

Welcome to Week 1

✓ Done: View

<https://www.youtube.com/watch?v=wExwNAKZrEc>

[Click here if you wish to open this video in its own window.](#)

What You'll Learn

- Welcome to Week 1 of the NodeJS, Express, and MongoDB course! This is the final course of the Full Stack bootcamp, and you will learn about the server-side technologies that drive the back end of web applications, including the database and the server application that communicates between the database and the client side. The welcome video will give you an overview of the technologies covered in this week (Node and Express), as well as those that will be covered through the entire bootcamp.
- During this week's exercises, you will learn about REST API routes to build a local server on your machine. Then you'll learn about cloud functions, and how to build the same routes as serverless functions in the cloud.

Week 1 Overview

Node Modules

- Overview: Node Modules
- Exercise: Understanding Node Modules
- Overview: Callbacks, Closures, and the Node Event Loop
- Exercise: Callbacks and Error Handling in Node
- Code Challenge: Node Modules
- Challenge Question: Import Export

Node and HTTP

- Review: Networking Essentials
- Overview: Node HTTP Module
- Exercise: Node HTTP Module
- Code Challenge: Callbacks

Introduction to Express

- Overview: Express Server Framework and NPM Packages
- Exercise: Introduction to Express
- Review: Introduction to REST
- Overview: Express Router
- Exercise: Express Router

Google Cloud: Functions and Routes

- Overview: Introduction to Cloud Functions
- Exercise: Local Development with Cloud Functions (Google Cloud Skills Boost Lab)
- Exercise: Simple Express Functions with Functions-Framework

- Forum: Apply your Learning

There are two **Quizzes** to take as an end-of-week assessment, and a **Workshop Assignment** to work on with your classmates at the end of the week's workshop.

You will also begin planning and coding for the server-side version of your Portfolio Project, which will be the implementation of part of the back end for your React Portfolio Project.



PREVIOUS ACTIVITY

[The Nucamp Learning Community Chat Server](#)



NEXT ACTIVITY

[Prerequisites: Postman and Node](#)