

Understanding and Using APIs

After completing this Understanding and Using APIs training, you'll know how to use APIs to accelerate and simplify repetitive yet complex processes into something reusable and versatile. APIs, or Application Programming Interfaces, are how the Internet keeps going. Many APIs are so commonplace we can easily forget that's what they are — for example, our browser receiving a response from an HTTP web server.

[CBT Nuggets course material](#) →

WEEK 1

REST API Fundamentals

Introducing RESTful APIs

RESTful API Constraints

REST vs. SOAP

REST Tools

RESTful API Summary

REST API Requests and Responses

Overview

Introducing REST API Requests and Responses

Request and Response

HTTP Request Method

HTTP Response Codes

HTTP Headers

HTTP Requests and Responses Summary

Parameters and Payloads for REST APIs

Overview

Introduction to HTTP Parameters and Payloads

HTTP Query Strings

HTTP Payloads

Query Strings and Payloads in Action

HTTP Parameters and Payloads Summary

Authentication with HTTP and REST

Overview

Introduction to REST Authentication

Base64 Encoding vs. Encryption

HTTP Basic Authentication

API Key Authentication

Token Authentication

HTTP Authentication Summary

Use Postman for REST API Interaction

Overview

Introduction to Postman

Postman Requests and Responses

HTTP Auth with Postman

Postman Collections and Folders

Postman Scripts

Postman Environments

Postman Summary