# CloudCamp
## 4SMEs

# UpSkill in Cloud.

## Cloud Training Program 2024

High-skilled SMEs employees
/ Cloud Security Engineer

**Pathway Syllabus**

**CloudCamp**
**4SMEs**

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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.

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## Courses Included

Pre-test to determine the level of knowledge before training

AWS Technical Essentials

AWS Security Essentials

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 skills and knowledge to excel in their technical job roles and drive digital transformation.

- Identity and access management, account provisioning, and API activity monitoring.

- Discover methods to safeguard data stored on AWS, including log generation and monitoring for security incidents detection and investigation.

- Essential AWS security concepts, including access control, encryption, and network security.

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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 Security Essentials:**

- Identify security benefits and responsibilities of using the AWS Cloud,
- Describe the access control and management features of AWS,
- Explain the available methods for encrypting data at rest and in transit,
- Describe how to secure network access to your AWS resources, and
- Determine which AWS services can be used for monitoring and incident response.

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## Pathway Courses

### 3. Security Engineering on AWS

- State an understanding of AWS cloud security based on the CIA triad.
- Create and analyse authentication and authorizations with IAM.
- Manage and provision accounts on AWS with appropriate AWS services.
- Identify how to manage secrets using AWS services.
- Monitor sensitive information and protect data via encryption and access controls.
- Identify AWS services that address attacks from external sources.
- Monitor, generate, and collect logs.
- Identify indicators of security incidents.
- Identify how to investigate threats and mitigate using AWS services.

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## Pathway Courses

### 4. 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.

### 5. 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.

### 6. 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.
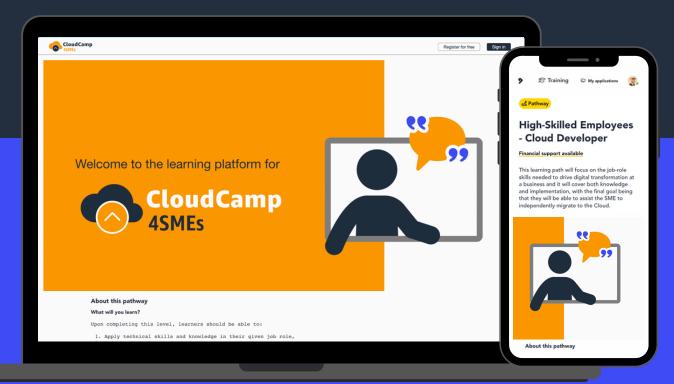
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## Learning Platform:
## https://cloudcamp4sme.live

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

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## Certification

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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