

ARCHITECTING ON AWS



Kategoria	Czas trwania	Termin	Cena
Cloud	24h / 3 dni	ustalamy indywidualnie	ustalamy indywidualnie

Program szkolenia:

Poniżej przedstawiamy przykładowy program szkolenia, który może zostać zmodyfikowany zgodnie z oczekiwaniami oraz poziomem grupy szkoleniowej. Przed przygotowaniem docelowego programu szkolenia, przeprowadzamy rozmowę techniczną, w której bierze udział trener oraz osoba techniczna lub cały zespół developerów reprezentujący klienta, w celu ustalenia szczegółów szkolenia.

Dzień 1 [8h]

Module 0: Introductions & Course Map review

- Welcome and course outcomes

Module 1: Architecting Fundamentals Review

- AWS Services and Infrastructure
- Infrastructure Models
- AWS API Tools
- Securing your infrastructure
- The Well-Architected Framework
- Hands-on lab: Explore Using the AWS API Tools to Deploy an EC2 Instance

Module 2: Account Security

- Security Principals
- Identity and Resource-Based Policies
- Account Federation
- Introduction to Managing Multiple Accounts

Dzień 1 [8h] c.d.

Module 3: Networking, Part 1

- IP Addressing
- Amazon Virtual Private Cloud (VPC), Patterns and Quotas
- Routing
- Internet Access
- Network Access Control Lists (NACLs)
- Security Groups

Module 4: Compute

- Amazon Elastic Cloud Compute (EC2)
- EC2 Instances and Instance Selection
- High Performance Computing on AWS
- Lambda and EC2, When to Use Which
- Hands-On Lab: Build Your Amazon VPC Infrastructure

Dzień 2 [8h]

Module 5: Storage

- Shared File Systems
- Shared EBS Volumes
- Amazon S3, Security, Versioning and Storage Classes
- Data Migration Tools

Module 6: Database Services

- AWS Database Solutions
- Amazon Relational Database Services (RDS)
- DynamoDB, Features and Use Cases
- Redshift, Features, Use Cases and Comparison with RDS
- Scaling
- Caching and Migrating Data
- Hands-on Lab: Create a Database Layer in Your Amazon VPC Infrastructure

Module 7: Monitoring and Scaling

- Monitoring: CloudWatch, CloudTrail, and VPC Flow Logs
- Invoking Events
- Elastic Load Balancing
- Auto Scaling Options and Monitoring Cost
- Hands-on Lab: Configure High Availability in Your Amazon VPC

Dzień 2 [8h] c.d.

Module 8: Automation

- CloudFormation
- AWS Systems Manager

Module 9: Containers

- Microservices
- Monitoring Microservices with X-Ray
- Containers

Dzień 3 [8h]

Module 10: Networking Part 2

- VPC Peering & Endpoints
- Transit Gateway
- Hybrid Networking
- Route 53

Module 11: Serverless Architecture

- Amazon API Gateway
- Amazon SQS, Amazon SNS
- Amazon Kinesis Data Streams & Kinesis Firehose
- Step Functions
- Compare Amazon SQS to Amazon MQ
- Hands-on Lab: Build a Serverless Architecture

Module 12: Edge Services

- Amazon CloudFront
- AWS Web Application Firewall (WAF), DDoS and Firewall Manager
- Compare AWS Global Accelerator and Amazon CloudFront
- AWS Outposts
- Hands-On Lab: Configure an Amazon CloudFront Distribution with an Amazon S3 Origin

Module 13: Backup and Recovery

- Planning for Disaster Recovery
- AWS Backup
- Recovery Strategies

Dzień 3 [8h] c.d.

Capstone Lab: Build an AWS Multi-Tier Architecture

Participants review the concepts and services learned in class and build a solution based on a scenario. The lab environment provides partial solutions to promote analysis and reflection. Participants deploy a highly available architecture. The instructor is available for consultation.

infoShareAcademy.com/szkolenia-it-dla-firm

KONTAKT

Jesteś zainteresowany kursem wieczorowym
lub dedykowanym szkoleniem dla Twojej firmy?

Skontaktuj się z Przemkiem!



PRZEMYSŁAW WOŁOSZ

Key Account Manager



przemyslaw.wolosz@infoShareAcademy.com



(+48) 730 830 801