

# Week 4: Starting with AWS Academy



Class code

[gxgxvq4](#)

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# Outline

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- AWS Academy Overview
- AWS Academy Program Benefits
- Certification
- Employment
- Benefits of AWS
- Curriculum components
- Learner Lab
- Badges and free certificates



# CLOS

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- **Installation and Administration:** Learn how to install and administer Windows Server 2025, including choosing server roles, different server environments, and storage options.
- **Management Tools:** Understand how to use tools like the Windows Admin Center, Microsoft Management Console, and PowerShell cmdlets for efficient server management.
- **Active Directory:** Gain skills in creating and managing Active Directory, including domain and forest creation, user and group management, and DNS management.
- **Monitoring and Maintenance:** Discover how to back up Windows Server 2025, use Event Logs for troubleshooting, and monitor performance using tools like Task Manager and Resource Monitor.
- **Virtualization and Cloud Integration:** Explore virtualization with Hyper-V, container creation, and integrating Windows Server 2025 with Azure Cloud services.

# AWS Academy Overview

## Mission of AWS Academy:

The primary mission of AWS Academy is to provide higher education institutions with a free, ready-to-teach cloud computing curriculum that prepares students to pursue industry-recognized certifications and careers in the cloud.



**Curriculum developed and maintained by AWS**

- AWS Academy has a dedicated curriculum development team that creates the content.
- The curriculum team keeps up with the pace at which AWS services and features change and evolve.
- The team updates the course content as needed.



# AWS Academy Overview



**Post-secondary program integration**

- Designed for students in higher education institutions who often don't have IT industry work experience.
- Developed to include content such as demonstrations, projects, activities, and knowledge checks.
- Designed to be delivered over a long period, such as a quarter or semester.

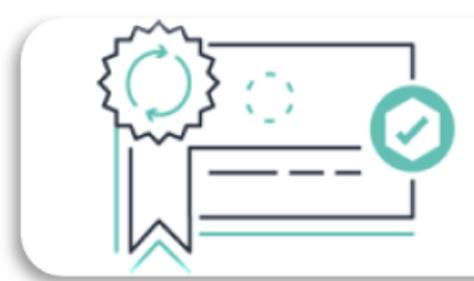


# Certification



**Aligned to AWS Certification**

- Certifications are industry recognized, and organizations use them to identify skilled professionals to lead cloud initiatives by using AWS.
- Students gain knowledge and hands-on experience that are foundational to prepare for AWS Certification exams.
- AWS Academy teaches the broader knowledge domains for cloud skills.



# Employment



## Employment readiness

- Students learn up-to-date skills in cloud technologies and have access to resources that prepare them for in demand IT jobs.
- Students also have the opportunity to pursue industry-recognized AWS Certifications.
- Knowledge of the AWS Cloud, hands-on experience, and AWS Certifications differentiate AWS Academy students when they apply for jobs.



## Benefits of AWS Academy Program

**aws** academy **Program benefits**



# Students

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academy

Program benefits



## Students

Learn up-to-date cloud technology skills by using AWS developed learning content.

Receive resources that prepare them for in-demand IT jobs, and have the opportunity to pursue industry-recognized AWS Certification.

# Course curriculum components

## Lecture modules



Live or recorded lectures to present technical concepts to students

## Hands-on labs



Guided exercises in AWS Management Console that provide students with opportunity to practice skills in a sandbox environment

## Knowledge checks



Multiple choice and multiple response quizzes for each module to assess students' comprehension

## Project exercises



Scenario-based projects that require students to develop and implement a solution by using AWS services

## AWS Academy Course Catalogue Visual Guide

**AWS Academy offers courses and resources that enable learners to develop a range of skills in the AWS Cloud. This guide provides a visual of all AWS Academy courses by AWS category and course level. Use this to help you continue to deepen your AWS Cloud knowledge and confidently teach associate level courses!**

**Category** | **Course Progression** ● = Foundational Level ● = Associate Level

### Cloud Foundations



**AWS Academy Cloud Foundations**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean



### Solution Architect



**AWS Academy Cloud Foundations**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Cloud Architecting**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean



**AWS Academy Lab Project: Web Application Builder**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Lab Project: Cloud Security Builder**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

### Machine Learning



**AWS Academy Cloud Foundations**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Machine Learning Foundations**

\*also available in: Chinese, Spanish (LatAm), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Machine Learning for Natural Language Processing**

## Data Engineering



**AWS Academy Cloud Foundations**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Data Engineering**

**AWS Academy Lab Project: Cloud Data Pipeline Builder**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

## Security



**AWS Academy Cloud Foundations**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Cloud Security Foundations**

\*also available in: Chinese, Spanish (LatAm), Portuguese (Brazil), Japanese, Korean

**AWS Academy Cloud Architecting**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Lab Project: Cloud Security Builder**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

## Developer



**AWS Academy Cloud Foundations**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Cloud Developing**

**AWS Academy Lab Project: Microservices and CICD Pipeline Builder**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

## Operations



**AWS Academy Cloud Foundations**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Cloud Operations**

\*also available in: Chinese, Spanish (LatAm), Portuguese (Brazil)

**AWS Academy Lab Project: Microservices and CICD Pipeline Builder**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

## Data Centers



**AWS Academy Engineering Operations Technician**

**AWS Academy Cloud Foundations**

\*also available in: Chinese, Spanish (LatAm), French (France), Bahasa (Indonesia), Portuguese (Brazil), Japanese, Korean

**AWS Academy Data Center Technician**

Download link

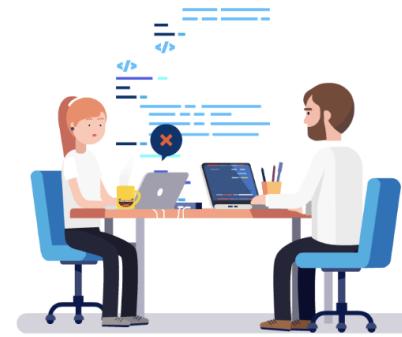
[https://awsacademy.instructure.com/courses/65210/files/3709199/download?download\\_frd=1](https://awsacademy.instructure.com/courses/65210/files/3709199/download?download_frd=1)

# AWS Academy Learner Lab



- AWS Academy offers Learner Labs to help reinforce learning for your students.
- Learner Labs provide hands-on access to more than 100 AWS services for students to work on assignments that are more complex, and no credit card information is required from students.
- To gain access to the Learner Labs, you(Instructor) must complete the Educator Getting Started with AWS Academy course.

**Reinforce learning for students**



# What we can do with our labs



## What can you do with AWS Academy Learner Lab?

You can create your own Learner Labs and add students.

Labs are available at no cost, and you don't need to provide a credit card number.

AWS Academy provides a \$100 US dollar budget (per student) to use AWS services for the duration of your lab.

Within each lab, students have access to a restricted set of AWS services for project work, educator-designed lab exercises, or practice.

# What we can do with our labs



It is important to set an end date that these AWS services are available to your students.



Report on money and time spent in the lab environment to ensure you are within the AWS budget.



Learner Lab are independent from other AWS Academy courses, and you can use this environment with your students at any time.

# AWS Certification Overview

- AWS Certifications validate knowledge at the **Foundational**, **Associate**, **Professional**, and **Specialty** levels.
- **Note:** The AWS Academy curriculum prepares students for Foundational and Associate level certification exams, but does not teach students how to take exams.



## AWS Certification

### Professional

2 years of comprehensive experience in designing, operating, and troubleshooting solutions by using the AWS Cloud



### Associate

1 year of experience solving problems and implementing solutions by using the AWS Cloud



### Foundational

No prior experience needed



Provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support

### Specialty

Extensive technical AWS Cloud experience in the Specialty domain



## Complimentary Practice Question Sets



## AWS Certification

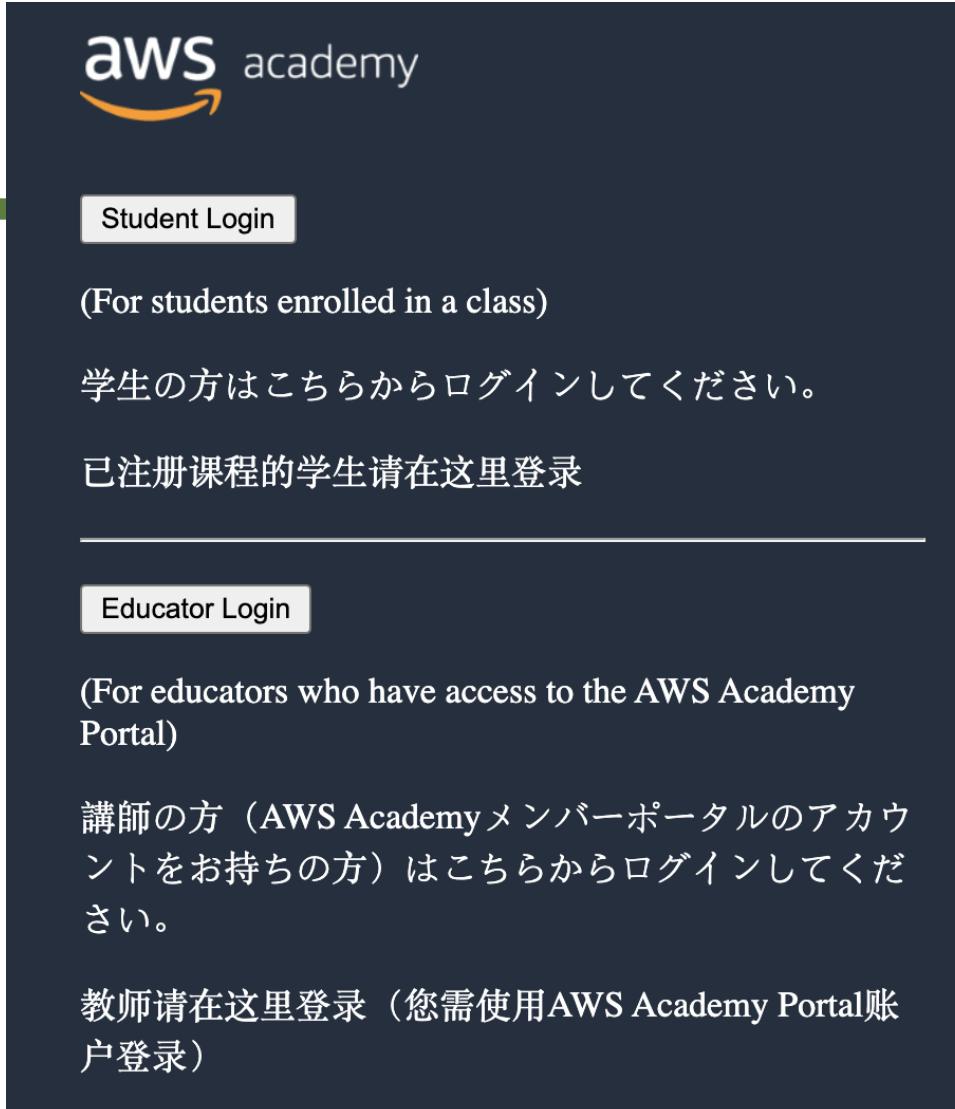
- AWS Academy educators and students can access free, official practice question sets for AWS Certification exams directly through the [AWS Skill Builder](#) website.
- AWS Certification official practice question sets feature 20 questions developed by AWS to demonstrate the style of our certification exams. You can experience these exam-style questions, which offer detailed feedback and recommended resources to help fill gaps. Question sets cover Foundational, Associate, Professional, and Specialty level certifications.
- You can also find free Exam Prep materials on [AWS Skill Builder](#).



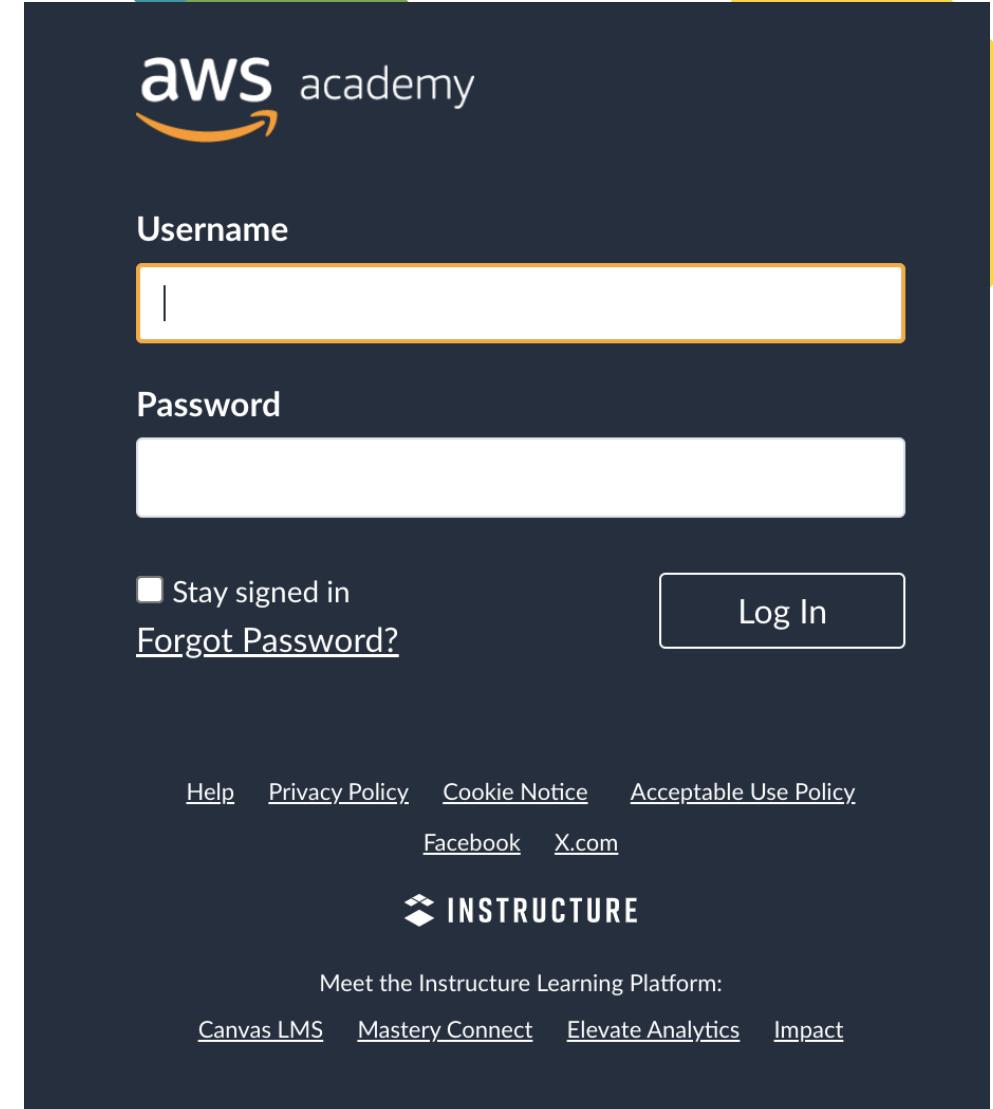
## Discounted AWS Certification Exam Vouchers

- AWS Academy offers a 50% discount voucher on AWS Certification exams for educators.
- You can request this voucher through the [AWS Academy Portal Links to an external site.](#), under *Resources* tab.
- 17 • AWS Academy and AWS Certification.pdf: [https://awsacademy.instructure.com/courses/65210/files/3709197/download?download\\_frd=1](https://awsacademy.instructure.com/courses/65210/files/3709197/download?download_frd=1)

# Access the Academy LMS



The page features the AWS Academy logo at the top left. Below it is a 'Student Login' button. To its right, text in English and Japanese reads '(For students enrolled in a class)' and '学生の方はこちらからログインしてください。' (For students enrolled in a class). Further down, text in English and Chinese reads '已注册课程的学生请在这里登录' (For students enrolled in a class). At the bottom, there is an 'Educator Login' button. Below it, text in English and Japanese reads '(For educators who have access to the AWS Academy Portal)' and '講師の方 (AWS Academy メンバー ポータルのアカウントをお持ちの方) はこちらからログインしてください。' (For educators who have access to the AWS Academy Portal). At the very bottom, text in English and Chinese reads '教师请在这里登录 (您需使用AWS Academy Portal账户登录)' (For educators who have access to the AWS Academy Portal).



The page features the AWS Academy logo at the top left. Below it is a 'Username' input field with a placeholder 'Enter username'. To its right is a 'Password' input field. At the bottom left of the input fields is a checkbox labeled 'Stay signed in' and a link 'Forgot Password?'. To the right of the input fields is a 'Log In' button. At the bottom of the page, there are links for 'Help', 'Privacy Policy', 'Cookie Notice', 'Acceptable Use Policy', 'Facebook', and 'X.com'. There is also a logo for 'INSTRUCTURE' with the text 'Meet the Instructure Learning Platform: Canvas LMS, Mastery Connect, Elevate Analytics, Impact'.

# AWS Academy LMS - Adding Students

- The student receives an email invitation from **notifications@instructure.com** to join the class. To complete account creation, the student should choose **Get Started** in the email.
- Note:** Invitation emails are only sent to students on or **after the course Start Date**.
- Tip:** Provide a comma-separated list of student email addresses. The system allows instructor to add no more than 150 students at a time.
- IMPORTANT:** After the End Date, students will retain access to learning materials such as student guides, videos, and PDFs. Students can re-take Knowledge Checks, but the scores will not be recorded.
- Students will not retain access to labs, so no viewing, re-taking, re-starting labs to view their previous attempts. All lab work will be deleted on the End Date, including works in progress and completed labs. After lab work is deleted, it cannot be retrieved, even if the End Date is changed to a later date.



**Add People**

The following users are ready to be added to the course.

Name	Email Address	Login ID	SIS ID	Institution
John Doe	john.doe@student.college.edu			AWS Academy
Jane Doe	jane.doe@student.college.edu			AWS Academy

**Add Users**

# Credly

- Credly is the end-to-end solution for issuing and managing digital credentials. Credly works with credible organizations to provide digital credentials to individuals, worldwide. The AWS Academy digital badges are provided via Credly's platform.
- A student can download their completion certificate and badge after they complete an AWS Academy course.
- To get a badge, a student needs to **score 70 percent or better** on required Knowledge Checks or Course Assessment.
- **Note:** Learners who complete the badge requirements will only receive the badges when the AWS Academy course reaches the **end date**.

## Claiming a Badge

- When students complete all the required components of each course, the students can choose **Claim your badge** on the Modules page.
- The AWS Academy digital badges are provided via **Credly**. After claiming a badge, the student will receive an email from AWS Training and Certification through Credly ([admin@credly.com](mailto:admin@credly.com)) within 24 hours. If the student would like to get access to the badge, they must choose **Accept your badge** in the email.



# AWS Server Management Course

## Requested Class Information



**Primary Educator Name**

Mohammad Salim

**Institution Name**

Tishk International University

**Region**

CIS-RUS-MEA

**Country**

Iraq

**Course**

Academy Learner Lab

**Language**

English

**Secondary Educator Name (Optional)**

-

**Location**

-

**Class Start Date**

2025-03-09

**Class End Date**

2025-06-08

**Level of Class**

-

**Modality**

Blended

**Expected Number of Students**

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[Close](#)

# Assignment 2

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- Complete the student course asap to help you get your AWS Academy certificate.

# Conclusion

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- In this lecture note, we covered most of the important details needed to start using AWS Academy.
- Lab learner is our main focus for now.
- Getting badges and course completion certificates is so important if you to share and add to your social media and LinkedIn accounts.
- AWS certifications could take you to the next level.

# Thank you

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Mohammad Salim-  
IT Dept- Applied Science Faculty- TIU University

Class code

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