

APIs and JSON Training Course Outline

Demystify APIs and unlock the power of JSON in FME

Overview

This hands-on training course is designed for FME users who want to better understand APIs and confidently work with JSON data in real-world integration workflows. Through guided instruction and practical exercises, participants will learn to connect to REST APIs, interpret API responses, and parse JSON for use in data transformation tasks.

Whether you're consuming public data, automating integrations, or powering dashboards, this course will give you the knowledge and confidence to build powerful, API-connected workflows.

Course Objectives

- Describe what APIs are and how they apply to data integration
- Confidently connect to REST APIs using FME transformers
- Read, format and troubleshoot JSON data
- Extract and transform JSON using FME's core tools
- Build reliable, API-integrated workflows for real-world use cases
- Leverage the new OpenAPICaller for simplified API connections

Course Content

Intro to APIs & JSON. Understand key API concepts, how REST APIs work and how JSON is structured

Connecting with HTTPCaller. Learn to retrieve and send data using REST APIs, including handling authentication

Working with JSON in FME. Parse, transform and structure JSON using transformers like JSONFragmenter and JSONFlattener

Building API Workflows. Create end-to-end workflows that fetch, filter and update data using real-world examples

Using the OpenAPICaller. Explore FME's OpenAPICaller for simplified integration with OpenAPI-based services

Tips, Troubleshooting and Best Practices. Learn from Locus experts in a virtual classroom setting, where interaction, questions and real-world scenarios are encouraged!

