AWS Solution Architect Associate Journey

Kód kurzu: AWSARCHIT

This intensive training program combines the essential elements of AWS Technical Essentials, Architecting on AWS, and Advanced Cloud Solutions. Designed for IT professionals and cloud architects, this course provides a thorough understanding of AWS products, services, and best practices for designing and implementing robust cloud solutions.

Pro koho je kurz určen

- IT professionals looking to enhance their AWS knowledge
- Cloud architects and engineers seeking to design and implement AWS solutions
- Developers interested in leveraging AWS for application development
- Anyone preparing for AWS certification exams

Co Vás naučíme

- AWS Fundamentals: Gain a solid foundation in AWS services, including compute, storage, database, and networking. Understand the core AWS concepts and terminology to make informed decisions about IT solutions.
- Architecting on AWS: Learn to design scalable, secure, and high-performing cloud architectures. Explore AWS design patterns, best practices, and real-world scenarios to build resilient and efficient systems.
- Advanced Cloud Solutions: Dive deeper into advanced AWS services and solutions. Master topics such as serverless computing, containerization, and automation to optimize cloud operations and drive innovation.

Zahrnuté kurzy

- AWS Technical Essentials
- AWS Cloud Practitioner Essentials
- Architecting on AWS
- Exam Voucher Foundational Level
- Exam Voucher Associate Level

The total length of the Journey is 5 day.

Požadované vstupní znalosti

- Basic understanding of cloud computing concepts
- Familiarity with general networking and IT infrastructure

Certifikace

Upon completion of the course, participants will receive a certificate of achievement and be well-prepared to pursue

AWS certification exams. Additionally, participants will receive the following exam vouchers from Pearson VUE:

- Foundational Level: An exam voucher for the AWS Cloud Practitioner certification, available upon completion of the AWS Cloud Practitioner Essentials course.
- Associate Level: An exam voucher for the AWS Solutions Architect – Associate certification, available upon completion of the Architecting on AWS course.

Osnova kurzu

1. Introduction to AWS:

- Overview of AWS services and infrastructure
- Key concepts and terminology
- AWS global infrastructure and security measures

2. AWS Core Services:

- Compute services (EC2, Lambda)
- Storage solutions (S3, EBS, Glacier)
- Database services (RDS, DynamoDB)

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- Networking (VPC, Route 53)

3. Architecting on AWS:
   - Designing for high availability and fault tolerance
   - Implementing scalable and elastic solutions
   - Security best practices and compliance
   - Cost management and optimization

4. Advanced Cloud Solutions:
   - Serverless architectures with AWS Lambda and API Gateway
   - Containerization with Amazon ECS and EKS
   - Infrastructure as Code (IaC) with AWS CloudFormation and Terraform
   - Monitoring and logging with CloudWatch and CloudTrail

5. Hands-On Labs and Real-World Scenarios:
   - Practical exercises to reinforce learning
   - Case studies and real-world examples
   - Interactive labs to apply concepts in a controlled environment

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