



## Locus Training Services

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Training courses and workshops to suit any skill level, from beginner to expert.



## COURSE

# Introduction to FME: Building Foundational Skills

2  
Days

Empower your team with the essential skills needed for effective data integration through our comprehensive 2-day introductory FME course. Designed to provide a solid foundation in FME Form, this course will ensure your team are well-versed in best practices and ready to apply their knowledge to real-world scenarios.

This is an excellent course if you have new starters, have recently introduced FME to the organisation or have a mix of beginner through to intermediate FME capability within the team and want to baseline skills and bring everyone up to speed.

## Course Outline

### Why Data Integration

Understand the importance and benefits of integrating data effectively

### Connect to Data

Learn how to connect data sources effortlessly by interacting with the different components of FME

### Transform Data

Master the basics of data transformation including structural and content transformation. Learn how hundreds of FME transformers used in series or in parallel can help you effectively manage your workflow

### Create and Modify Attributes

Gain skills in creating and modifying data attributes such as calculating distances, formatting dates and creating conditional attributes based on specific criteria

### Filter Data

Learn how to filter data by selecting features or data points to include/exclude based on attribute values or spatial relationships

### Design Workspaces for Reading and Writing

Develop and design sophisticated workspaces for advanced data operations bringing together diverse data formats and sources

### Use Conditional Values

Implement conditional logic to handle complex data scenarios, enabling dynamic transformations and decision-making based on attribute values, spatial relationships, or other criteria

### Join Tables

Acquire the ability to join multiple tables to bring data together consolidating disparate datasets based on common attributes

# Introduction to FME: Building Foundational Skills

## Key Benefits

### Comprehensive Learning

Cover all fundamental aspects of FME Form to build a strong foundational knowledge and application

### Interactive Sessions

Engage in hands-on exercises that reinforce learning and practical application

### Best Practices

Focus on industry best practices to ensure your team uses FME effectively

### Expert Instruction

Learn from experienced, FME Certified Trainers who provide insights and guidance tailored to your needs

## Why Choose this Locus Course?

Locus manages and maintains all our course materials to ensure we are training on the latest techniques and versions of FME.

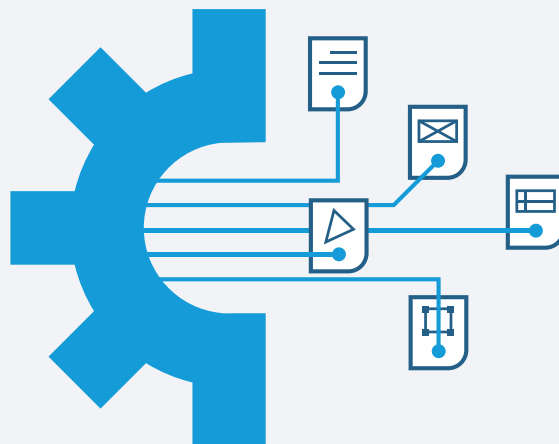
Our trainers are experienced professionals who consistently receive high praise for their engaging delivery style and the quality of the course content. Our 2-day Introduction to FME course is designed to equip your team with the knowledge and skills necessary to become proficient in FME.

By focusing on best practices and practical applications, we ensure your team can integrate, transform, and manage your organisation's data with skill and confidence.

**Duration:** 2 Days Virtual or Live-Trainer (or onsite on request)

**Trainer:** FME Certified Trainer with 5+ years' experience in the practical application of FME

**Course Materials:** Virtual environment, complimentary FME training license and FME training manual



## COURSE

# FME Form Advanced Training: Enhancing Proficiency

1-2  
Days

This advanced training course builds upon the foundational skills acquired in the Introduction to FME training, focusing on advanced techniques and best practices. The curriculum aligns with the FME Advanced trail on Safe Software's FME Academy, ensuring consistency with industry standards.

## Course Outline

### Advanced Attribute Manipulation

Go beyond basic editing. Learn techniques for complex string manipulation, calculations, and data validation to ensure high-quality data output

### Custom Transformers

Uncover the power of custom transformers. Build your own to handle specific data processing needs and extend FME's capabilities

### Advanced Readers and Writers

Explore advanced functionalities of various data formats. Gain expertise in handling complex data structures and large datasets efficiently

### Geometry Handling

Master advanced geometric operations. Learn to perform tasks like buffering, simplification, and spatial calculations to manipulate geometries precisely

### Workspace Optimization

Transform your workspaces from good to great. Discover best practices for designing efficient and maintainable workflows that can handle complex data integrations

### FME Flow Integration

Bridge the gap between FME Form and FME Flow. Leverage FME Flow features like user parameters and web app creation to extend the reach of your data integrations

### List Attributes

Harness the power of list attributes. Unlock new possibilities for data manipulation and analysis by working with ordered and nested data structures

### Reusable Workflows

Embrace the concept of modularity. Learn to create reusable and encapsulated workflows for efficient data processing and collaboration

### Performance Optimization

Explore techniques to optimize performance for readers, writers, databases, and FME Flow executions

# FME Form Advanced Training: Enhancing Proficiency

## Learning Objectives

### Become an FME power user

Develop advanced FME skills in data manipulation, custom transformers, and complex data handling, allowing you to tackle intricate data integration challenges

### Automate complex data workflows

Build robust and reusable workflows that streamline data processing, saving time and effort in repetitive tasks

### Ensure data quality and integrity

Master advanced techniques for data validation, manipulation, and transformation, guaranteeing high-quality data output for downstream applications

### Optimize data integration performance

Gain expertise in optimizing workflows for speed and efficiency, ensuring smooth data integration regardless of data size and complexity

### Extend FME's capabilities

Learn to develop custom transformers and leverage FME Flow features (if applicable) to solve unique data integration challenges beyond standard functionalities

### Collaborate effectively

Build reusable and modular workflows that can be easily shared and maintained by your team

## Course Prerequisites

- Prior experience with FME is required.
- Basic familiarity with FME Form concepts and practices, at least to the extent covered by the Introduction to FME Form Training, is assumed.

## Key Benefits

### Comprehensive Learning

Delve into advanced aspects of FME to build on your foundational knowledge

### Interactive Sessions

Participate in hands-on exercises that reinforce learning through practical application

### Best Practices

Focus on industry best practices to ensure efficient and effective use of FME

## Why Choose this Locus Course?

Locus manages and maintains all course materials to ensure training on the latest techniques and versions of FME. Our trainers are highly experienced professionals, consistently praised for their engaging delivery style and the quality of course content.

This advanced FME course is designed to equip your team with the skills necessary to handle complex data integration tasks with confidence and expertise.

By focusing on advanced practices and practical applications, we ensure your staff can maximize the capabilities of FME.

**Duration:** 2 Days Virtual or Live-Trainer (or onsite on request)

**Trainer:** FME Certified Trainer with 5+ years' experience in the practical application of FME

**Course Materials:** Virtual environment, complimentary FME training license and FME training manual

## COURSE

# FME Flow: Unlocking Enterprise Capabilities

2  
Days

Learn from the experts how to leverage FME's enterprise capabilities through our comprehensive 2-day FME Flow training course.

Designed for those who are already familiar with FME Form, this course will guide you through deploying FME capabilities to colleagues or customers via the web, dynamically distributing data, and moving FME processing tasks to a server environment with suitable failover, scalability, and scheduling. The course includes extensive hands-on, problem-solving exercises to ensure you gain practical experience.

## Course Outline

### FME Form Refresher Session

Reinforce your foundational knowledge of FME Form

### FME Flow Fundamentals

Understand the core concepts, architecture, and user interface

### Workspace creation and execution

Build, schedule, and monitor FME Workspaces within the FME Flow environment

### Data Management and Publishing

Prepare data for FME Flow, publish and manage data resources

### Self-Serve and collaboration

Create user-friendly, self-service data portals, manage permissions, and foster collaboration

### Real-Time with FME Flow

Explore real-time data processing capabilities

### Message Streams

Utilize message streams for real-time data ingestion and processing

### Advanced Topics

Explore error handling, performance optimization, and integration with other FME tools

# FME Flow: Unlocking Enterprise Capabilities

## Key Benefits

### Comprehensive Learning

Gain a thorough understanding of FME Flow's capabilities and how to apply them

### Interactive Sessions

Engage in hands-on exercises that reinforce learning and practical application

### Best Practices

Focus on industry best practices to ensure efficient and effective use of FME Flow

### Expert Instruction

Learn from experienced instructors who provide insights and guidance tailored to your needs

## Course Prerequisites

Participants should have:

- Basic understanding of data manipulation and analysis concepts
- Experience with FME Form is mandatory

## Why Choose this Locus Course?

Locus manages and maintains all our course materials to ensure we are training on the latest techniques and versions of FME Flow. Our trainers are highly experienced professionals who consistently receive high praise for their engaging delivery style and the quality of the course content.

Our 2-day FME Flow training course is designed to equip your team with the knowledge and skills necessary to utilize FME Flow's enterprise capabilities. By focusing on best practices and practical applications, we ensure your staff can deploy, manage, and optimize data integration tasks with confidence and expertise.

**Duration:** 2 Days Virtual or Live-Trainer (or onsite on request)

**Trainer:** FME Certified Trainer with 5+ years' experience in the practical application of FME

**Course Materials:** Virtual environment, complimentary FME training license and FME training manual

## COURSE

# FME Integration Workshop: Accelerate Your Team's Skills

1  
Day

Enhance your team's capabilities with an intensive 1-day integration workshop, designed to fast-track your proficiency in critical areas. These highly interactive sessions focus on specific use cases tailored to your organisation or industry, providing practical solutions to real-world problems.

FME workshops ensure your team gains the expertise needed for immediate application. Join us for a masterclass in rapid skill acquisition and see immediate results.

## Key Benefits

### Tailored Content

Customized to address your organisation's specific needs and industry challenges

### Hands-On Learning

Practical, interactive sessions that engage participants with real-world scenarios

### Expert Guidance

Learn from an experienced professional who understands the intricacies of FME

### Immediate Application

Equip your team with skills that can be applied immediately to improve efficiency and problem-solving

## Why Choose this Workshop?

Our workshops are designed to be a shortcut to getting your team up and running quickly, minimizing the learning curve and maximizing productivity.

With a focus on solving specific problems and enhancing critical skills, your team will leave equipped and confident to tackle their tasks

**Duration:** 1 Day Virtual or Live-Trainer (or onsite on request)

**Trainer:** FME Certified Trainer with 5+ years' experience in the practical application of FME

**Course Materials:** Complimentary FME training licenses



## COURSE

# FME Hackathon: Real-Time Solutions for Organisational Challenges

1  
Day

The FME Hackathon is a dynamic, one-day workshop designed to empower organisations to address their unique data challenges through real-time problem-solving and learning.

Participants will bring their own datasets and specific problems, collaborating to develop innovative solutions using FME. This immersive hackathon provides an elevated learning experience, blending theoretical knowledge with practical application in a fast-paced, interactive environment.

## Key Benefits

### Tailored Content

Customized to address your organisation's specific needs and industry challenges

### Hands-On Learning

Practical, interactive sessions that engage participants with real-world scenarios

### Expert Guidance

Learn from an experienced FME professional who understands the intricacies of data manipulation and analysis

### Immediate Application

Equip your team with skills that can be applied immediately to improve efficiency and problem-solving

## Learning Objectives

By the end of this workshop, participants will be able to:

- Identify and articulate specific data-related problems within their organisation
- Utilize FME tools and techniques to manipulate, analyse, and visualize data
- Develop and implement real-time solutions
- Collaborate effectively in a team to solve complex data problems
- Clearly communicate and present the solutions and insights gained during the hackathon to stakeholders



# FME Hackathon: Real-Time Solutions for Organisational Challenges

## Course Prerequisites

Participants should have a basic understanding of data manipulation and analysis concepts  
Familiarity with FME software is desirable but not essential

## Course Format

The FME Hackathon is structured as a one-day intensive workshop, featuring:

- Overview of FME capabilities
- Team formation and problem statement development
- Initial data exploration and brainstorming sessions
- Intensive hands-on sessions for data manipulation and solution building
- Team collaboration and real-time troubleshooting
- Final presentation of solutions and feedback session



## Course Materials

Access to FME software and licenses for the duration of the hackathon

Sample datasets for practice (if participants do not bring their own data)

Post-event access to online resources and community support

**Duration:** 1 Day Virtual or Live-Trainer (or onsite on request)

**Trainer:** FME Certified Trainer with 5+ years' experience in the practical application of FME

**Course Materials:** Complimentary FME training licenses

## Unlock your FME potential with Locus

Get in touch today, and let's help you achieve your training goals  
[training@locus.co.nz](mailto:training@locus.co.nz)