

> Modules

- Chapter One: Fundamentals of Amazon Web services
 - Amazon Web services
 - AWS Regions and Availability Zones
 - Understanding AWS Console
 - AWS Security Credentials
 - AWS Services
 - Storage
 - Compute
 - Networking and Content Delivery
 - Developer Tools
 - Database
 - Management Tools
 - Security, Identity, and Compliance
 - Analytics
 - Messaging
 - Application Services
 - Desktop & App Streaming
 - Internet of Things (IoT)
 - Mobile Services
 - Migration
 - Payments & Billing
 - Business and Productivity
 - Artificial Intelligence
 - Contact Centre
 - Game Development
- Chapter Two: Amazon Simple Storage Service
 - Introduction
 - S3 Basic Operations
 - S3 Namespace
 - Consistency Model
 - Amazon S3 Availability and Durability
 - Amazon S3 Rest API
 - Authorization and Access Control
 - Amazon S3 Pricing
- Chapter Three: Amazon Elastic Compute
 - Introduction
 - Basic Architecture of EC2
 - Virtualization
 - Differences between EC2 Server and Traditional Server
 - EC2 Instance Types
 - EC2 Pricing
 - Instance Purchasing Options
 - Amazon Machine Image (AMI)
 - AMI Types
 - EC2 Security Groups
 - Elastic IP Address – Pricing
 - AWS Console for EC2
 - Amazon CloudWatch
 - CloudWatch Pricing
 - Auto Scaling for EC2 Instances
- Chapter Four: CloudWatch
 - CloudWatch
 - CloudWatch Architecture
 - APIs and Use Cases
 - Available Metrics
 - Custom Metrics
- Chapter Five: Amazon Relational Database Service (RDS)
 - Introduction
 - Core Advantages of Amazon RDS
 - Read Replicas
 - Event Notifications
 - Starting an RDS Database Instance
 - Database Instance Types
 - RDS Pricing
- Chapter Six: Elastic Load Balancing (ELB)
 - Introduction
 - Classic Load Balancer
 - Application Load Balancer
 - Network Load Balancer
 - AWS Certificate Manager (ACM)
 - Sticky Sessions
 - ELB Cost
- Chapter Seven: Auto Scaling
 - Introduction
 - Auto Scaling Components
 - Using CloudWatch with Auto Scaling
 - Scaling Policy Types
 - Pricing
- Chapter Eight: Virtual Private Cloud
 - VPC Networking Fundamentals
 - Private and Public Subnets
 - Elastic Network Interface



- Routing Inside VPC
- VPN Tunnels to VPC
- Why uses VPN
- Types of VPN
- Routing Concepts
- VPC Peering
- Chapter Nine: Identity and Access Management
 - What is IAM
 - STS Use Case
- Chapter Ten: Route 53
 - Domain Name System
 - Route 53
 - Benefits of Using Route 53
 - Getting Started with Route 53
 - Latency Based Routing
 - Geographic Routing with GEO DNS
 - Weighted Resource Record Sets
 - Health Check
 - DNS Failover
 - Multivalue Answer Routing
 - Failover Routing
 - Domain Purchase
 - Route 53 Pricing
- Chapter Eleven: AWS CloudFormation and Tools
 - AWS CloudFormation
 - Stack Update
 - CloudFormation Templates
- Chapter Twelve: Amazon CloudFront
 - Content Delivery Network
 - Amazon CloudFront Concepts
 - Serving Public Content Using CloudFront
 - Serving Private Content Using CloudFront
 - Access Logs
 - Invalidation
 - Pricing for CloudFront
 - Price Classes
- Chapter Thirteen: Amazon DynamoDB
 - Introduction
 - DynamoDB Supported Platforms
 - Read Capacity
 - Data Types
 - Types of Indexing

