

FME Server



EXPERIENCE THE FREEDOM OF EFFICIENT SPATIAL DATA ACCESS

FME Server is a scalable and efficient spatial ETL solution that provides users with access to spatial data - where, when and how they need it.

Answering the Demand for Better Spatial Data Access

Addressing the demand for spatial data can be daunting. Your organization faces many challenges, from never-ending requests for custom spatial data views, to exponential increases in spatial data volumes, and the surging interest in spatial data from new user communities. In an era of "do more with less", how will your team manage this ever-increasing pressure for better spatial data access?

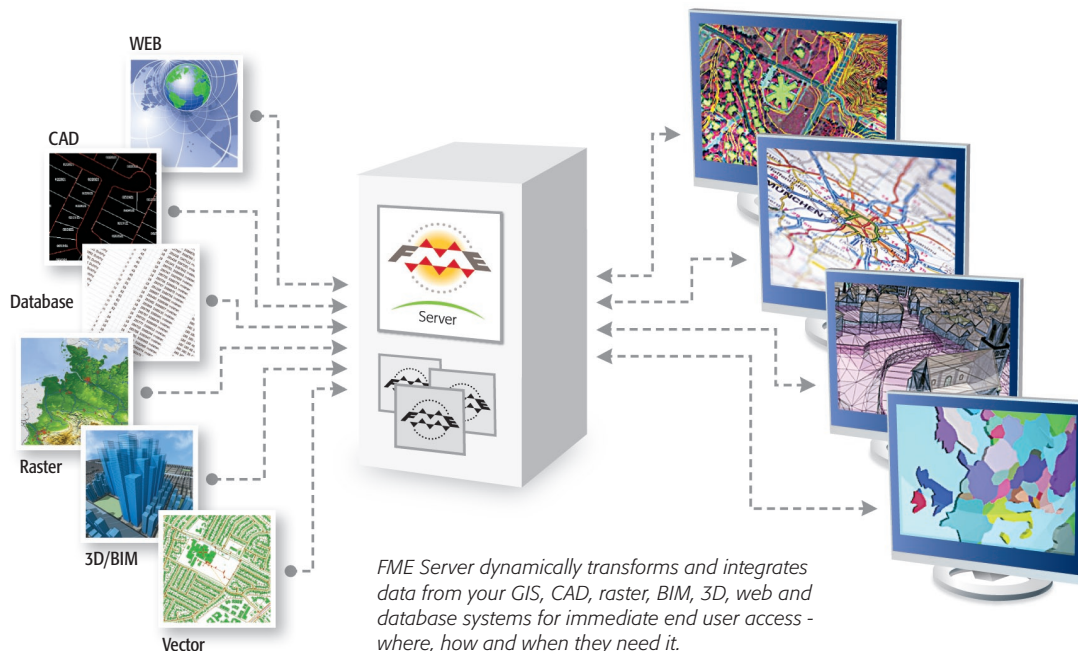
FME Server is an efficient solution that enables efficient spatial data access by users both inside and outside your organization. Built on a scalable, services-oriented architecture, FME Server centralizes spatial data transformation and distribution tasks to reduce dependence on your department and increase end user autonomy.

Spatial ETL

Extract, transform and load location data from and to virtually any format or application.

With FME Server, your department can:

- **DISTRIBUTE** spatial data over the web
- **TRANSFORM** large volumes of spatial data
- **SHARE** spatial ETL tasks across the organization



FME Server dynamically transforms and integrates data from your GIS, CAD, raster, BIM, 3D, web and database systems for immediate end user access - where, how and when they need it.

DISTRIBUTE Spatial Data over the Web

Satisfying users' demands for spatial data doesn't need to over-extend your already stretched team. With FME Server, you can provide users both inside and outside your organization with instant access to the spatial data they need - without increasing your department's workload.

FME Server can dynamically transform and integrate data on-the-fly in hundreds of GIS, CAD, raster, BIM, 3D and web formats for efficient distribution via the web. It can also extract and distribute data from spatial databases.

FME Server's real-time data remodelling capabilities eliminate the need to physically integrate data into a unified schema. Data is dynamically transformed and presented based on individual user requests. With FME Server, your end users benefit from immediate access to custom views of spatial data, while your team benefits from more free time to focus on other strategic GIS initiatives.

Designed with flexibility in mind, FME Server can distribute spatial data as a streaming service or a download service so you can empower end users with access to data where, how and when they need it.

SPATIAL DATA DOWNLOAD

With FME Server, you can create an online spatial data download service to efficiently meet the needs of CAD and GIS Professionals – while still maintaining control over the data access options available to these users. Using a web browser, data consumers request spatial data in the format and projection of their choice. FME Server quickly makes the resulting data set available for download. Clip, zip and ship – it's that easy.

For rapid deployment requirements, FME Server offers an optional spatial data download application, SpatialDirect. Both Java and C++ API's are also included for easy integration with your current web environment, including 3rd party web mapping applications, such as:

- Autodesk MapGuide®
- ESRI ArcGIS® Server
- ESRI ArcIMS®
- Intergraph GeoMedia® WebMap
- MapInfo MapXtreme®

SPATIAL DATA STREAMING

With FME Server, you can dynamically transform spatial data into web-friendly formats like GeoRSS, KML (Google Earth), and GeoJSON, as well as popular raster formats, such as PNG, GIF, TIFF, and JPEG. The resulting data set can then be tightly integrated as a streaming data service into your mashups and web applications so end users have immediate access to the most current spatial data. FME Server supports the output formats required by many web mapping services and applications, for example:

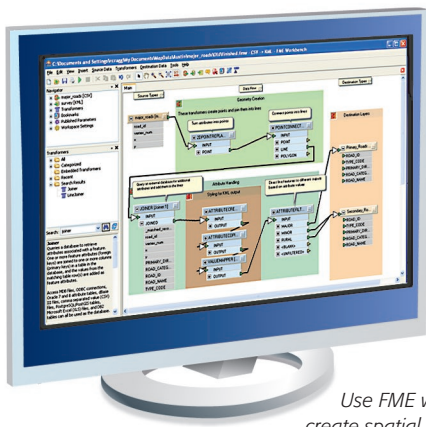
- ESRI ArcGIS® Server
- Google™ Earth
- Google™ Maps
- Microsoft® Virtual Earth™
- OpenLayers

"FME Server's dynamic data transformation capabilities will enable us to more efficiently offer unique ways of distributing our voluminous and varied forms of spatial data both internally within our organization and externally to our disperse and diverse sets of users."

Gavin Park
GeoInformation Specialist
Infoterra Ltd.

TRANSFORM Large Volumes of Spatial Data

Efficiency is critical to the success of every data conversion project. Processing spatial ETL jobs doesn't need to overload your team's bandwidth or your systems. Based on a scalable, services-oriented architecture (SOA) using standards such as XML and GML, FME Server provides high throughput data conversion capabilities. With built-in load balancing, FME Server automatically allocates data translation, transformation and integration tasks across multiple FME engines, enabling your team to efficiently run large spatial ETL jobs in parallel. In case of system interruptions, FME Server tracks all data transformation requests to ensure efficient job recovery. As user demand grows, you can deploy additional FME engines to increase processing power.



Use FME workbench to create spatial data flows to translate, transform and integrate data in hundreds of formats.

SHARE Common Spatial ETL Tasks across the Organization

Responsibility for running common FME processing tasks doesn't have to reside solely in your department. FME Server provides an efficient solution for sharing the power of FME's data conversion capabilities more broadly across the organization, but still ensuring your team maintains control over the spatial ETL process. FME workspaces can be published directly to FME Server so CAD, GIS and other professionals throughout your organization can access and run them right over the web.

Publish your FME spatial data flows to FME Server to share the power of spatial ETL throughout your organization and beyond.



Spotlight on Spatial Data Infrastructures

With the increasing pressure to share spatial data assets both within and across organizational boundaries, Spatial Data Infrastructure (SDI) initiatives are emerging around the globe. Designed for efficient spatial data delivery, FME Server offers a scalable foundation for SDIs, providing project members with a cost-effective way to exchange and share their spatial data assets.

FME Server's non-intrusive approach enables members to provide different user communities with unique views of their spatial data while eliminating the often expensive and time-consuming task of first transforming and integrating the data into a common data model and schema. Data contributors simply make their spatial data available to FME Server so it can be automatically transformed into the community-accepted data model and then federated on-the-fly based on individual users' requests. This efficient and cost-effective approach enables contributors to maintain ownership of their data models, while participating in SDI initiatives.

To learn more about FME and SDI's, please visit www.safe.com/sdi.

CREATE SPATIAL DATA FLOWS WITH FME WORKBENCH

Available in FME Desktop, FME Workbench is the spatial ETL authoring environment for FME Server. Workbench enables users to quickly create spatial data flows to translate, transform and integrate data in hundreds of formats. These "workspaces" can be instantly published to FME Server so your organization can reap the benefits of bringing the power of spatial ETL to an enterprise level.

To learn more about FME Workbench, please visit www.safe.com/workbench.

About Safe Software

Safe Software powers the flow of spatial data with its software platform, FME. The recognized standard in spatial ETL (extract, transform and load), FME is the only complete solution for data conversion. It delivers the most extensive format support for data translation and integration, and provides unlimited flexibility in data model transformation and distribution. For more information, visit www.safe.com.

Spotlight on Spatial Data Quality Assurance

With the ever-increasing reliance on spatial data in the decision making process, data quality is critical. FME Server adds an extra level of assurance for organizations that need to collect and load spatial data from multiple contributors. You can use FME Server to create a web-based data quality service that enables data contributors to quickly perform geometric and attribute quality checks on spatial data. This ensures that only the highest quality data is loaded into your spatial databases.

To learn more about FME and spatial data quality assurance, please visit www.safe.com/qa.

Why FME Server?

Built on the scalable, time-proven FME platform, FME Server is a low-risk solution for addressing spatial data access challenges. With FME Server, your organization can experience the benefits of:

- **Increased productivity:** Streamlining spatial data access across your organization enables your end users to focus on decision making, not data hunting.
- **Improved efficiency:** Faster processing of spatial ETL jobs and a broader distribution of common FME tasks frees your department to focus on meeting other critical needs.
- **Reduced costs:** Enabling on-the-fly data transformation over the web, as well as replacing paper-laden spatial data delivery processes cuts operational costs.
- **Increased return on investment:** Broader access to spatial data maximizes the investments you've already made in acquiring your spatial data and leverages the time you've already invested in creating spatial data flows using FME Desktop.

Experience the Power of FME Server

FME Server brings scalable and efficient spatial data access to your organization. To request a personalized web demonstration, email us at sales@safe.com.

Get Expert FME Service and Support

Whether your team needs expert deployment advice, hands-on training, or technical support, Safe Software's Professional Services team is here to help. Committed to helping your organization succeed in getting the most value out of FME, the team is comprised of individuals chosen for their in-depth knowledge as well as extensive practical experience in information technology and spatial data management.

FME Server includes an annual maintenance contract (AMC) so your organization can take full advantage of your FME investment. AMC includes free technical support and software updates for the first year.

For more information, please visit www.safe.com/fmeexpertservice.

Network with FME Users

Safe Software's user wiki, fmepedia, and Google™ group, FME Talk, offer direct access to technical resources and community assistance. These community sites help ensure that your team gets the most out of your FME investment.

To access these resources, please visit www.safe.com/fmecomunity.