What's Great in FME 2009

Greater Speed, More Features, Unparalleled Productivity.

Increase your productivity using FME 2009. You'll discover greater speed and scalability, enhanced usability, and even more capabilities that translate to faster data manipulations for you and your team.

Performance Improvements

FME has been supercharged! The new suped up FME engine improves the performance of hundreds of functions that FME carries out across all areas – raster conversion, polygon clipping, transformers, and more – by an average of 20%. We directed many of these improvements at areas that you, our customers requested.

The FME engine you've come to count on for converting your spatial data is now even better optimized for processing complex conversions on large volumes of data. We've enhanced its memory management architecture and carefully analyzed the core so that each and every bit of data moving through FME will do so more quickly than ever before. All of these enhancements mean more speed for your data conversion processes – be them straight forward or complex, especially when working with larger datasets. But the best way to find out how much faster FME 2009 will be for you is to try it out on your own data conversions. Some run over 20 times faster!

An Even Better FME Workbench Experience

A lot of work has gone into improving the FME Workbench user interface experience. Many of the settings boxes have been revamped, more features support drag-and-drop, many windows can be resized, and more – there are too many gems to mention them all!

But one that can't go without saying is the new Quick Connect feature that allows you to click the output port, release the mouse button, and then click the input port to make the connection. You can also use the Control key to connect multiple input and output ports. Using this new feature with the pan tool, you no longer need to zoom out when making connections which span the entire workspace.

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Faster Raster Conversions

FME's raster-based capabilities have been improved for efficiency, making many raster data conversions faster. Additionally, you can now use a Visualizer to send raster data to the Universal Viewer, saving you even more time while developing your workspace.

Source Feature Type Editing

When authoring a workspace, you can now edit the definition of a source file. This means you can create workspaces without having access to the source file, as long as you know its schema. This feature is turned off by default for protection against accidental use.
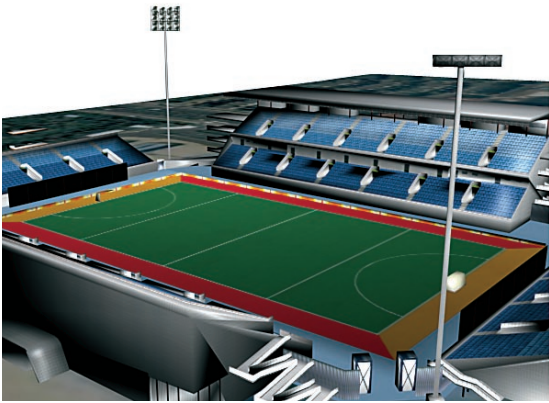
More Ways to Transform Your Data

FME 2009 contains a whole new deck of transformers, including the RasterExpressionEvaluator, the Decelerator, and a set specifically designed for handling XML data.

Conversion Results via Email Notification

No more waiting for your data conversion process to complete. Now you can set FME Server to send an email when the job has finished processing. And don't worry about the dataset's size – the email contains a link, not an attachment.

New Formats

- Adobe Geospatial PDF
- Australian Asset Design & As Constructed (ADAC)
- ESRI ArcGIS Image Server
- Autodesk 3ds
- CityGML 0.4
- CityGML 1.0
- ER Mapper ERS
- GPS eXchange
- IBM Informix
- IBM Informix Spatial
- Maptech BSB Nautical Chart
- Wavefront OBJ
- OpenStreetMap (OSM) XML
- Shuttle Radar Topography Mission Height (SRTM HGT)

FME users can now consume and contribute to the vast 3D content that is available using the common OBJ format. This 3D rendering of an Olympic stadium in Beijing China is taken from an OBJ that was translated using FME.

Generic Writer: Even More Flexibility

The Generic Writer has been enhanced to support changing data source schemas at runtime. This means that you can now use a single workspace to translate various files of the same format – but which have different schemas – into any of the 200+ formats that FME supports. You can also publish a workspace with one source dataset to FME Server, allowing end users to access any subset of your data and output it into their desired format.

New FME Server Administration Tools

As an FME Server administrator, you now have many more capabilities at your fingertips for managing your jobs and productivity. You can now:

- Access listings of spatial ETL jobs according to their status: completed, scheduled, and in the queue

- Cancel queued-up jobs as required

- Choose from a wider range of servlet engines and operating systems (see the lists to the right)

- Run FME Server engines on any supported operating system, regardless of the operating system you've chosen for your FME Server installation

- Set rules that manage which engine is selected to run a specific type or size of spatial ETL task to most effectively manage FME Server's productivity

Support for More 3D Formats

FME 2009 expands on FME's support for 3D data, which already includes Adobe 3D PDF, IFC, and LandXML. The new release introduces read and write capabilities for the universal 3D format Wavefront OBJ, the new official OGC standard CityGML 1.0 plus the commonly used CityGML 0.4, and write support for Autodesk 3ds. To continue improving the preservation of 3D data fidelity during translation, FME 2009 also now supports texture coordinates, vertex normals, and native support for transformation matrixes, which contribute to preserving data fidelity during translation.

Flexible System Support from FME Server

FME Server now supports many more operating systems and servlet engines to easily integrate into your current environment.
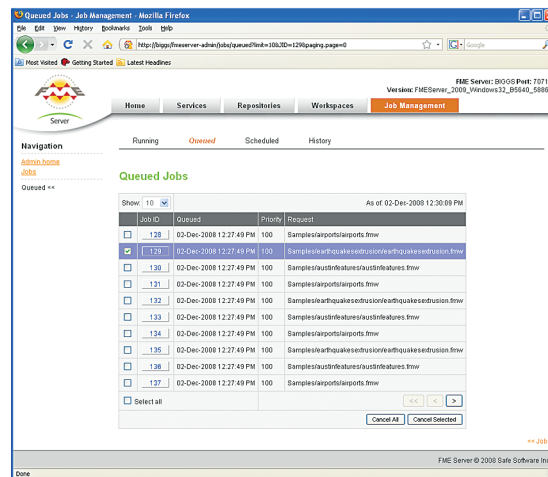
Support now includes:

- Apache Tomcat
- Oracle App Server
- JBoss
- IBM WebSphere
- Servlet Exec

- Windows 32
- Windows 64
- Linux 32
- Linux 64
- UNIX (Solaris)

FME Server administrators can now see jobs that are in the queue, and choose to cancel them before they run.

Updated Formats

- Autodesk AutoCAD DWG/DXF
- Autodesk AutoCAD Map 3D Object Data
- ESRI Geodatabase
- ESRI Shape
- GeoJSON
- GeoTIFF
- MapInfo TAB
- Microsoft Access
- Microsoft SQL Server
- Bentley MicroStation Design
- MySQL
- OpenGIS KML
- Oracle
- SQLite
- USGSDEM

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*.