

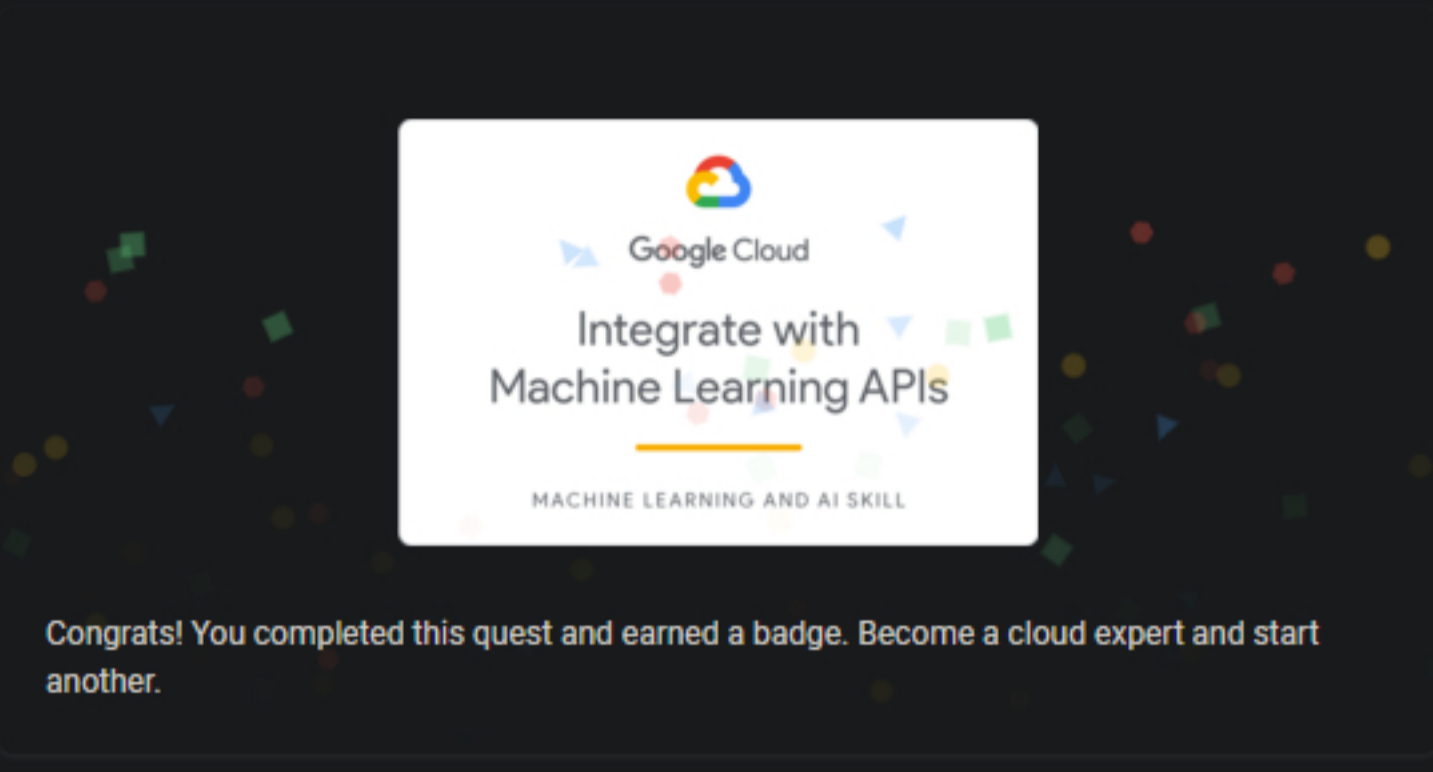
Quest

Integrate with Machine Learning APIs

📅 6 hours 📈 Advanced 🏆 31 Credits

Earn a **skill badge** by completing the **Integrate with Machine Learning APIs** quest, where you learn the basic features for the following machine learning and AI technologies: Cloud Vision API, Cloud Cloud Translation API, and Cloud Natural Language API.

A skill badge is an exclusive digital badge issued by Google Cloud in recognition of your proficiency with Google Cloud products and services and tests your ability to apply your knowledge in an interactive hands-on environment. Complete this skill badge quest, and the final assessment challenge lab, to receive a skill badge that you can share with your network.



Congrats! You completed this quest and earned a badge. Become a cloud expert and start another.

Lab

✔ **Introduction to APIs in Google**

This lab will teach you about the architecture and basic functioning of Application Programming Interfaces (APIs). This will be supplemented with hands-on practice, where you will configure and run Cloud Storage API methods in Cloud Shell.

★★★★★ 45 minutes Introductory 1 Credit 🌐 ▼

Lab

✔ **Extract, Analyze, and Translate Text from Images with the Cloud ML APIs**

In this lab you'll combine the Cloud Vision, Natural Language, and Translation APIs to capture text strings from images, recognize characters, and analyze and translate the text strings into other languages.

★★★★★ 50 minutes Advanced 7 Credits 🌐 ▼

Lab

✔ **Classify Text into Categories with the Natural Language API**

In this lab you'll learn how to classify text into categories using the Natural Language API

★★★★★ 1 hour intermediate 5 Credits 🌐 ▼

Lab

✔ **Detect Labels, Faces, and Landmarks in Images with the Cloud Vision API**

The Cloud Vision API lets you understand the content of an image by encapsulating powerful machine learning models in a simple REST API. In this lab you'll send an image to the Cloud Vision API and have it identify objects, faces, and landmarks.

★★★★★ 30 minutes intermediate 5 Credits 🌐 ▼

Lab

✔ **Entity and Sentiment Analysis with the Natural Language API**

The Cloud Natural Language API lets you extract entities, and perform sentiment and syntactic analysis on a block of text. In this hands-on lab you'll learn how to extract entities and sentiment from text using the Cloud Natural Language API.

★★★★★ 40 minutes Introductory 1 Credit 🌐 ▼

Lab

✔ **Awwvision: Cloud Vision API from a Kubernetes Cluster**

This hands-on lab uses Kubernetes and Cloud Vision API to create an example of how to use the Vision API to classify (label) images from Reddit's /r/aww subreddit and display the labelled results in a web app.

★★★★★ 45 minutes intermediate 5 Credits 🌐 ▼

Lab

✔ **Integrate with Machine Learning APIs: Challenge Lab**

This challenge labs tests your skills in implementing a solution using the Google Machine Learning APIs

★★★★★ 1 hour Advanced 7 Credits 🌐 ▼