



AWS Cloud Computing Overview

6 months (20–30 hrs / week)

What is AWS Cloud Computing?

AWS Cloud Computing is the delivery of AWS computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet (“the cloud”) to offer faster innovation, flexible resources, and economies of scale.

Why AWS Cloud Computing?

Cloud technologies are enabling organisations to transform rapidly, creating a high demand for cloud-savvy employees. As more and more companies adopt cloud services, there’s an immense drive to hire people with cloud computing skills, which LinkedIn recognised as the most in-demand hard skills in the tech market.

Programme Objectives

- Ensure you're well-prepared with sought-after professional skills for the present-day digital workforce in the prestigious 2-month ALX Foundations course.
- Equip individuals with essential skills and knowledge in AWS cloud computing and technology.
- Prepare learners for diverse and global career opportunities in cloud-related roles.
- Grant access to The ROOM Fellowship, a prestigious talent community with networking opportunities, perks, rewards, and ongoing learning.

What makes this programme unique?

Accessible Entry Point

Learners can begin the programme without requiring prior IT experience. This unique approach empowers individuals to start their cloud careers regardless of their background.

Diverse Career Pathways

The programme caters to a wide range of career aspirations within the cloud computing field.

Industry Relevance

The programme aligns with industry demands, equipping learners with the skills and knowledge sought after by companies worldwide. This relevance enhances their employability and career prospects.

Weekly Foundations Schedule

08 Weeks (20–30hrs / week)

What is ALX Foundations?

- A career-readiness training module to kick-start your ALX learning journey before moving on to your chosen specialisation.
- Learn exceptional communication, teamwork, and leadership skills that make ALX graduates top picks in the job market.
- Be ready for a real-world career with soft skills that keep you ahead in the rapidly changing tech industry.

8 Key Meta Skills

1. **Leading Self**
2. **Leading Others**
3. **Communicating for Impact**
4. **Quantitative Reasoning**
5. **Entrepreneurial Thinking**
6. **Critical Thinking**
7. **Managing Complex Tasks**
8. **Tech Skills**

Weekly Content

Week 01

- Getting Started
- Daily 3
- Onboarding & Programme Overview
- The ROOM Fellowship
- Values & Community
- GCGOs for Africa

Week 02

- Daily 3
- Karibu Lessons
- Values & Empathy
- Exploring African GCGOs
- Self Awareness & Emotional Intelligence
- Growth Mindset & Grit
- Self Regulation & Improvement
- Time Management

Week 03

- Daily 3
- Habit Formation
- Goal Setting
- Defining Problems & User Stories
- Problem Solving
- Asking the Right Questions
- Research Methodology & Ethics

Week 04

- Daily 3
- Goal Setting
- Communication for Impact
- Creating Presentations & Technical Writing
- Communication in Tech Teams
- Design Thinking
- Work Planning

Week 05

- Daily 3
- Problem Definition
- Teamwork Best Practices
- Agile Technology Teams: Roles & Processes
- Research & Data Gathering
- Data Cleaning & Preparation
- Data Visualization
- Identifying Opportunities
- Generating Solutions
- Understanding the Market

Week 06

- Daily 3
- Understanding the User
- User Interviews
- Wireframes & Prototype
- Human Centered Design

Week 06 (Cont)

- Teamwork & Team Communication
- Conflict Management & Negotiation

Week 07

- Daily 3
- Improving on Your Solution
- Product Requirements
- Design Handover Process
- Pitch Preparation
- Powerful Presentations
- Identifying Opportunities
- Personal Brand & Bio
- Career Skills

Week 08

- Daily 3 Reflection & Commitment
- Elevator Pitch
- Exploring Tech Tracks
- Resume Writing
- LinkedIn Profiles
- Cover Letters
- Interview Skills

Weekly Specialisation Schedule

- Live Learning sessions led by the Technical Mentors offering a practical understanding & real world applications of the course content.
- Regular online check-ins and in-person meet-ups (where learners collaborate with peers, discuss challenges, share insights).

Weekly Content

AWS Cloud Practitioner

Week 01 – Cloud Concepts, Economics, Security & AWS Global Infrastructure

Week 02 – Networking and Content Delivery, Compute & Storage services

Week 03 – Databases, Cloud Architecture & Automatic Scaling & Monitoring

Week 04 – Catch-up Week / 1st Exam Week

Week 05 – Cloud Practitioner Exam Week

Week 06 – Recess Week

AWS Solutions Architect

Week 07 – Introduction to AWS Cloud Architecting

Week 8: Storage & Compute Layers

Week 9: Database Layers & Networking Environment

Week 10: Catch-up Week

Week 11: Connecting Networks and User & Application Access

Week 12: Automating your Architecture

Week 13: Caching Content & Building Decoupled Architectures

Week 14: Catch-up Week

Week 15: Microservices and Serverless Architectures, & Disaster Planning

Week 16: Capstone + Exam Prep Week

Week 17: Solutions Architect Exam Week

