

## Data Virtualization Training Course Outline

### Streamline access to data without duplication in FME

#### Overview

This practical training course is designed for FME users who want to simplify access to their organisation's data without unnecessary copying or storage. Through guided instruction and hands-on exercises, participants will learn how to connect to live data sources, configure efficient read-only pipelines and work with a wide range of systems including databases, APIs and cloud services. Whether you're reducing storage overhead, standardising access across teams, or integrating multiple sources in real time, this course will give you the tools and confidence to virtualize data effectively in FME.

#### Course Objectives

- Understand what data virtualization means in the context of FME
- Connect to live data sources including databases, APIs and cloud systems
- Build read-only pipelines to streamline access without duplication
- Apply transformations to virtualized data on the fly
- Decide when to virtualize versus when to extract and store
- Design flexible workspaces that adapt to changing sources

#### Course Content

**Intro to Data Virtualization.** Understand the principles of virtualization and how FME enables access without duplication

**Connecting to Live Data.** Learn to work with databases, APIs and cloud storage using FME readers and connectors

**Configuring Read-Only Pipelines.** Build efficient pipelines that provide up-to-date access while minimising storage overhead

**Transforming Virtual Data.** Use FME transformers to filter, reshape and combine virtualized sources in real time

**When to Virtualize vs Extract.** Explore decision points, trade-offs and best practices for balancing performance and flexibility

**Designing Flexible Workspaces.** Create robust workflows that adapt to schema changes and shifting source systems

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

