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CloudCamp
4SMEs

UpSkill in **Cloud**.

Cloud Training Program 2024

High-skilled SMEs employees
/ Systems Operations

Pathway Syllabus



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Pathway Overview

This learning path will focus on the job-role skills needed to drive digital transformation at a business. It will address both knowledge and implementation, with the final goal being that they will be able to assist the SME to independently migrate to the Cloud.

Learners in this group are skilled workers and experts at SMEs.

They have significant work experience, but may not have completed a professional certification. They are primarily interested in upskilling to meet the current and future needs of their organisation.

00



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Courses Included

-  Pre-test to determine the level of knowledge before training
-  AWS Technical Essentials
-  Cloud Operations on AWS
-  Post-test to evaluate level of learning
-  Exam Readiness Package
-  Certification exam

01





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What will you learn

Upon completing this level, learners should be able to:

- Apply technical skills and knowledge to excel in their technical job roles and drive digital transformation.
- Manage and automate AWS deployments for efficient cloud operations.
- Make informed decisions and build effective cloud solutions

02



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Pathway Courses

1. Pre-test to determine the level of knowledge before training:

- Key to be able to offer the right pathway for the right needs and experience of those interested.

2. AWS Technical Essentials:

- Describe terminology and concepts related to AWS services,
- Navigate the AWS Management Console,
- Articulate key concepts of AWS security measures and AWS Identity and Access Management (IAM),
- Distinguish among several AWS compute services, including Amazon Elastic Compute Cloud (Amazon EC2), AWS Lambda, Amazon Elastic Container Service (Amazon ECS), and Amazon Elastic Kubernetes Service (Amazon EKS),
- Understand AWS database and storage offerings, including Amazon Relational Database Service (Amazon RDS), Amazon DynamoDB, and Amazon Simple Storage Service (Amazon S3),
- Explore AWS networking services, and
- Access and configure Amazon CloudWatch monitoring features.

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Pathway Courses

3. Cloud Operations on AWS

- 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 organisations 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 CloudOps 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 connectivity to your Amazon VPC, and protect your resources from disruptions of service, and
- State the purpose, benefits, and appropriate use cases for mountable storage in your AWS Cloud environment.

04



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Pathway Courses

6. Post-test: Evaluate the level of learning

- The pre-test, jointly with the post-test, is useful to validate the effectiveness of the training from the learner's perspective.

7. Exam Readiness Package

- Test knowledge using the pre-certification exam,
- Review and discuss the results of the pre-certification exam,
- Evaluate your strengths and weaknesses based on exam topic domains,
- Ask questions about the exam,
- Create a study plan to prepare for the exam, and
- Identify effective test-taking strategies that can be used to answer exam questions.

8. Certification Exam

- The Certification Exams will be designed and developed specifically for the EU CloudCamp4SMEs program and will draw on questions that cover from the courses.

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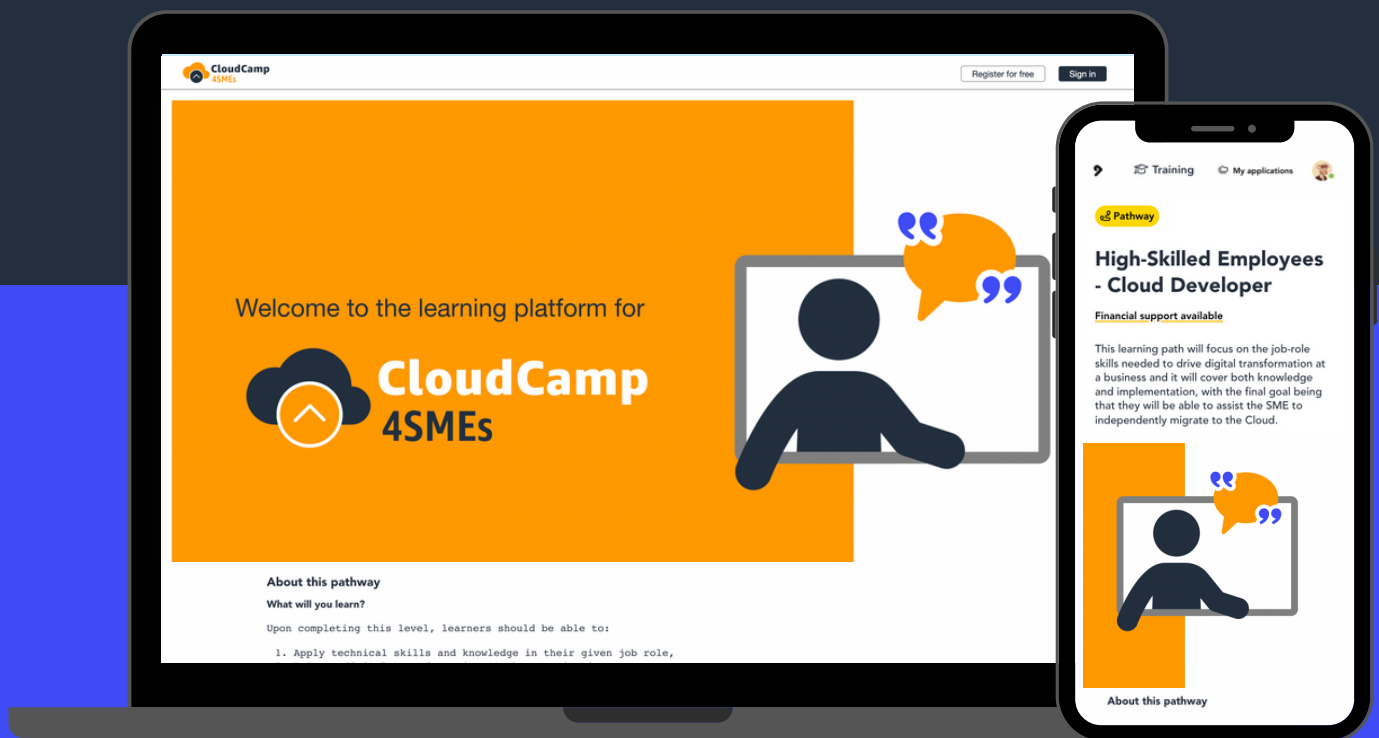
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Learning Platform:
<https://cloudcamp4sme.live>

The courses are done in our digital learning platform provided by CloudCamp4SMEs partners.





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Certifications

Upon successful completion of the pathways and the accompanying Certification Exam, CloudCamp4SMEs will provide alumni with a digital certification to validate their expertise and accomplishments in the realm of cloud technologies and solutions in the courses and pathway completed.



High-skilled SMEs Employees
Cloud Architects Certification



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Testimonials

We've just started and this is our first cohort but our training partners want to share something with you!

**“Cloud, is not a tech option,
it is a business must have!”**

Magnus Histrup
AWS Business Dev Manager Nordics

Launch Event
Sept23 / Copenhagen



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