

AWS Academy

February 19, 2024

Richard Thomas

Presented for the Software Architecture course
at the University of Queensland



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

1 Introduction

In this course we use AWS Academy as a resource to learn how to deploy and manage infrastructure on Amazon Web Services (AWS), as an example of a cloud based Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) environment. You have been enrolled in three AWS Academy courses, as well as the AWS Learner Lab. We expect you to work your way through at least two of the AWS Academy courses as self-study material. The [CSSE6400 course schedule](https://csse6400.uqcloud.net/schedule/)¹ provides a guide as to when we expect you to complete particular modules in the [AWS Academy Cloud Foundations](https://awsacademy.instructure.com/courses/73523)², and [AWS Academy Cloud Architecting](https://awsacademy.instructure.com/courses/73526)³ courses.

The [AWS Academy Cloud Developing](https://awsacademy.instructure.com/courses/73525)⁴ course is provided as a supplementary resource. It covers much of the same content as [AWS Academy Cloud Architecting](https://awsacademy.instructure.com/courses/73526)⁵, but [AWS Academy Cloud Architecting](https://awsacademy.instructure.com/courses/73526)⁶ does so in a more structured and progressive manner. [AWS Academy Cloud Developing](https://awsacademy.instructure.com/courses/73525)⁷ treats each topic a little more independently. The advantage of this is that it also covers a couple of other topics, such as REST APIs and Containers, that you may find useful.

[AWS Academy Learner Lab](https://awsacademy.instructure.com/courses/73527)⁸ will be used in practical sessions from week 4 onwards. You will also use it to implement your solution to the Cloud Infrastructure assignment.

You need to accept your enrolment into:

- AWS Academy Cloud Foundations [\[73523\]](https://awsacademy.instructure.com/courses/73523) course;
- AWS Academy Cloud Architecting [\[73526\]](https://awsacademy.instructure.com/courses/73526) course;
- AWS Academy Cloud Developing [\[73525\]](https://awsacademy.instructure.com/courses/73525) course; and
- AWS Academy Learner Lab [\[73527\]](https://awsacademy.instructure.com/courses/73527) course.

And then login to the AWS Academy and navigate to your courses.

2 AWS Academy

AWS Academy is an educational platform to teach you how to use AWS services. The content has been created by key developers in the AWS team.

¹<https://csse6400.uqcloud.net/schedule/>

²<https://awsacademy.instructure.com/courses/73523>

³<https://awsacademy.instructure.com/courses/73526>

⁴<https://awsacademy.instructure.com/courses/73525>

⁵<https://awsacademy.instructure.com/courses/73526>

⁶<https://awsacademy.instructure.com/courses/73526>

⁷<https://awsacademy.instructure.com/courses/73525>

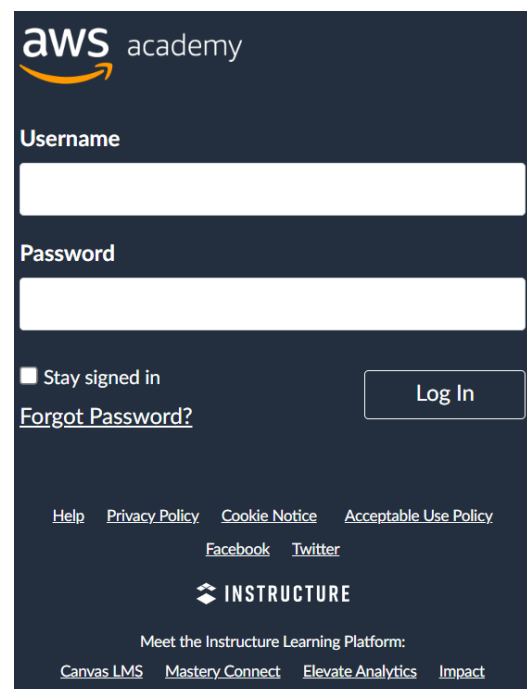
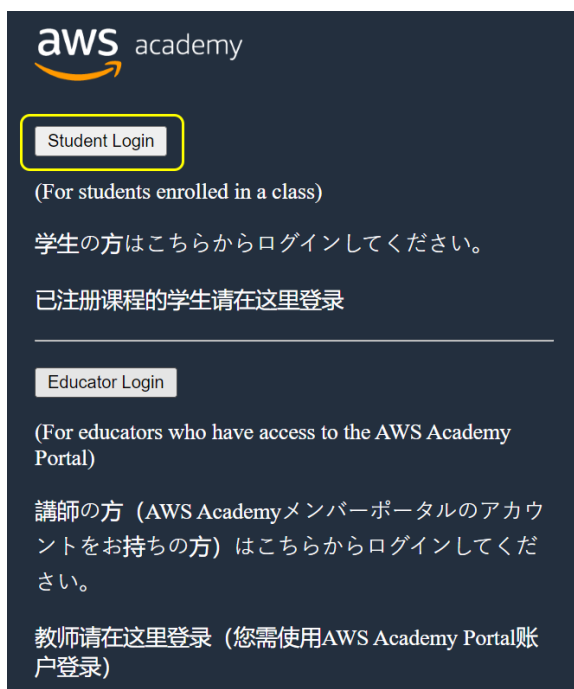
⁸<https://awsacademy.instructure.com/courses/73527>

2.1 Enrol in AWS Academy

1. Set up your AWS Academy account by responding to your email invitation and clicking **Get Started**. The email invitation will come from AWS Academy. Check your junk/spam folders.



2. Go to https://www.awsacademy.com/vforcesite/LMS_Login to login.
 - (a) Press **Student Login**.
 - (b) Use the email address that received the email invitation.



2.2 Exploring the Interface

Once you login, you should see your account dashboard. This lists the courses in which you are enrolled.

The screenshot shows the AWS Academy account dashboard. On the left is a dark sidebar with the AWS Academy logo, an 'Account' button, and a 'Dashboard' button. Below these are icons and labels for 'Courses', 'Calendar', 'Inbox', 'History', and 'Help'. The main content area has a top notification bar with an information icon and the text 'Notifications. Tell us how and when you would like to be notified of events in Canvas.' with a 'Notification Preferences' button. Below this is a large 'Dashboard' heading. The dashboard displays four course cards in a 2x2 grid. Each card has a colored header (blue, green, blue, green) and a white footer containing the course title and ID, and icons for announcements and discussions. The courses are: 'AWS Academy Cloud Architecting...' (ACA v2EN-LTI13-73526), 'AWS Academy Cloud Developing [...]' (ACD v2EN-LTI13-73525), 'AWS Academy Cloud Foundations...' (ACF v2EN-LTI13-73523), and 'AWS Academy Learner Lab [73527]' (ALL v1EN-LTI13-73527). On the right side, there are sections for 'To Do' (Nothing for now), 'Recent Feedback' (Nothing for now), and a 'View Grades' button.

Click on a course to go to its home page.

The screenshot shows the home page for the 'AWS Academy Cloud Foundations [73523]' course. The left sidebar is the same as the dashboard, but the 'Courses' button is highlighted. The main content area has a breadcrumb trail 'Home > Announcements > Modules > Discussions > Grades' with 'Modules' selected. The course title 'AWS Academy Cloud Foundations [73523]' is prominently displayed. Below the title is a banner image featuring a classical building and the AWS Academy logo. The course description states: 'AWS Academy Cloud Foundations is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support. This course helps you to prepare for the AWS Certified Cloud Practitioner exam. Review the Certification Resources module for details about the exam.' Below the description is a 'Get Started' section with three icons: a laptop, speech bubbles, and a headset with a question mark. At the bottom, text reads: 'Select Modules to start the course. Use Discussions to connect with peers. Visit Course Support for help.' On the right side, there are buttons for 'View Course Stream', 'View Course Calendar', and 'View Course Notifications'. Below these are sections for 'To Do' (Nothing for now) and 'Recent Feedback' (Nothing for now).

Navigate to the Modules tab and you will see the list of modules and their learning content for the course. The content includes videos, readings, and self-assessment exercises. The self-assessment exercises are to help you to know that you understand the content. These are not used as part of your assessment in this course.

The screenshot displays the AWS Academy interface. On the left is a dark sidebar with navigation icons for Account, Dashboard, Courses, Calendar, Inbox, History, and Help. The main header shows the course ID 'ACFv2EN-LTI13-73523' and the 'Modules' tab. Below the header, a list of navigation links includes Home, Announcements, Modules (selected), Discussions, and Grades. A 'Collapse All' button is in the top right. The main content area lists two modules: 'Introduction' and 'Module 1 - Cloud Concepts Overview'. The 'Introduction' module contains six items: Pre-Course Survey, Course Introduction Video, Student Guide, How to complete lab exercises, Course Support, and General Discussion. The 'Module 1 - Cloud Concepts Overview' module contains two items: Introduction Video and Section 1 Video - Introduction to cloud computing.

Module	Item
Introduction	Pre-Course Survey
	Course Introduction Video
	Student Guide
	How to complete lab exercises
	Course Support
	General Discussion
Module 1 - Cloud Concepts Overview	Introduction Video
	Section 1 Video - Introduction to cloud computing

Explore the AWS Academy interface and courses. Start working through the [AWS Academy Cloud Foundations](https://awsacademy.instructure.com/courses/73523)⁹ course. Try to complete at least half of it this week.

⁹<https://awsacademy.instructure.com/courses/73523>