Szkolenie: AWS
Cloud Operations on AWS

DOSTĘPNE TERMINY

2026-12-07 | 3 dni | Kraków / Wirtualna sala *(Promocja)*

Cel szkolenia:

This course teaches systems operators and anyone performing systems operations functions how to manage and operate automatable and repeatable deployments of networks and systems on AWS. You will learn about systems operations functions, such as installing, configuring, automating, monitoring, securing, maintaining, and troubleshooting these services, networks, and systems. The course also covers specific AWS features, tools, and best practices related to these functions.

Course objectives

In this course, you will learn to:

- Identify the AWS services that support the different phases of Operational Excellence, an AWS Well-Architected Framework pillar
- Manage access to AWS resources using AWS accounts and organizations and AWS Identity and Access Management (IAM)
- Maintain an inventory of in-use AWS resources by using AWS services, such as AWS Systems Manager, AWS CloudTrail, and AWS Config
- Develop a resource deployment strategy using metadata tags, Amazon Machine Images (AMIs), and AWS Control Tower to deploy and maintain an AWS Cloud environment
- Automate resource deployment by using AWS services, such as AWS CloudFormation and AWS Service Catalog
- Use AWS services to manage AWS resources through SysOps lifecycle processes, such as deployments and patches
- Configure a highly available cloud environment that uses AWS services, such as Amazon Route 53 and Elastic Load Balancing, to route traffic for optimal latency and performance
- Configure AWS Auto Scaling and Amazon EC2 Auto Scaling to scale out your cloud environment based on demand
- Use Amazon CloudWatch and associated features, such as alarms, dashboards, and widgets, to monitor your cloud environment
- Manage permissions and track activity in your cloud environment by using AWS services, such as AWS CloudTrail and AWS Config
- Deploy your resources to an Amazon Virtual Private Cloud (Amazon VPC), establish necessary

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70

BNP Paribas Bank Polska S.A.
Oddział w Warszawie
Nr konta: PL 20 1600 1462 1853 6451 3000 0001

connectivity to your Amazon VPC, and protect your resources from disruptions of service
- State the purpose, benefits, and appropriate use cases for mountable storage in your AWS cloud Environment
- Explain the operational characteristics of object storage in the AWS Cloud, including Amazon Simple Storage Service (Amazon S3) and Amazon S3 Glacier
- Build a comprehensive cost model to help gather, optimize, and predict your cloud costs by using services such as AWS Cost Explorer and the AWS Cost & Usage Report

Intended audience

This course is intended for:

- System administrators and operators who are operating in the AWS Cloud
- Informational technology workers who want to increase their systems operations knowledge

Plan szkolenia:

- Module 1: Introduction to Systems Operations on AWS
  - Systems operations
  - AWS Well-Architected Framework
  - AWS Well-Architected Tool
- Module 2: Access Management
  - AWS Identity and Access Management (IAM)
  - Resources, accounts, and AWS Organizations
- Module 3: System Discovery
  - Methods to interact with AWS services
  - Tools for automating resource discovery
  - Inventory with AWS Systems Manager and AWS Config
  - Hands-On Lab: Auditing AWS Resources with AWS Systems Manager and AWS Config
- Module 4: Deploy and Update Resources
  - Systems operations in deployments
  - Tagging strategies
  - Deployment using Amazon Machine Images (AMIs)
  - Deployment using AWS Control Tower
- Module 5: Automate Resource Deployment
  - Deployment using AWS CloudFormation
  - Deployment using AWS Service Catalog
  - Hands-On Lab: Infrastructure as Code
- Module 6: Manage Resources

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
Oddział w Warszawie
Nr konta: PL 20 1600 1462 1853 6451 3000 0001

- AWS Systems Manager
- Hands-On Lab: Operations as Code

- Module 7: Configure Highly Available Systems
  - Distributing traffic with Elastic Load Balancing
  - Amazon Route 53
- Module 8: Automate Scaling
  - Scaling with AWS Auto Scaling
  - Scaling with Spot Instances
  - Managing licenses with AWS License Manager
- Module 9: Monitor and Maintain System Health
  - Monitoring and maintaining healthy workloads
  - Monitoring AWS infrastructure
  - Monitoring applications
  - Hands-On Lab: Monitor Applications and Infrastructure
- Module 10: Data Security and System Auditing
  - Maintaining a strong identity and access foundation
  - Implementing detection mechanisms
  - Automating incident remediation
- Module 11: Operate Secure and Resilient Networks
  - Building a secure Amazon Virtual Private Cloud (Amazon VPC)
  - Networking beyond the VPC
- Module 12: Mountable Storage
  - Configuring Amazon Elastic Block Store (Amazon EBS)
  - Sizing Amazon EBS volumes for performance
  - Using Amazon EBS snapshots
  - Using Amazon Data Lifecycle Manager to manage your AWS resources
  - Creating backup and data recovery plans
  - Configuring shared file system storage
  - Hands-On Lab: Automating with AWS Backup for Archiving and Recovery
- Module 13: Object Storage
  - Deploying Amazon Simple Storage Service (Amazon S3)
  - Managing storage lifecycles on Amazon S3
- Module 14: Cost Reporting, Alerts, and Optimization
  - Gaining AWS cost awareness
  - Using control mechanisms for cost management
  - Optimizing your AWS spend and usage

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70

BNP Paribas Bank Polska S.A.
Oddział w Warszawie
Nr konta: PL 20 1600 1462 1853 6451 3000 0001

- Hands-On Lab: Capstone lab for SysOps

Wymagania:

We recommend that attendees of this course have:

- Successfully completed the AWS Technical Essentials course
- A background in software development or systems administration
- Proficiency in maintaining operating systems at the command line, such as shell scripting in Linux environments or cmd/PowerShell in Windows
- Basic knowledge of networking protocols (TCP/IP, HTTP)

Poziom trudności



Certyfikaty:

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

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

Prowadzący:

AWS Authorized Instructor (AAI)

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70

BNP Paribas Bank Polska S.A.
Oddział w Warszawie
Nr konta: PL 20 1600 1462 1853 6451 3000 0001