Online FME Training

Modular Course Overview

Why Choose Online Training?

The challenge with traditional classroom training is that delegates frequently struggle to retain the huge amount of information that they absorb in one or two days. Instead, our training is delivered in bite-sized amounts that enables delegates to process the information far more effectively and so retain much more value.

The nature of the online training also means that delegates can dip in and out of the training to ensuring they only spend time learning what they need to, this is great for those coming back for a refresher session rather than learning from new.

Self-Paced Learning

Modules can be taken as and when your team need them.

Improved Retention

Taking a break between content allows more time to absorb and practise.

Same Delegate/Trainer Ratio

The same level of support as an in-person course.

Quicker & More Efficient Delivery

No travel, no additional expense, just the information you need.

Greatly Reduced Cost

The same content as on-site courses but at 50% of the cost.

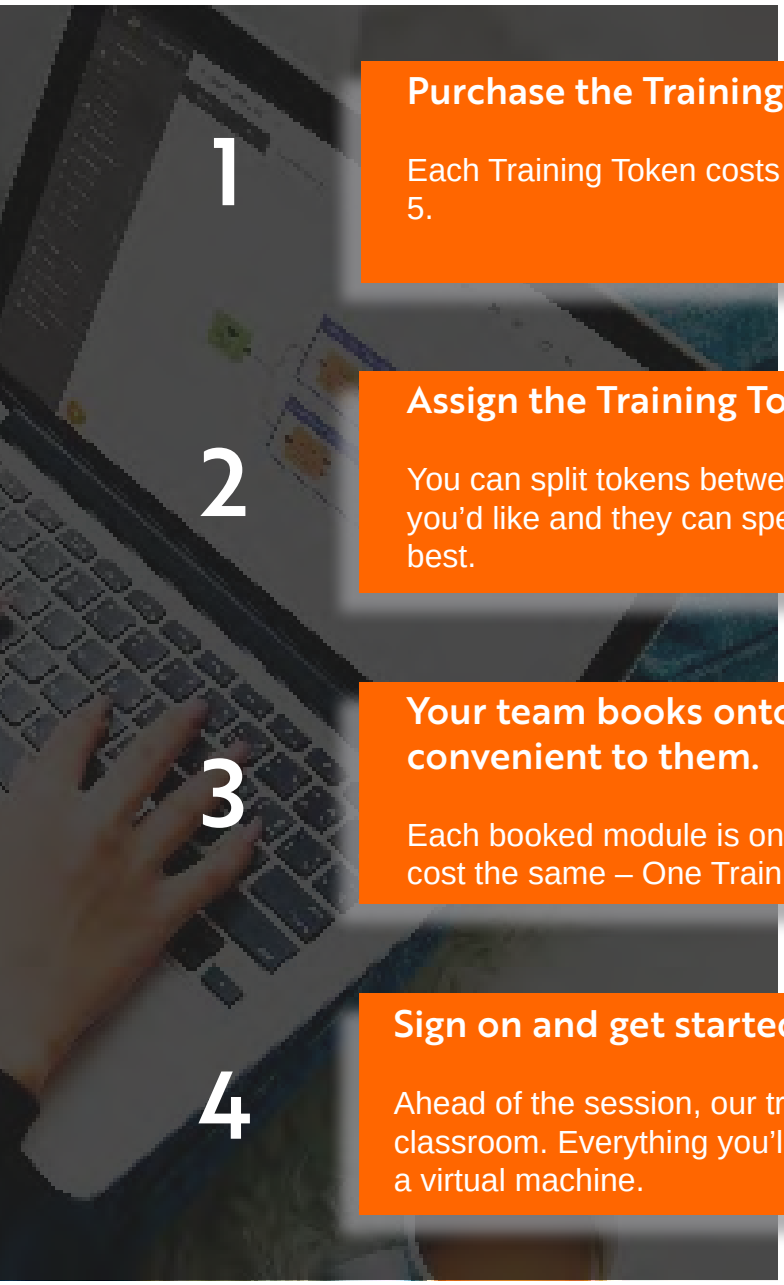
Customisable Course Configuration

Select modules relevant your role/organisation.

A Modular Approach

Our online FME Desktop and FME Server training courses deliver the same valuable content found at our in-person sessions, at the convenience of your desk. Broken down into modules, each has a central theme that combines trainer-led discussion with worked examples to show the how and why behind the software tools and processes. Our modules range from introductory to advanced, so there is something to learn for everyone.

Here's How It Works...



1

Purchase the Training Tokens you need

Each Training Token costs £150. They're purchased in bundles of 5.

2

Assign the Training Tokens to your team

You can split tokens between your team members in whatever way you'd like and they can spend them on the modules that suit them best.

3

Your team books onto the module sessions that are convenient to them.

Each booked module is one Training Token. All standard modules cost the same – One Training Token.

4

Sign on and get started!

Ahead of the session, our trainers will send you a link to our virtual classroom. Everything you'll need for the session is preloaded onto a virtual machine.

FME Desktop Basic Modules

Module	Description	Sample Topics & Exercises
Getting Started with FME	Ideal for people who are new to FME. Learn how to navigate the software and set up a basic workflow. Find out how FME handles different formats and learn some tips and tricks for data reading and writing. **Prerequisite Modules:** None	• User Interface navigation and overview of the software • How to find the right transformers • Reading and writing different formats • What are 'Feature Types' and how does this affect your workspace build **Exercise Example:** Build a flexible workspace that can handle changes in you data structure. The net result is your process needs no manual editing if the data is updated.
Managing and Filtering	In this module we go over the most commonly used transformers which you will use again and again. Learn how to transform existing attributes, create new attributes and split your data up into different streams using filters. Expand the capabilities of FME by learning about advanced feature handing techniques and learn how to identify the optimal transformer to use. **Prerequisite Modules:** Getting Started with FME	• Schema mapping – set the structure of your new dataset • Attribute manager – learn all the functionality of this powerful transformer, how to rename, update values, set conditional values, add or remove attributes • Adjacent feature handling (create new attributes using the rows above/below each feature) • Which type of tester to use and when **Exercise Example:** Build a workspace that creates new attributes and enriches your existing data to maximise the benefits the data can add to your business.
Spatial Data	FME was built to deal with the complexities of spatial data. Find out how FME can help you use and enrich your spatial data. Create new boundaries, measure the distance between different points and more. **Prerequisite Modules:** Getting Started with FME	• Find out how datasets geographically relate to each other – filter and join multiple spatial datasets • Overlay points and polygons – eg. find out how to count the number of incidents located in an area using geometry only • Neighbourfinder – eg. how can you assign people to their closest amenity? **Exercise Example:** Build a workspace which creates new boundaries for your operation.
Lists and Joins	Lists are a great way of assigning multiple values to a single attribute. Learn how and when to use lists in FME. Find out how joins can bring datasets together. Great when you have data held in multiple formats and applications. **Prerequisite Modules:** Getting Started with FME, Managing and Filtering	• What are lists and how do you create them in FME? • Merge datasets from different sources together • Learn about different join types (left, inner, full) – when should these be used and how will it affect your output? **Exercise Example:** Work out how many sites of interest are in each region. Create a list within FME to output this data for use by the public.
Workspace Best Practices	This module will make everyone's life easier. Learn how to effectively develop and maintain workspaces, as well as how to reduce frustration by debugging quickly. **Prerequisite Modules:** Getting Started with FME, at least 2 other modules	• Layout, annotation and bookmarks • Improving performance (speed up your workflows) • Learn how to build your workspace to minimise the risk of errors • Error trapping and Debugging **Exercise Example:** Take a workspace, track down the errors and apply best practice techniques to ensure that the workspace can be maintained and understood by anyone in your team (sharing is caring).

FME Desktop Advanced Modules

Module	Description	Sample Topics & Exercises
Advanced Attribute Handling & Advanced Reader and Writers	Firstly, we focus on using the core functionality of the FME Platform rather than traditional transformers. Using techniques such as Adjacent Features, Null Attribute Handling and Conditional Values; we'll show you how to create custom Attributes for your workflows. We'll also make use of more advanced readers and writers to create efficient workspaces that use data from online sources and complex data formats. Learn to implement Generic Readers and Writers to create flexible and agnostic workspaces. **Prerequisite Modules:** All FME Desktop Basic modules	• How to create and format new numeric and string attributes • In-built FME Functions to simplify workspaces • Creating new values for attributes based on a test condition • How we look at the attributes for prior and subsequent features • How to allow users to upload and create data in any data format with Generic Readers & Writers • Automatic vs Manual Schema Definitions • Seamlessly create multiple datasets from changing same source data using Fanouts **Exercise Example:** Create a workspace to translate Community Mapping data to a format of the end-user's choice and zip it.
Dynamic Translations & Parameter Use	An in depth look at how FME Desktop interacts with the structure of your data, Feature Types and Attributes. You will learn to create dynamic workspaces that can handle data in any format and a changing schema. Discover how FME Parameters directly control the translations in your workbench. They're ideal for creating user friendly workbenches that can be shared with non-native or less experienced FME users. **Prerequisite Modules:** All FME Desktop Basic modules & Advanced Readers and Writers	• How can I create a workspace for data that is constantly changing? • How to create a workspace that is truly flexible? • Using an external schema source to control the structure of the output data • How to best make use of the SchemaMapper transformer Control how much other users can alter your workspace • Managing private and published parameters • Best practices for sharing workspaces with non-technical users via Server Apps • Using python and Tcl to create new attributes at runtime **Exercise Example:** Build a workspace that creates a new dataset using a table-based schema and share it with non-technical members of your organisation.

FME Server Modules

Module	Description	Sample Topics & Exercises
Server Authoring: The Basics	Take a tour of FME Server's services and capabilities. Learn asbout the capabilities of FME Server and start publishing your workspaces straight away. **Prerequisite Modules:** All FME Desktop Basic modules	• FME Server Overview • How to publish to FME Server and run workspaces • How to schedule workspaces to run when you need them to • Source Data Management • An introduction to FME Server Admin (Users, roles & permissions) • Versioning **Exercise Example:** Create a production workspace to read and process departmental data and publish it centrally to FME Server.
Server Authoring: Automations and Notifications	The Automations and Notifications in FME server have never been better and more intuitive to use. This module helps you get the skills to leverage that power to make working with your data even easier. **Prerequisite Modules:** All FME Desktop Basic modules & Server Authoring: The Basics	• Automations • Triggers, Actions and External Actions (including Email) • Workspace chaining • Rest API • Further examples (Covid-19, FME Server playground) **Exercise Example:** Configure an Automation to watch a directory and notify users by email when a new file is uploaded.
Server Admin: The Basics	Go beyond just Starting, Stopping and Licensing to get a clear view of what's going on behind the scenes in FME Server. Learn how to set up, run and administer FME Server in an Enterprise environment providing a robust, available and available service to all your users. **Prerequisite Modules:** Getting started with FME	• FME Server Overview • How to publish workspaces on FME Server • Running workspaces on FME Server • Planning an FME Server Installation • Post-installation Connectivity and Configuration **Exercise Example:** Changing access to FME Server Interface to HTTPS.
Server Admin: Customisation and Maintenance	Now that you've installed FME Server, you need to know how to fully tailor it to your IT environment. This includes managing FME Servers day-to-day operations, as well as user management and permissions. We'll also cover planning for future upgrades and scalability. **Prerequisite Modules:** Server Admin: The Basics	• Migrations and Upgrades • User Administration & Active Directories • Job Scalability and Management • Customization and Monitoring • Troubleshooting **Exercise Example:** Perform Backup and Restore operations for an FME Server installation.