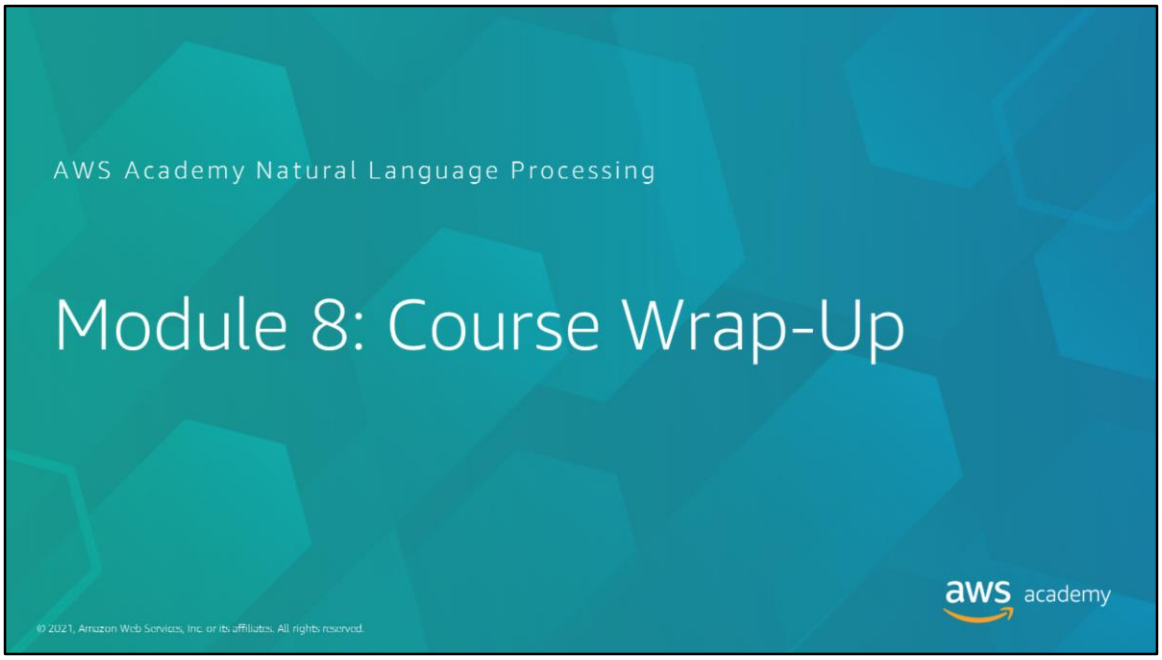
AWS Academy Natural Language Processing
Module 08 Student Guide
Version 0.1.0

200-ACMNLP-01-EN-SG

AWS Academy Natural Language Processing

Contents



Welcome to Module 8: Course Wrap-Up.

Module overview

aws academy

Sections

1. Capstone project
2. Course summary
3. Bridging to certification

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Congratulations on completing the AWS Academy Natural Language Processing course! You will now learn about the Capstone project. You will also take a few minutes to review what you learned and find out where you can go from here.

This section introduces the Capstone project for the course.

Capstone project

- For this project, you play the part of a machine learning (ML) developer.
- Scenario:
  - **Environment:** A training organization that recently developed a course about ML
  - **Task:** Build a visualization for the most common topics and terms that the course covers

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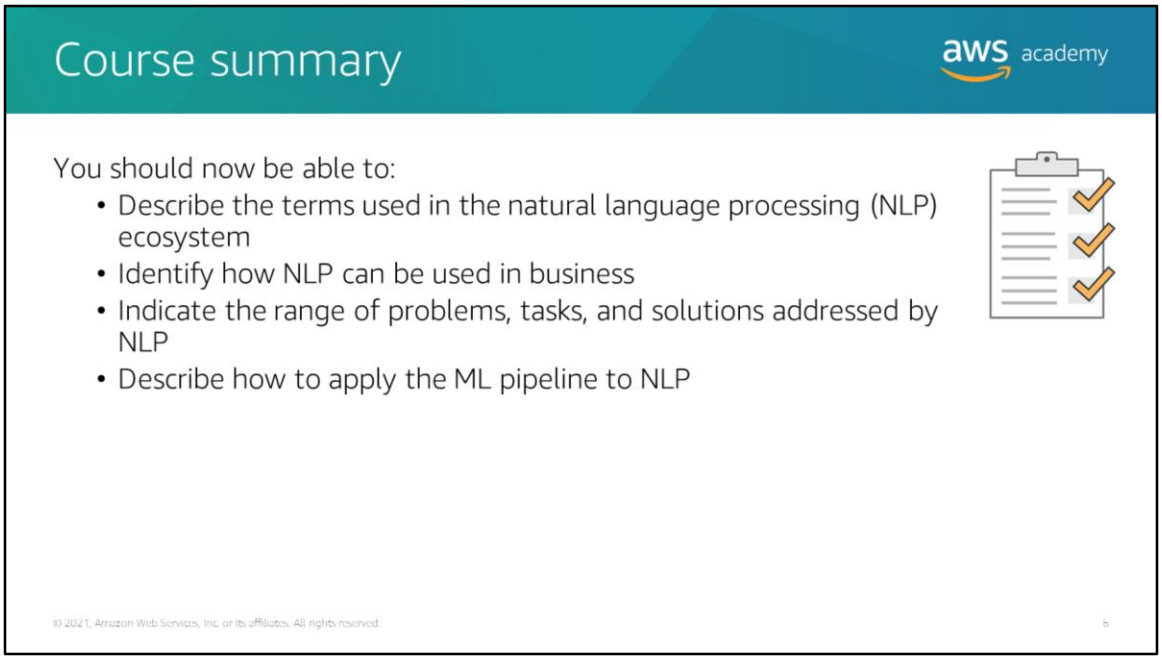
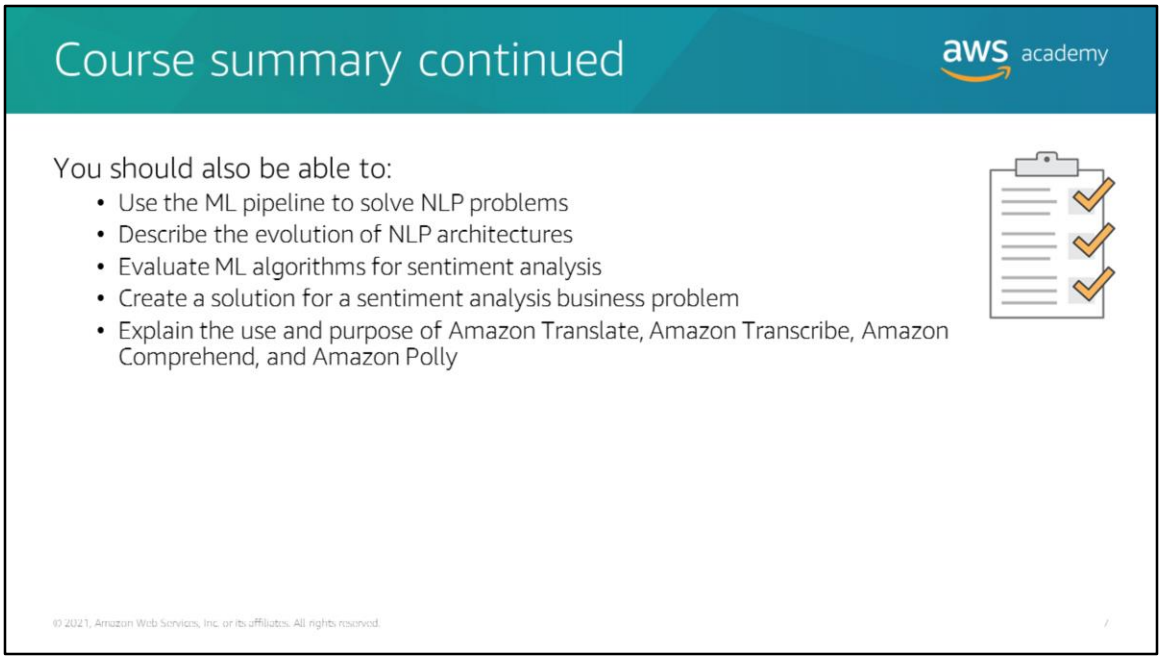
The Capstone project brings together several of the labs from earlier in the course. In this lab, you are in the role of an ML engineer. You work for a training organization that has recently developed an introduction to ML course. You have been asked to build a visualization of the most common topics and terms that the course covers. You will need to apply the skills that you have learned in earlier labs to accomplish this task.

This summary explains the topics that were covered in the course.



In this course you have learned to:

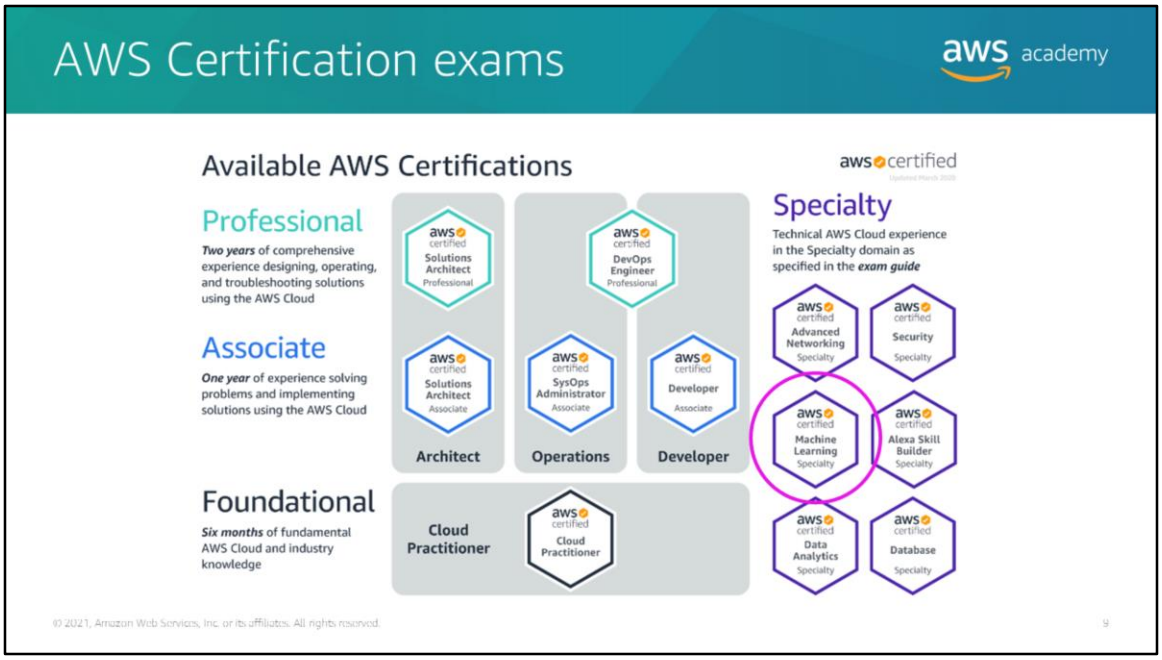
- Describe the terms used in the natural language processing (NLP) ecosystem
- Identify how NLP can be used in business
- Indicate the range of problems, tasks, and solutions addressed by NLP
- Describe how to apply the ML pipeline to NLP



You have also learned to:

- Use the ML pipeline to solve NLP problems
- Describe the evolution of NLP architectures
- Evaluate ML algorithms for sentiment analysis
- Create a solution for a sentiment analysis business problem
- Explain the use and purpose of Amazon Translate, Amazon Transcribe, Amazon Comprehend, and Amazon Polly

Although this course is not designed to prepare you to achieve the AWS Certified Machine Learning – Specialty, you can continue to work toward AWS Certification. The next few slides review how you can achieve that goal.



AWS Certification helps learners build credibility and confidence by validating their cloud expertise with an industry-recognized credential. It also helps organizations identify skilled professionals who can lead cloud initiatives by using AWS.

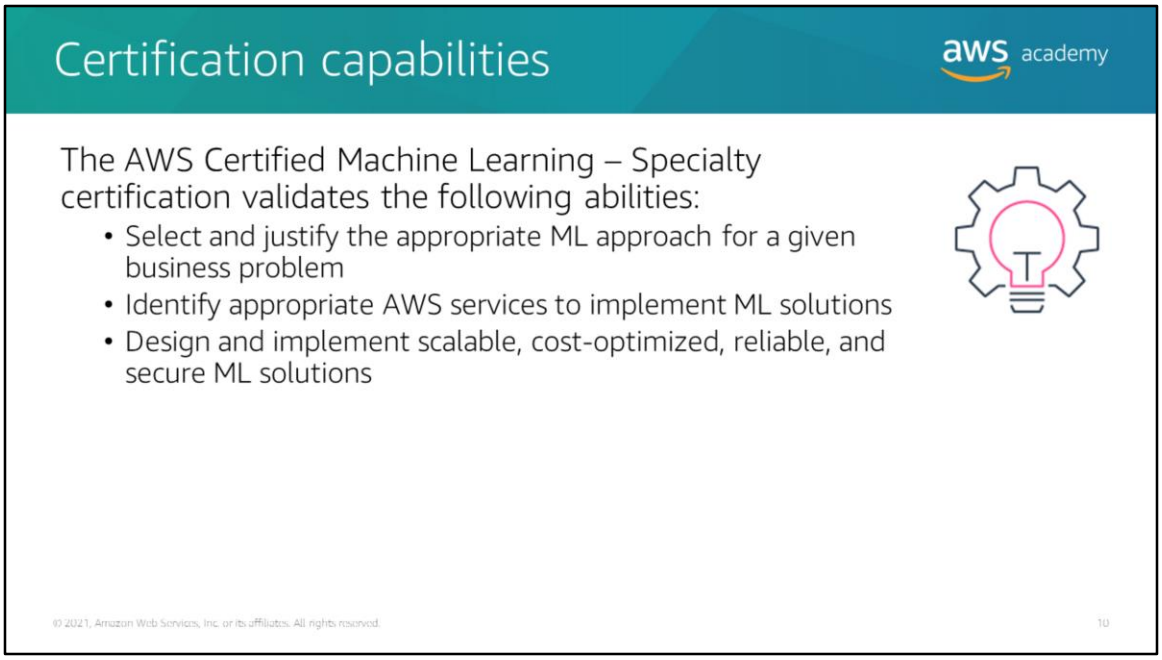
You must earn a passing score by taking a proctored exam to earn an AWS Certification. After receiving a passing score, you will receive your certification credentials.

AWS Certification does not publish a list of all services or features that are covered in a certification exam. However, the exam guide for each exam lists the current topic areas and objectives that are covered in the exam. You can find exam guides on the Prepare for Your AWS Certification Exam page.

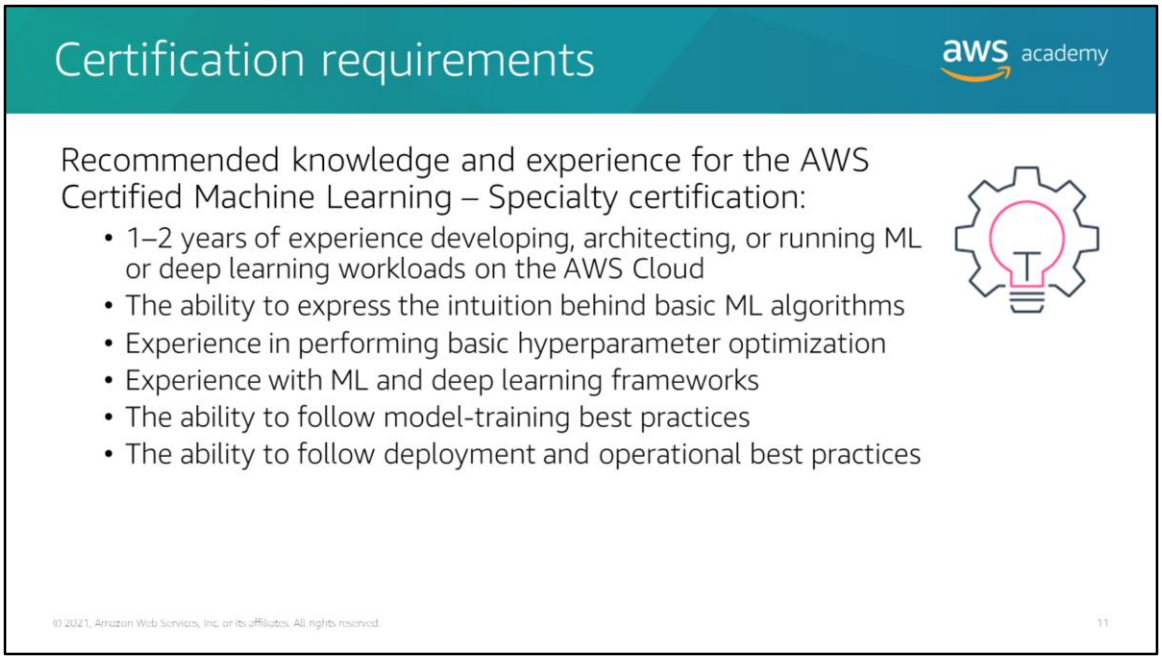
You are required to update your certification (or recertify) every 3 years. For more information, see AWS Recertification.

The information on this slide is current as of June 2020. However, exams are frequently updated. Also, the details regarding which exams are available—and what is tested by each exam—are subject to change.

For the latest information about AWS Certification exams, see AWS Certification.

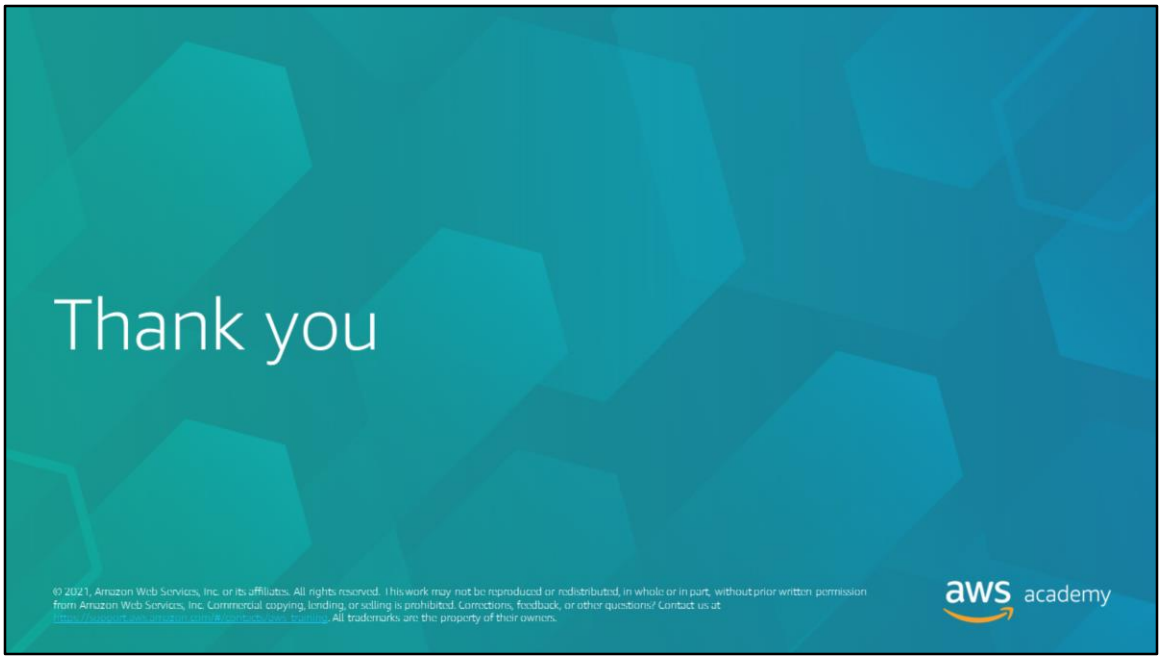


Obtaining the AWS Certified Machine Learning – Specialty means that you can select and justify the appropriate ML approach for a given business problem. You can also identify appropriate AWS services to implement ML solutions. Finally, you can design and implement scalable, cost-optimized, reliable, and secure ML solutions.



Before you take the AWS Certified Machine Learning – Specialty exam, we recommend that you have the following knowledge and experience.

First, you should have 1–2 years of experience in developing, architecting, or running ML or deep learning workloads on the AWS Cloud. Your experience should include performing basic hyperparameter optimization and working with ML and deep learning frameworks. You should also be able to express the intuition behind basic ML algorithms. Finally, you should be able to follow model-training best practices along with deployment and operational best practices.



Thank you for completing AWS Academy Natural Language Processing.

