

# RESTful API Testing with Postman

A REST API defines a set of functions which developers can perform requests and receive responses via **HTTP** protocol such as **GET** and **POST**.

Because REST API's use HTTP, they can be used by practically any programming language and easy to test (it's a requirement of a REST API that the client and server are independent of each other allowing either to be coded in any language and improved upon supporting longevity and evolution)

## **Course Content**

- Introduction

API Testing with Postman

- Sending API Requests
- Understanding API Responses
- Manage APIs with Collections
- Variables and Environments
- Environment and Global Variables
- Writing Test Scripts
- Test Scripts
- Collections Runner

Testing Workflow with Twitter API

- Authorization
- Testing Automation

Run Collection with Newman

- Newman: Installation and Overview
- Newman: Iterations & Delay requests
- Newman: Running a folder from a collection
- Newman: Passing environment and global variables with command
- Newman: Export reports and exit after first failed iteration