Szkolenie: AWS
Security Engineering on AWS

DOSTĘPNE TERMINY

2026-11-30 | 3 dni | Kraków / Wirtualna sala *(Promocja)*
2026-12-15 | 3 dni | Kraków / Wirtualna sala *(Promocja)*
2026-12-28 | 3 dni | Warszawa / Wirtualna sala *(Promocja)*

Cel szkolenia:

This course demonstrates how to efficiently use AWS security services to stay secure in the AWS Cloud. The course focuses on the security practices that AWS recommends for enhancing the security of your data and systems in the cloud. It highlights the security features of AWS key services including compute, storage, networking, and database services. You will also learn how to leverage AWS services and tools for automation, continuous monitoring and logging, and responding to security incidents.

Course objectives

In this course, you will:

- Identify security benefits and responsibilities of using the AWS Cloud
- Build secure application infrastructures
- Protect applications and data from common security threats
- Perform and automate security checks
- Configure authentication and permissions for applications and resources
- Monitor AWS resources and respond to incidents
- Capture and process logs
- Create and configure automated and repeatable deployments with tools such as AMIs and AWS CloudFormation

Intended audience

This course is intended for security engineers, security architects, and information security professionals.

Plan szkolenia:

- Module 1: Security on AWS

Compendium Centrum Edukacyjne Spółka z o.o.
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- Security in the AWS cloud
- AWS Shared Responsibility Model
- Incident response overview
- DevOps with Security Engineering

- Module 2: Identifying Entry Points on AWS
  - Identify the different ways to access the AWS platform
  - Understanding IAM policies
  - IAM Permissions Boundary
  - IAM Access Analyzer
  - Multi-factor authentication
  - AWS CloudTrail
  - Lab 01: Cross-account access
- Module 3: Security Considerations: Web Application Environments
  - Threats in a three-tier architecture
  - Common threats: user access
  - Common threats: data access
  - AWS Trusted Advisor
- Module 4: Application Security
  - Amazon Machine Images
  - Amazon Inspector
  - AWS Systems Manager
  - Lab 02: Using AWS Systems Manager and Amazon Inspector
- Module 5: Data Security
  - Data protection strategies
  - Encryption on AWS
  - Protecting data at rest with Amazon S3, Amazon RDS, Amazon DynamoDB
  - Protecting archived data with Amazon S3 Glacier
  - Amazon S3 Access Analyzer
  - Amazon S3 Access Points
- Module 6: Securing Network Communications
  - Amazon VPC security considerations
  - Amazon VPC Traffic Mirroring
  - Responding to compromised instances
  - Elastic Load Balancing
  - AWS Certificate Manager
- Module 7: Monitoring and Collecting Logs on AWS

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- Amazon CloudWatch and CloudWatch Logs
- AWS Config
- Amazon Macie
- Amazon VPC Flow Logs
- Amazon S3 Server Access Logs
- ELB Access Logs
- Lab 03: Monitor and Respond with AWS Config

- Module 8: Processing Logs on AWS
  - Amazon Kinesis
  - Amazon Athena
  - Lab 04: Web Server Log Analysis
- Module 9: Security Considerations: Hybrid Environments
  - AWS Site-to-Site and Client VPN connections
  - AWS Direct Connect
  - AWS Transit Gateway
- Module 10: Out-Of-Region Protection
  - Amazon Route 53
  - AWS WAF
  - Amazon CloudFront
  - AWS Shield
  - AWS Firewall Manager
  - DDoS mitigation on AWS
- Module 11: Security Considerations: Serverless Environments
  - Amazon Cognito
  - Amazon API Gateway
  - AWS Lambda
- Module 12: Threat Detection and Investigation
  - Amazon GuardDuty
  - AWS Security Hub
  - Amazon Detective
- Module 13: Secrets Management on AWS
  - AWS KMS
  - AWS CloudHSM
  - AWS Secrets Manager
  - Lab 05: Using AWS KMS
- Module 14: Automation and Security by Design

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- AWS CloudFormation
- AWS Service Catalog
- Lab 06: Security automation on AWS with AWS Service Catalog

- Module 15: Account Management and Provisioning on AWS
  - AWS Organizations
  - AWS Control Tower
  - AWS SSO
  - AWS Directory Service
  - Lab 07: Federated Access with ADFS

Wymagania:

We recommend that attendees of this course have:

- Working knowledge of IT security practices and infrastructure concepts
- Familiarity with cloud computing concepts
- Completed AWS Security Essentials and Architecting on AWS instructor-led courses

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by AWS (course completion).

This course also helps you prepare for the AWS Certified Security - Specialty SCS-C03 exam and this way gain the AWS Certified Security - Specialty title – specialty level. AWS certification exams are offered at Pearson Vue test centers worldwide https://home.pearsonvue.com/Clients/AWS.aspx

Prowadzący:

AWS Authorized Instructor (AAI)

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