



Welcome to FME Server

Automate the Flow of Data Between Applications

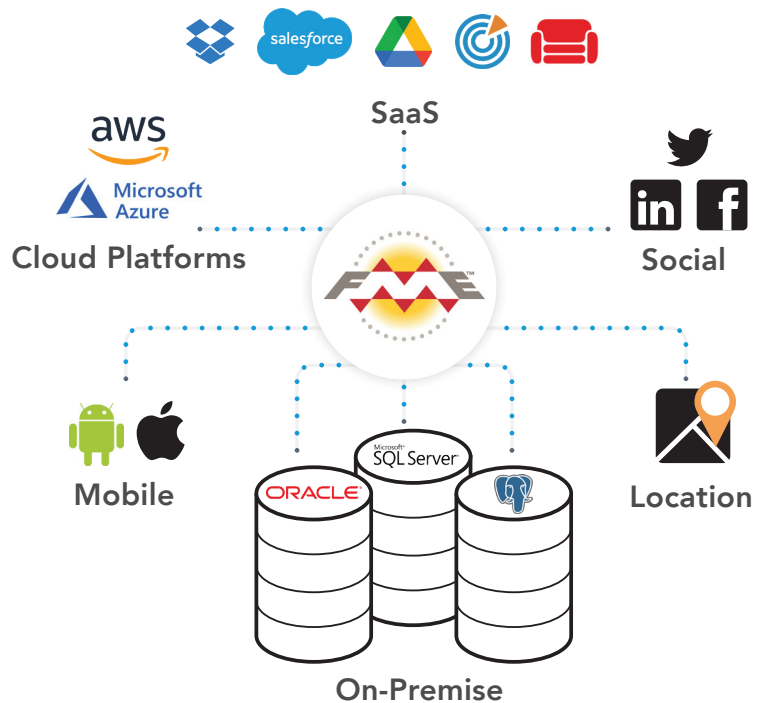
FME Server lets your organisation, whatever the size, address diverse spatial, and non-spatial, data requirements using a single enterprise solution. Design the workflow you want to automate in FME Desktop's drag-and-drop interface and then publish it to FME Server at the push of a button.

Providing a Service-Oriented Architecture (SOA), FME Server brings all the proficiency of the FME platform to a server environment, creating a full Extract, Transform, and Load (ETL) capability.

Server includes a REST API and supports common protocols such as email, SMS, WebSockets, JMS, and more. This all in addition to native support for hundreds of file formats and applications.

The capabilities of FME are presented through a number of interfaces, including the Notification Service, web-based services such as the Data Download service, and application interfaces, including the Web User Interface, FME Server Console and FME Workbench. Programmatic interfaces provide an extra layer of customization.

Through these interfaces, organisations can apply the power of FME at the organisation or web level.



FME Server has Three Core Capabilities Self-Serve, Real-Time, and Automation

SELF SERVE:

Create self-serve data portals that anyone, with or without a FME license can access. Share your projects across the web, integrate applications, build FME Server Apps and more!

REAL-TIME:

React to real-time events by carrying out immediate updates, and deliver instant notifications. Receive the most up-to-date information for business decision making.

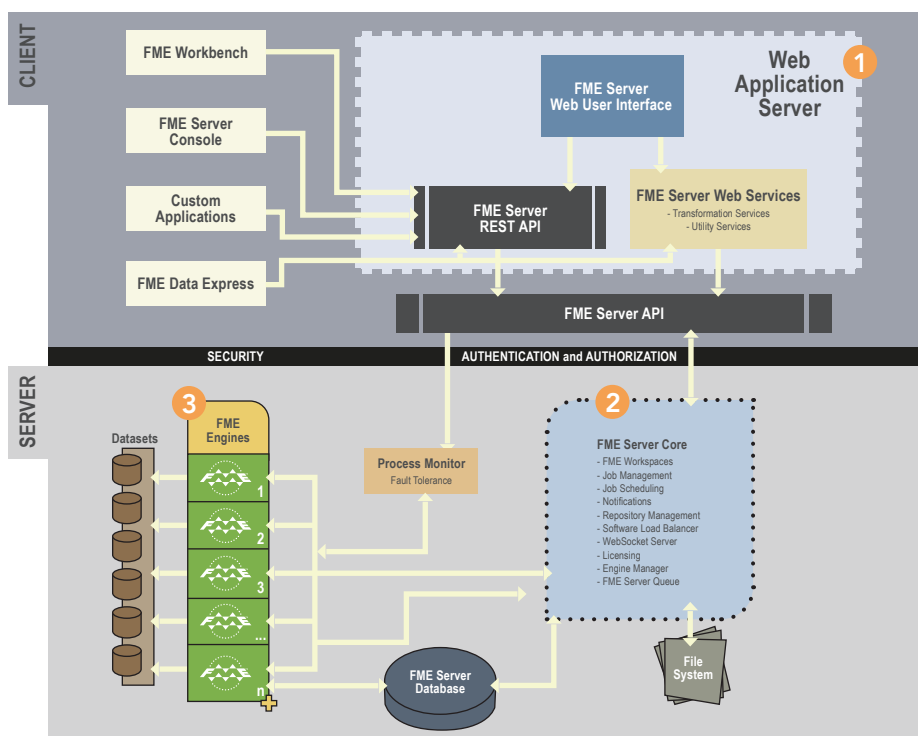
AUTOMATIONS:

Carry out data processing at a specific schedule, process data in real-time using event-based triggers and spontaneously move data through different systems and web services (including mobile platforms and devices)

Save time (and money) by harnessing the power of automated workflows.

FME Server Architecture

FME Server consists of a number of different components. The architecture of FME Server is a client-server model that looks something like this:



1 WEB APPLICATION SERVER

Undertakes data transformation processing. A Java Web Application Server is required in order to run the FME Server Web User Interface, FME Server Web Services and any other web clients.

2 FME SERVER CORE

Queue jobs, handle scheduling, and manage load balancing. Manages scheduling, repository contents (workspaces, custom formats, custom transformers, data), and handles notification requests.

3 FME ENGINES

To carry out data transformation processing. Process job requests by running FME Workspaces. Each FME Engine processes a single request at a time. FME Server processing can be scaled by adding FME Engines to the same computer or to separate computers within a distributed FME Server environment.

FME Server Deployment Options

◆ SELF HOSTED | LOCAL INFRASTRUCTURE

Install FME Server directly onto your own hardware. Option to install all required components on a single host machine (express installation) or across a network of hardware (distributed/fault-tolerant installation)

◆ VIRTUAL HARDWARE | INFRASTRUCTURE AS A SERVICE

Purchase FME Server and install on virtual hardware, for example AWS EC2, or Azure.

◆ FME CLOUD HOSTED | PLATFORM AS A SERVICE

Deploy FME Server in the cloud with FME Cloud. Platform provided by Locus in associated with Safe Software. Choose instance sizes, pay by the hour or on annual subscription.

Dynamic Engines

Perfect for projects that require extra processing power, Dynamic Engines have the same processing capabilities as (standard) FME Engines however they are licenced by CPU time (called credits) so rather than paying for a fixed licence per engine, you run on credits giving you the option to purchase additional FME Server processing power when you need it. One credit = one hour of CPU time and then you only pay for the CPU time the engines spends running the job. To learn more about Dynamic Engines, chat to Locus.

Stay connected by moving data via web, email and mobile.



MANUAL OUT – AUTOMATION IN

Eliminate repetitive manual data processing with automated workflows. Process data in real-time using event based triggers, create schedules to run workflows and process real-time streaming data.



DATA SECURITY:

The privacy and security of data has never been more important. With FME Server you can complete tasks in a secure system in accordance with data governance policies, keeping track of where data is and how it's being used.



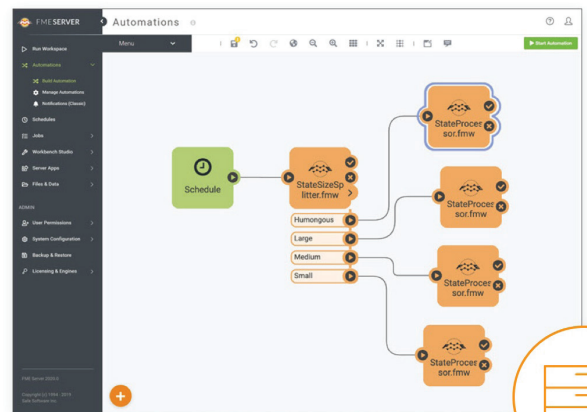
DATA FOR EVERYONE:

With a single license you can support multiple users via the web and create self-service portals that anyone with or without a license can access. Create and share projects, integrate applications to deliver consistency across data sets.



BETTER DATA-BASED DECISIONS:

Well-organised, up-to-date, validated and reliable data enables informed decision making. That's good for you, and good for business!



Top 5 Ways Locus and FME Can Help Your Company

- 1 Strategic Advice:** Using proven data integration best practices Locus will work to understand your business, maximise knowledge transfer and deliver real, measurable performance gains.
- 2 FME Licence Sales, Support and Service:** Take a 30 day free FME trial (includes complimentary Locus support!) and discover the data integration platform with the best support for spatial data worldwide.
- 3 Technical Support:** An FME deployment approach that aligns with your business strategy and identifies future growth opportunities.
- 4 FME Training:** Build internal capability and maximise your ROI with an FME Certified training course.
- 5 Bespoke Consultancy & Project Support:** Locus can be on-site with you, remote or as needed whether it be big data project support or day-to-day data wrangling.

FME Server Roles:

- AUTHOR:** Creates translations (workspaces) using FME Desktop and publishes them to FME Server for use by end-users.
- USER:** Anybody who has a requirement to access data using an FME Server service.
- DEVELOPER:** FME Server can be used as the back-end to power other software applications. A developer (in FME Server terms) is someone who creates applications that submit jobs to FME Server and then handle the results.
- ADMINISTRATOR:** Responsible for installing and maintaining FME Server (and its related services).

Top Feature

The **FME Server Data Streaming Service** accepts and carries out transformation requests as specified by a workspace, returning the results as a **data stream**, instead of providing a link to it.



FME FAQs

DO I NEED FME DESKTOP?

Yes, in order to run FME Server, you need FME Desktop. Users create workspaces in FME Desktop's authoring environment. They can be run in FME Desktop, or for enhanced automation can be published to FME Server, which you host on-premises on your own server.

WHY CHOOSE FME SERVER?

FME Server provides enterprise automation for your desktop workflows and allows users to easily share data. It is scalable, and grows as demands on the system increase. It also processes data using predefined workflows identified in FME Desktop making it simple to convert a desktop process to one usable by a client anywhere. Engines are the power behind FME Server and process jobs one-at-a-time. If multiple jobs exist, they either queue up behind the single engine or get distributed across multiple engines for simultaneous processing power.

"FME together with the support of Locus has improved our business productivity and capability greatly. We have been able to automate some of our large reporting jobs which used to take days and now only take a matter of minutes. We have a far deeper understanding of our data and can use those insights in ways that were just not possible prior to FME."

— **Amit Bhandari**
GIS Analyst, Alpine Energy



WHAT IS THE FME PRICING MODEL AND HOW DO I BUY?

FME software is supported on Windows 64-bit, Windows 32-bit, macOS and Linux 64-bit and is available through a number of different licensing editions and models to meet your individual or organisational needs. FME pricing is published on our website at <https://locusglobal.com>. For more information contact Locus at hello@locus.co.nz.

DO YOU HAVE A FREE TRIAL AVAILABLE FOR FME?

Download a free trial of FME Desktop and FME Server from the Locus website – <https://locusglobal.com>. Get started with FME Desktop and integrate your data without the need for any coding then extend your FME capabilities with FME Server. Install FME Server on your own server by choosing an on-premises deployment (FME Server), or deploy it in the cloud with FME Cloud (and take advantage of a \$250 free credit).

LOCUS | Who We Are and What We Do

Locus is a data integration solution and technology provider for New Zealand and Australia.

In business, we all need data to make informed decisions.

But it's much more than that; we need to be able to rely on the quality and integrity of that data and to have the confidence to know that the dataset is complete and up-to-date.

Locus has been empowering businesses to better data-based decision making for more than 15 years. As a Safe Software Platinum Partner and Value-Added Reseller, we specialise in the supply, delivery and support of FME software; the data integration platform with the best support for spatial data, worldwide.

Offering data solutions, consulting and training services to a range of commercial and Government organisations, we can be on-site, remote or as needed. Our team have the knowledge and expertise to support you in transforming the way you work with data. Learn more at www.locusglobal.com.

The Leadership Team



John Arnerich
Group Director



Ruby Donaldson
Business Development Director
Australia and New Zealand

" Our data integration platform of choice is FME. We believe it's all that you need to transform the way you work with data. At Locus, we like to think we're more than just tech. We're a small team of engaged, skilled professionals based in New Zealand and Australia who love nothing more than seeing an organisation succeed with data."

— **John Arnerich**
Group Director, Locus



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