



Virtuelt kursus

3 dage

Nr. 87924 P

DKK 24.999

ekskl. moms

Dato

17-06-2024

14-10-2024

Sted

Virtuelt kursus

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DevOps Engineering on AWS

Bliv introduceret til de essentielle principper inden for DevOps på AWS og lær, hvordan du benytter de mest almindelige DevOps patterns til at udvikle, implementere og vedligeholde applikationer på AWS.



Lær i dine egne
omgivelser



Lær med andre
kursister



Spar tid og udgifter
på transport



Adgang til
undervisnings-
materiale

Interact with AWS using code

DevOps Engineering on AWS demonstrates how to use the most common DevOps patterns to develop, deploy and maintain applications on AWS. The course covers the core principles of the DevOps methodology and examines a



number of use cases applicable to startup, small-medium business, and enterprise development scenarios.

Deltagerprofil

This course is intended for System Administrators and Software Developers.

Forudsætninger

We recommend that attendees of this course have attended System Operations on AWS course, attended Developing on AWS course, working knowledge of one or more high-level programming languages (C#, Java, PHP, Ruby, Python, etc.), intermediate knowledge of administering Linux or Windows systems at the command-line level, and working experience with AWS using both the AWS Management Console and the AWS Command Line Interface (AWS CLI).

Det får du på arrangementet

- Erfaren underviser
- Materiale på engelsk
- Undervisning på engelsk

Indhold

This course is designed to teach you how to:

- Use the principal concepts and practices behind the DevOps methodology.
- Design and implement an infrastructure on AWS that supports one or more DevOps development projects.
- Use AWS CloudFormation and AWS OpsWorks to deploy the infrastructure necessary to create development, test, and production environments for a software development project.
- Use AWS CodeCommit and AWS CodeBuild to understand the array of options for enabling a Continuous Integration environment on AWS.
- Use AWS CodePipeline to design and implement a Continuous Integration and Delivery pipeline on AWS.
- Use AWS CodeStar to manage all software development activities in one place.
- Implement several common Continuous Deployment use cases using AWS technologies, including blue/green deployment and A/B testing.
- Distinguish between the array of application deployment technologies available on AWS (including AWS CodeDeploy, AWS OpsWorks, AWS Elastic Beanstalk, Amazon EC2 Container Service, and Amazon EC2 Container Registry), and decide which technology best fits a given scenario.
- Use Amazon EC2 Systems Manager for patch management.
- Leverage Automated Testing in different stages of a CI/CD pipeline.
- Fine-tune the applications you deliver on AWS for high performance, and use AWS tools and technologies to monitor your application and environment for potential issues.

The course content is distributed over 3 days as following:

- Module 1: Introduction to DevOps
- Module 2: Infrastructure Automation
- Module 5: Introduction to Microservices
- Module 6: DevOps and Containers
- Module 7: DevOps and Serverless Computing
- Module 8: Deployment Strategies
- Module 9: Automated Testing
- Module 10: Security Automation
- Module 11: Configuration Management
- Module 12: Observability
- Module 13: Reference Architecture

Form

Dette virtuelle kursus foregår på din egen computer live via GoToMeeting med en engelsktalende underviser. Under kurset har du mulighed for at stille spørgsmål, deltage i diskussioner, se whiteboard på din skærm og lave lab øvelser.

Bemærkning

Please note: Effective 15th August 2022 the labs for all AWS courses will be delivered through AWS Builder labs. In order to access these labs you will need to have an Amazon account (used for Amazon.com/.co.uk retail). You can choose to use your existing Amazon account or you can elect to set up a new account utilising a new email address (such as Hotmail, Gmail, Yahoo etc etc). You can set up your new Amazon account [here](#).

Please ensure that you have set up this Amazon account set up in advance of attending your class. Your Amazon account credentials will be used to access the AWS Builder lab environment that you will utilise during your course. In order to access your digital course materials you are required to set up a Gilmore account in advance of attending your course. To do this please follow this [link](#).

Søgte du et andet virtuelt kursus?

Vi tilbyder virtuelle kurser inden for mange forskellige områder. Kontakt os på tlf. 72203000 eller kurser@teknologisk.dk, så vi kan hjælpe med at imødekomme dit behov.

[Læs mere om vores virtuelle kurser og se svar på dine spørgsmål \(FAQ\).](#)



UNDERVISER

Undervisningen varetages af en erfaren underviser fra Teknologisk Instituts netværk bestående af branchens dygtigste undervisere.

Har du faglige spørgsmål så kontakt



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