

New in FME 2025



LOCUS

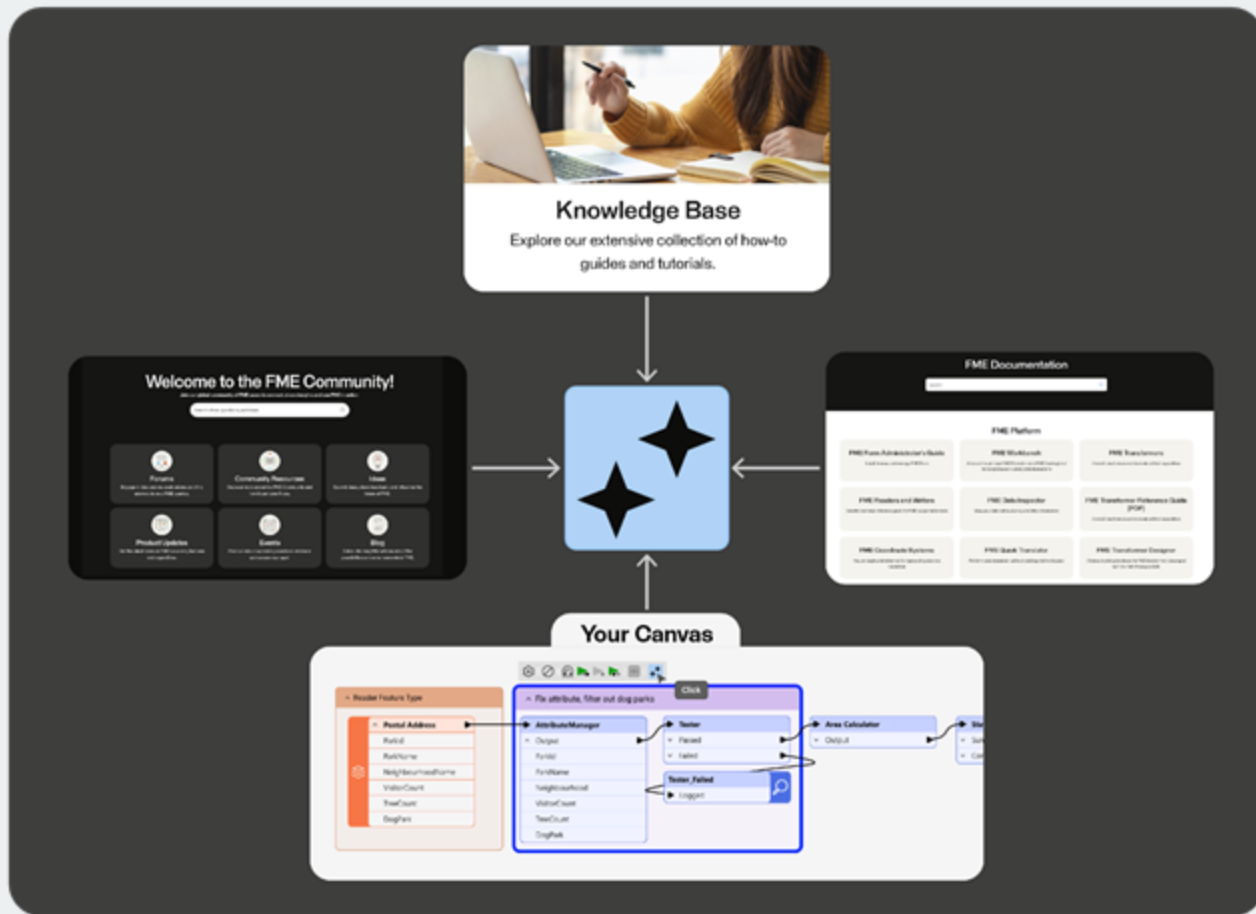


AI-Assist



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none2none.fmw - NONE → NONE - FME Workbench 2025.1

194%

demis-salo-software

jerri...

Navigator

- Transformers (2)
- Bookmarks
- User Parameters
- FME Flow Parameters
- Deployment Parameters
- Web Connections (1)
 - jenna.kim Google Calen...
- Workspace Resources
- Workspace Parameters
- Workspace Search...

Start Main

Creator

Created

HTTPCaller

Input

Output

<Rejected>

AI Assist

History New Chat

AI Assist

Your everyday FME companion

Feature Information Visual Preview Translation Log

Display Control

- View (1)
- HTTPCaller: Out... (1)
- PNGRASTER: 962...

HTTPCaller: Output

connection_instance	response_body	http_status_code
1	0/4...	100

Columns...

in any column

HTTPCaller [HTTPCaller]

Select objects on canvas and click  for context

Ask me anything about FME



AI Assist

1. Source attribution links
2. Conversation history
3. Canvas awareness
4. Actions on Canvas

Document PDF Writer



PDF Tools Today:

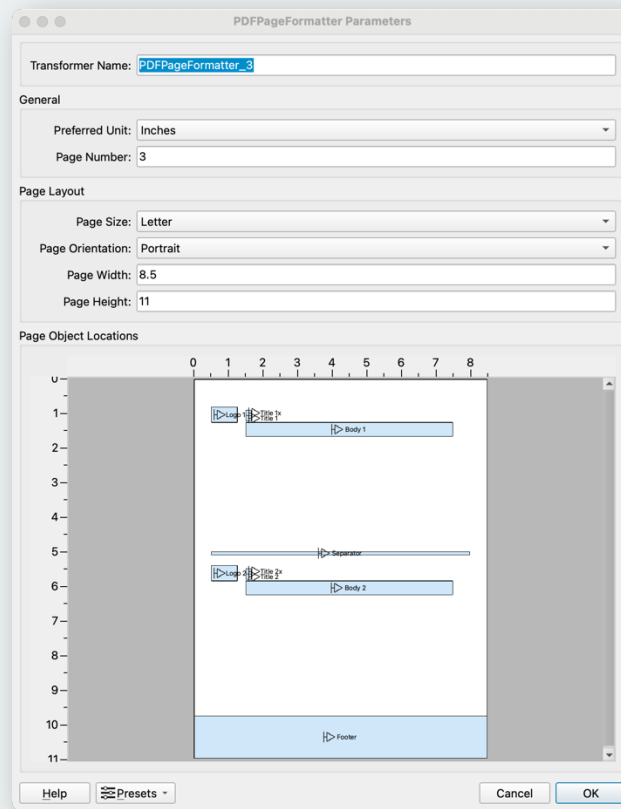
Strong for Maps, Tough for Reports

Current State

- Designed for creating geospatial content (e.g. maps).
- Designed to give users full control over element placement.

Key Challenges

- Very difficult to create reports or text-heavy documents.
- No intuitive path for dynamic, data-driven PDF creation (tables, images, headers, footers).



— Existing PDF Layout Control Using PDFPageFormatter —



FME Customer Stories

...made just for you!

Hi Chris!

Companies of all industries around the world are using FME to help solve their data challenges. Here is a handpicked list of some of the top customer stories that can tell you more about how FME was used to help power the flow of data.

What is FME?

FME (aka, Feature Manipulation Engine) is the data integration platform with the best support for spatial data worldwide. It has built-in support for hundreds of formats and applications as well as transformation tools, allowing users to build and automate custom integration workflows without having to code.



Vancouver International Airport (YVR)

The Vancouver International Airport (YVR) wanted to provide passengers with indoor mapping data via their mobile app.

Using FME, they combined source data from Maximo with CAD. The FME workspaces standardized and performed quality assurance and validation checks (QA/QC) before converting the data into an ArcSDE GIS database.

They published FME workspaces to FME Server to nightly filter, convert, and aggregate floor spaces into new datasets (ArcSDE) that only contain public spaces of the airport, and convert this dataset into GeoJSON for delivery into the YVR Digital Gateway, an enterprise service bus deployed on the Microsoft Azure cloud platform. This dataset is then used for the creation of three final products: the 3D interactive indoor map in their app, an AVF(now IMDF) dataset they submitted to Apple, and a leaflet indoor basemap for yvr.ca.

YVR is one of the first to provide its indoor mapping data to Apple Maps, and its GIS team has proven their innovation by providing a variety of ways to navigate the public indoor spaces of the airport using digital technology.

Vancouver International Airport, Canada, serves over 22 million passengers per year, and has won the SKYTRAX Best Airport in North America award for eight years running.



New Document PDF Writer

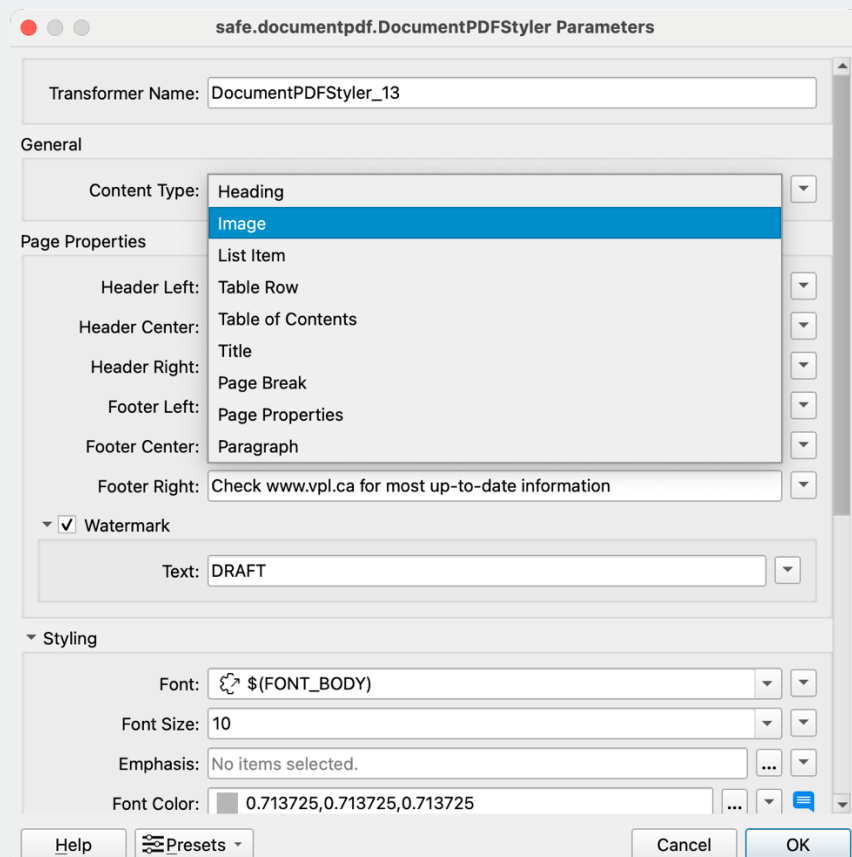


— Bonus! New Word Reader —

Document PDF Styler

Prepares features for output to PDF:

- Table of Contents
- Headings & paragraphs
- Images & Tables
- Page Numbers
- Headers & Footers
- Watermarks



Public Libraries of Vancouver

A Document PDF Demo
for
2025 FME User Conference

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Introduction

Brief History of Public Libraries in Canada

Public libraries in Canada have a history rooted in the ideals of education, community service, and access to knowledge. The first public library in Canada was established in **Saint John, New Brunswick, in 1883**, followed closely by other cities. Many early libraries were built with the help of **Andrew Carnegie**, the American philanthropist who funded over **100 Carnegie libraries** across Canada in the early 20th century.

Before this, access to books was mostly limited to subscription libraries or private collections. As Canada urbanized and literacy rates grew, communities began advocating for **free and public access** to books and information. Provincial governments began supporting library development, especially after World War I, and by the mid-20th century, most provinces had established library legislation and funding models.

Today, public libraries are found in cities, towns, and rural communities across the country. They have evolved into vibrant community hubs, offering not just books, but also digital resources, technology access, educational programs, and social services. Public libraries in Canada continue to uphold their mission of being **free, inclusive, and accessible spaces for all**.

Public Libraries in Vancouver

The Vancouver Public Library (VPL) has a long and dynamic history that mirrors the growth of the city itself. Vancouver's first official library began in 1887, just one year after the city was incorporated. Initially housed in the Y.M.C.A. on Hastings Street, the collection was modest but marked the beginning of what would become a vital civic institution. In 1903, with funding from Andrew Carnegie, a dedicated library building was constructed at the **corner of Hastings and Main Streets**. This Carnegie Library not only served as the city's central library for decades but still

stands today as the *Carnegie Centre*, continuing to serve the Downtown Eastside community.

As Vancouver expanded through the 20th century, so did the library system. New branch libraries opened in various neighborhoods to meet the needs of a growing and increasingly diverse population. Notable branches such as Kitsilano (1927) and Kerrisdale (1943) became integral parts of their communities. The library's services grew to include **multilingual collections**, **children's programming**, and **community events**, reflecting the changing demographics and interests of Vancouver residents.

A major milestone in VPL's history came in 1995 with the opening of the current Central Library in downtown Vancouver. Located at **350 West Georgia Street**, the new Central Library is a striking architectural landmark designed by renowned architect Moshe Safdie in collaboration with DA Architects. Inspired by the Roman Colosseum, the building features nine stories of reading and research spaces, meeting rooms, public art installations, and a rooftop garden that opened to the public in 2018.

In recent years, the Vancouver Public Library has embraced innovation and inclusivity. The system now offers more than 20 branches across the city and provides a *wide range of modern services* including **digital lending**, **technology and internet access**, **creative and maker spaces**, and **programs supporting lifelong learning**, **job readiness**, and **newcomer integration**. The VPL has also taken meaningful steps toward equity and reconciliation with Indigenous communities. Today, it stands as one of Canada's largest and most progressive public library systems, welcoming *millions* of visitors each year both in person and online.

Britannia Library



Vancouver Public Library Britannia

1661 Napier St, Vancouver

Located inside the Britannia Centre just off Commercial Drive and Napier Street. You will need to walk about half a block in from the street to see the building, which is at the South East corner of the complex.

	Hours
Monday	9:30 am – 8:00 pm
Tuesday	9:30 am – 8:00 pm
Wednesday	9:30 am – 8:00 pm
Thursday	9:30 am – 6:00 pm
Friday	9:30 am – 6:00 pm
Saturday	9:30 am – 5:00 pm
Sunday	9:30 am – 5:00 pm

Upcoming Closures

- Friday, April 18, 2025 (Good Friday)
- Monday, April 21, 2025 (Easter Monday)
- Monday, May 19, 2025 (Victoria Day)
- Tuesday, July 1, 2025 (Canada Day)

Carnegie Library



Vancouver Public Library Carnegie

401 Main St. Vancouver

Located in the Carnegie Centre on the corner of Main Street and Hastings Street. Book return is available from 9 am - 11pm, Seven days a week.

	Hours
Monday	9:30 am – 8:00 pm
Tuesday	9:30 am – 8:00 pm
Wednesday	9:30 am – 8:00 pm
Thursday	9:30 am – 8:00 pm
Friday	9:30 am – 6:00 pm
Saturday	9:30 am – 5:00 pm
Sunday	9:30 am – 5:00 pm

Upcoming Closures

- No upcoming closures (Open seven days a week)

6

Check www.vpl.ca for most up-to-date information

Central Branch Library



Vancouver Public Library Central Branch

350 W Georgia St. Vancouver

Located in Library Square which occupies a full city block: bounded by Homer, Hamilton, Robson and Georgia Streets.

	Hours
Monday	9:30 am – 8:30 pm
Tuesday	9:30 am – 8:30 pm
Wednesday	9:30 am – 8:30 pm
Thursday	9:30 am – 8:30 pm
Friday	9:30 am – 6:00 pm
Saturday	10:00 am – 6:00 pm
Sunday	11:00 am – 6:00 pm

Upcoming Closures

- Friday, April 18, 2025 (Good Friday)
- Monday, April 21, 2025 (Easter Monday)
- Monday, May 19, 2025 (Victoria Day)
- Tuesday, July 1, 2025 (Canada Day)

7

Check www.vpl.ca for most up-to-date information

South Hill Library



<https://www.vpl.ca/location/south-hill-branch>

Vancouver Public Library South Hill

6076 Fraser St, Vancouver

Located on Fraser Street at East 45th Avenue.

Hours

Monday	9:30 am – 6:00 pm
Tuesday	9:30 am – 8:00 pm
Wednesday	9:30 am – 6:00 pm
Thursday	9:30 am – 8:00 pm
Friday	9:30 am – 6:00 pm
Saturday	9:30 am – 5:00 pm
Sunday	9:30 am – 5:00 pm

Upcoming Closures

- Friday, April 18, 2025 (Good Friday)
- Monday, April 21, 2025 (Easter Monday)
- Monday, May 19, 2025 (Victoria Day)
- Tuesday, July 1, 2025 (Canada Day)

22

Check www.vpl.ca for most up-to-date information

Terry Salman Library



Vancouver Public Library Terry Salman

4575 Clancy Loranger Way, Vancouver

Located inside the Hillcrest Community Centre on Clancy Loranger Way.

Hours

Monday	9:30 am – 8:00 pm
Tuesday	9:30 am – 8:00 pm
Wednesday	9:30 am – 8:00 pm
Thursday	9:30 am – 8:00 pm
Friday	9:30 am – 8:00 pm
Saturday	9:30 am – 5:00 pm
Sunday	9:30 am – 5:00 pm

Upcoming Closures

- Friday, April 18, 2025 (Good Friday)
- Monday, April 21, 2025 (Easter Monday)
- Monday, May 19, 2025 (Victoria Day)
- Tuesday, July 1, 2025 (Canada Day)

23

Check www.vpl.ca for most up-to-date information

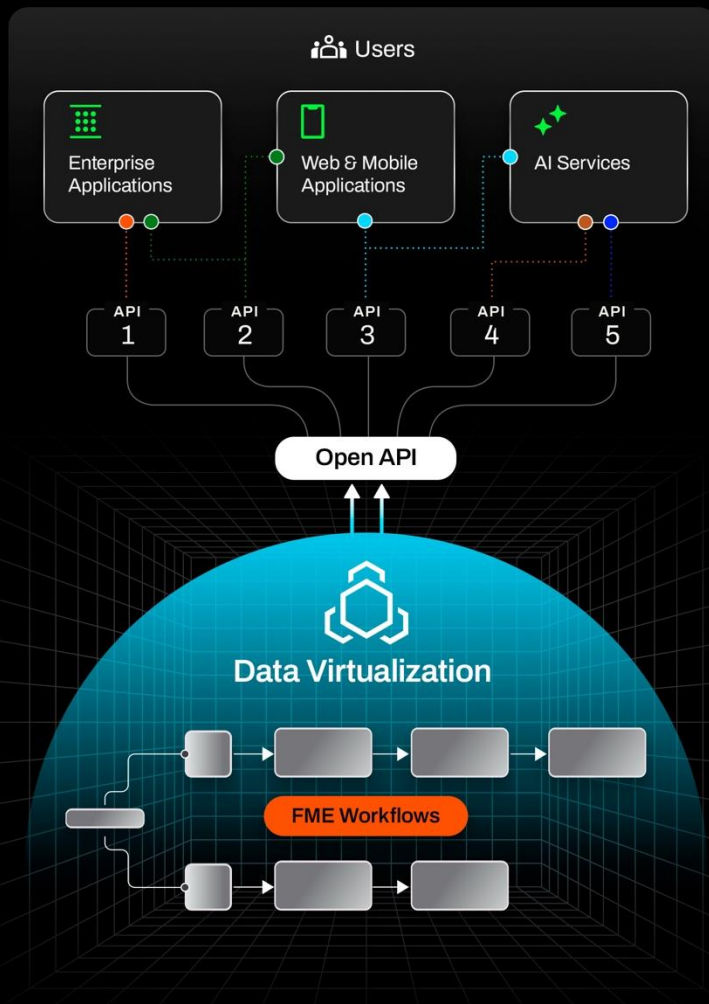


Data Virtualization



Bring the Power of the FME
All-Data, Any-AI
to Any Application.





Key Benefits

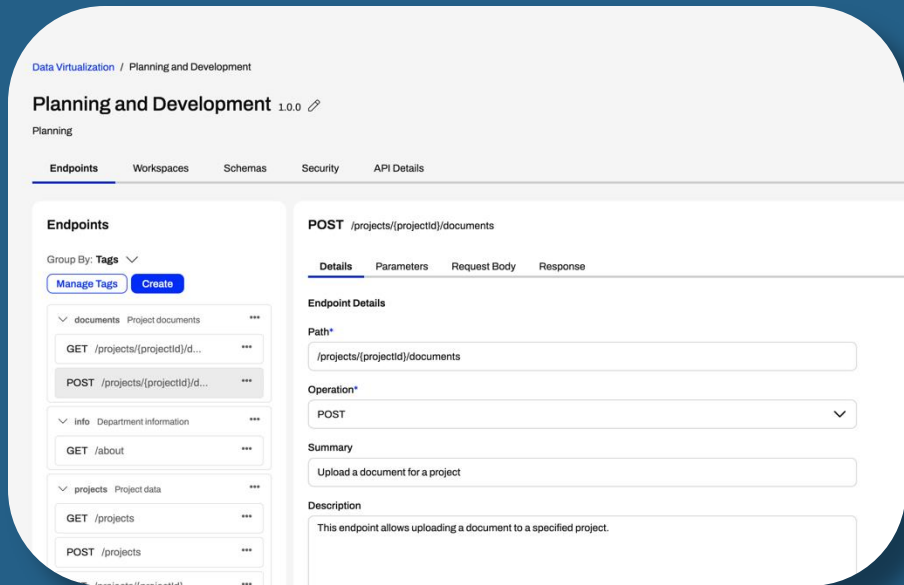
Simplified Data Access, Not Limited to Read-Only

Streamlined Innovation

Increased Data Trust and Control

Real-Time Access Without Replication

Key Capabilities



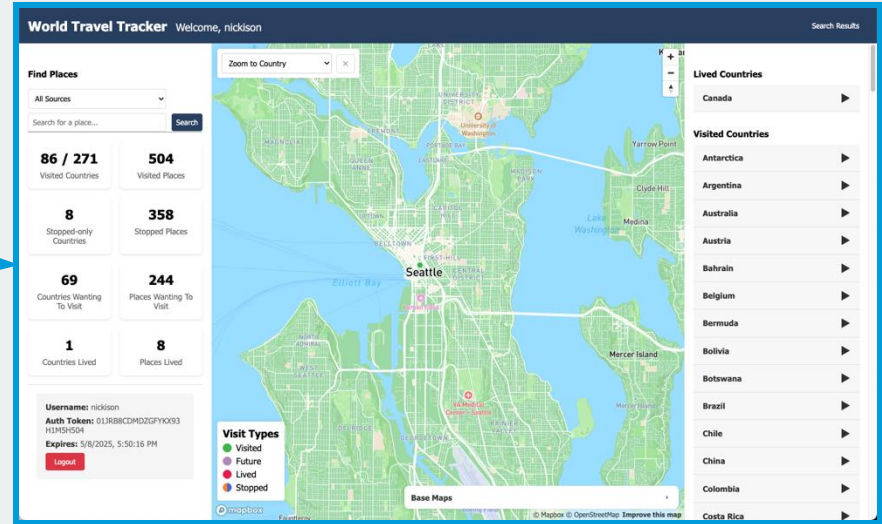
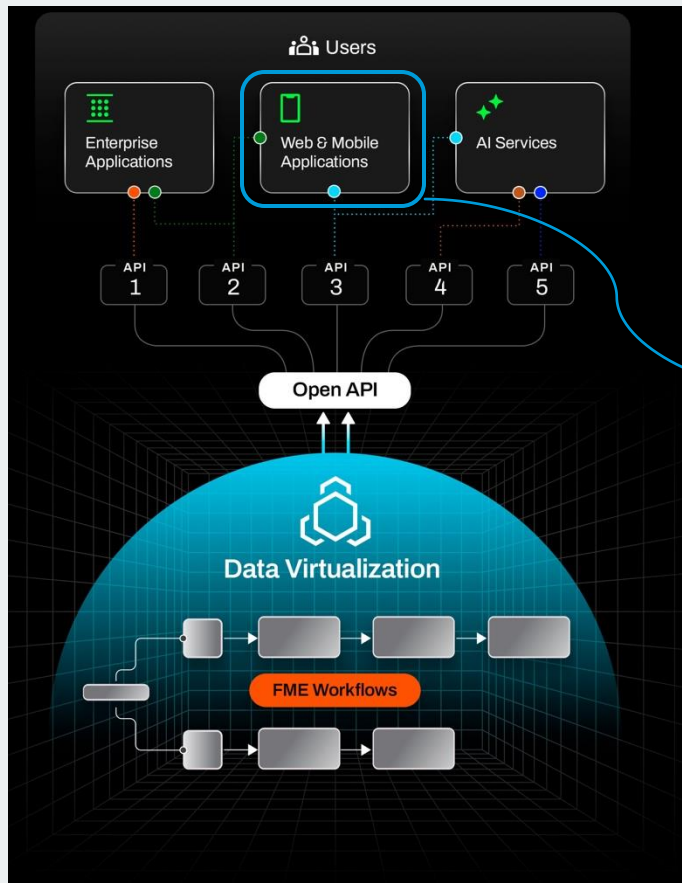
Data Virtualization in FME Flow

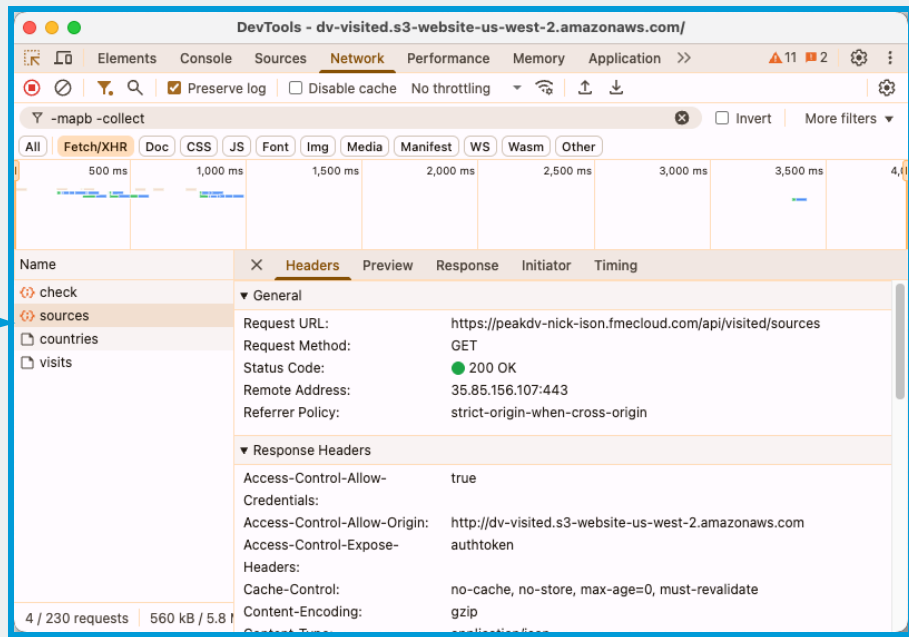
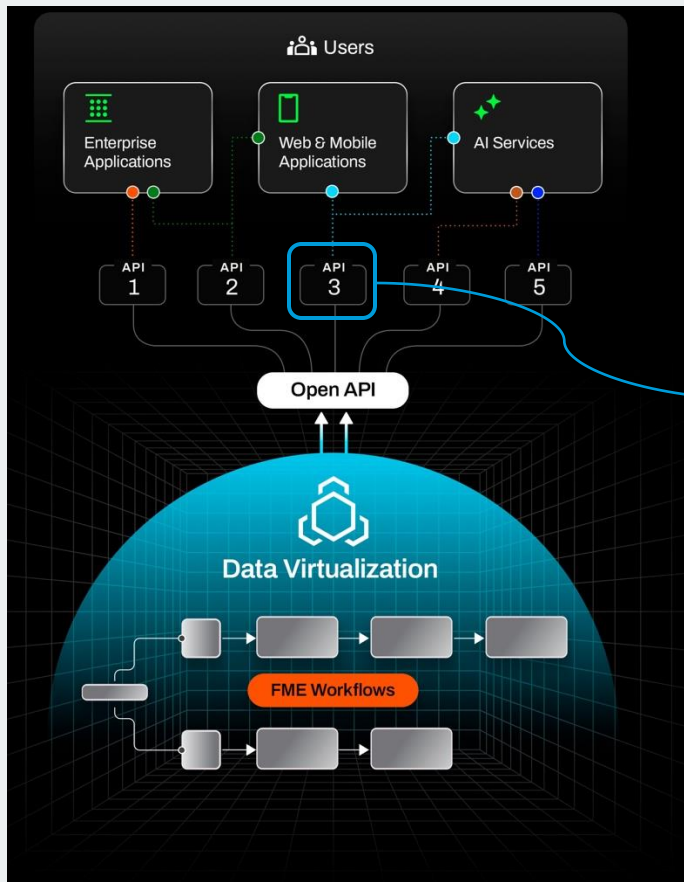
Create Custom Views of Data

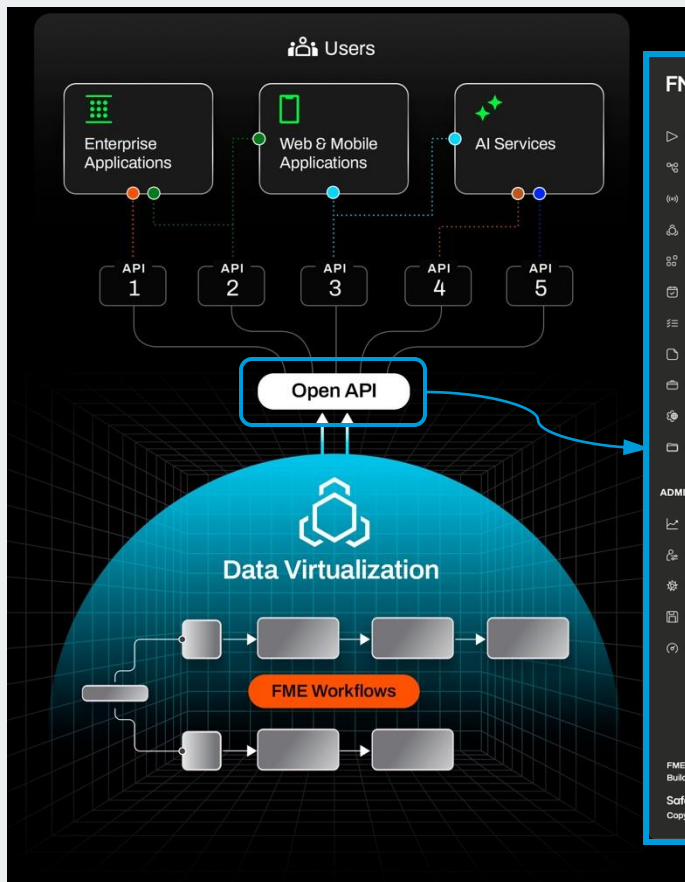
Caching

Asynchronous Processing

AI-Ready OpenAPI Endpoints







The screenshot displays the FME Flow web interface for configuring the 'Visited Places' API endpoint. The interface is divided into a left sidebar and a main content area.

Left Sidebar:

- Run Workspace
- Automations
- Streams
- Data Virtualization
- Flow Apps
- Schedules
- Jobs
- Workspaces
- Projects
- Connections & Parameters
- Resources
- ADMIN
 - Analytics
 - User Management
 - System Configuration
 - Backup & Restore
 - Engine Management

Main Content Area:

Visited Places 1.0.0

Endpoints

Group By: Tags

Endpoints List:

- Locations
 - POST /search
- Login
- Meta
- Visits
 - POST /visit
 - POST /visit/custom
 - DELETE /visit/visit_id**
 - GET /visits

DELETE /visit/visit_id

Details Parameters Response

Path Parameters

Path parameters added via {} in the Details tab will appear here

NAME	TYPE	DESCRIPTION
visit_id	Number	Id of the Visit needing to be removed

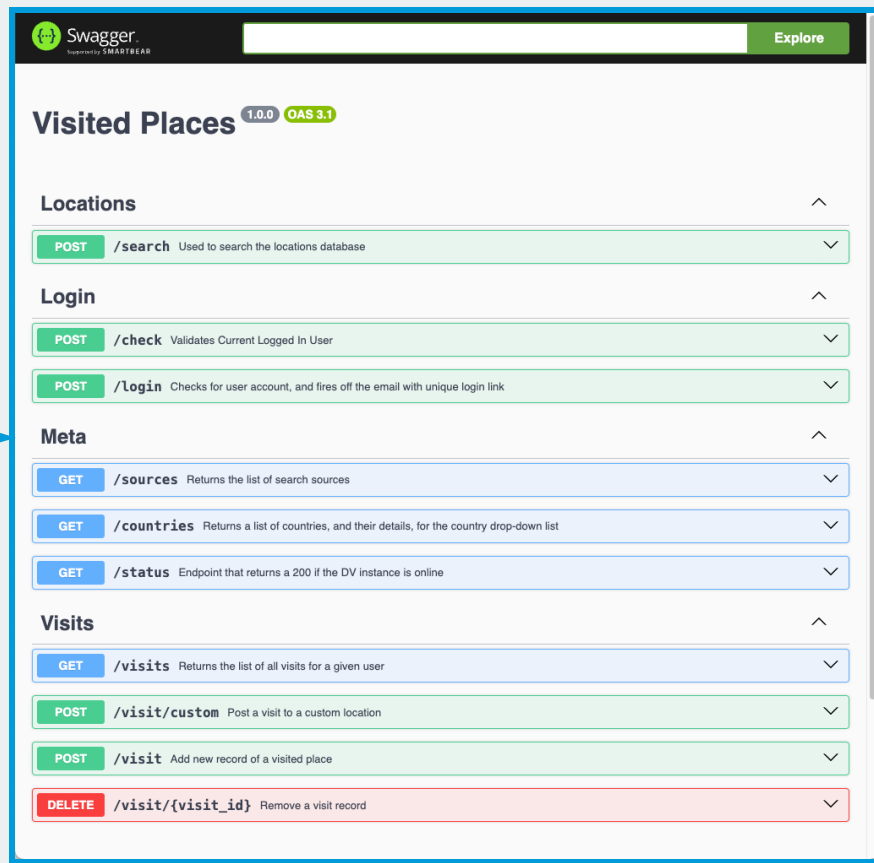
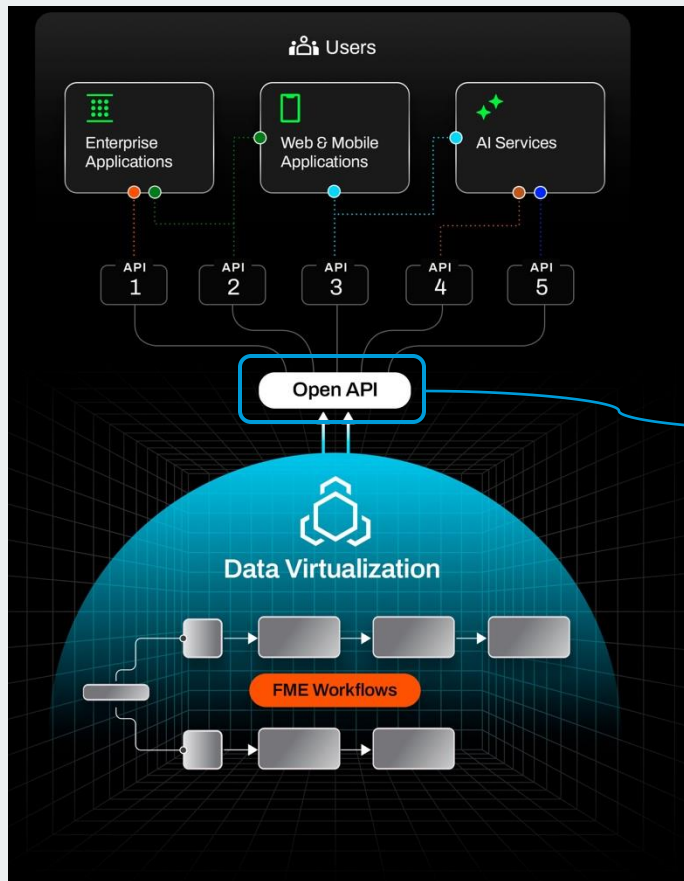
Query Parameters

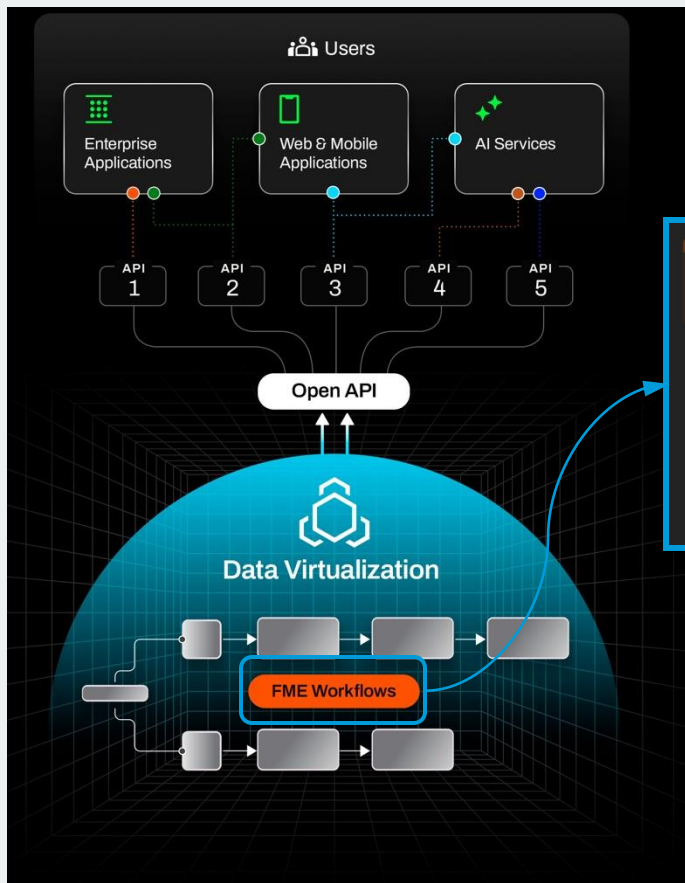
You don't have any query parameters

Header Parameters

NAME	DESCRIPTION	REQUIRED
authToken	Validate User Token	☒

FME Flow 2025.1
Build 25516 - linux-x64
Safe Software
Copyright (c) 1994 - 2025 | Legal







Introducing

FME Realize

A New Way to Experience
Your Data



FME Realize:

Augmented reality for the FME Platform

- **See, understand, and interact** *with your data in the real world.*
- *Powered entirely by* **FME Form and FME Flow.**
- **FME Realize** *completes the FME Spatial Computing Platform.*



Author
with FME Form.



Deliver
with FME Flow.



Experience
with FME Realize.



Take any data



Transform
in FME Form



Publish
to FME Flow



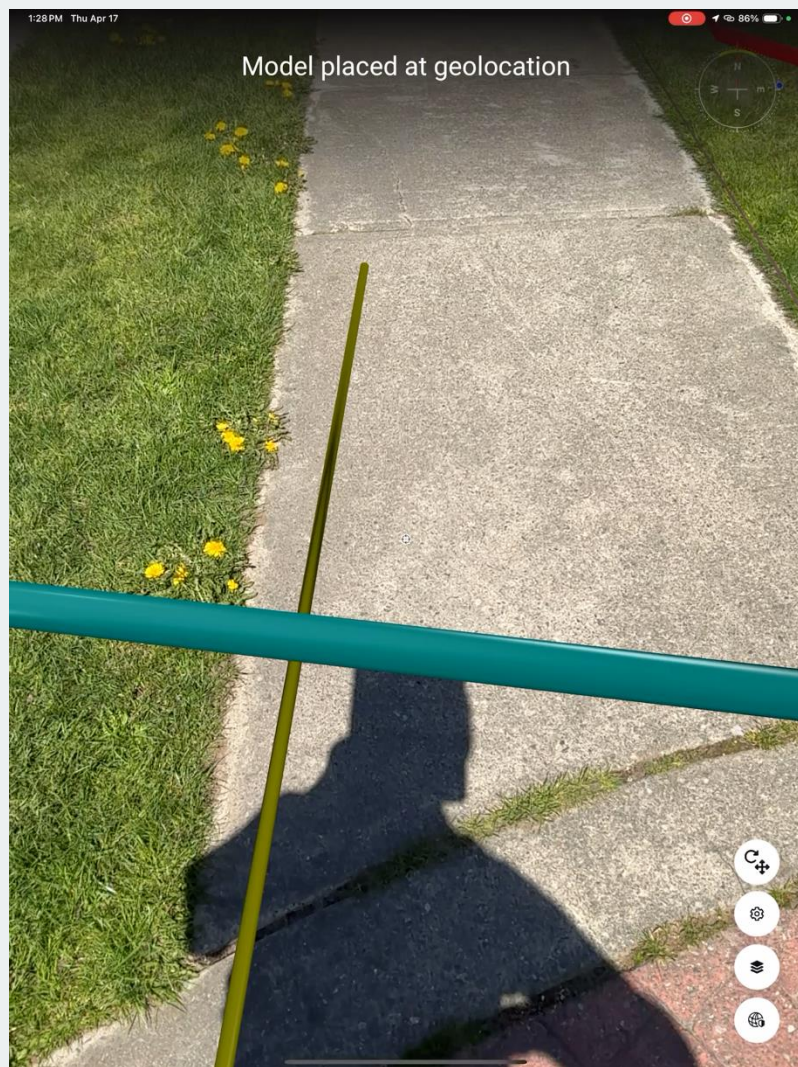
Experience
in FME Realize

From Data to Experience

- Model Adjustment (*seen in the video*)
- Use aerial/satellite imagery for model placement
- AR for Spatial Quality Control
- AR for Attribute-based Quality Assurance



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Beyond what comes in the Box

*From here, it's up to you —
your data, your workflows,
your imagination.*

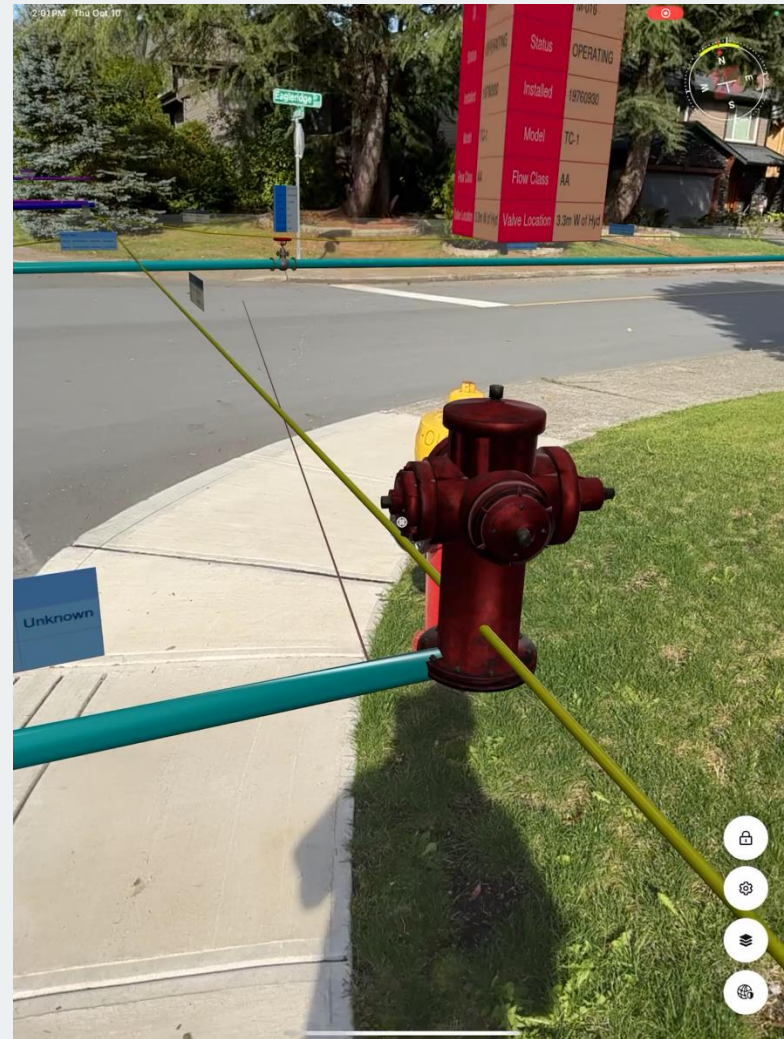


HTML Modal

- Customize your Experiences
- View Attributes
- Your Static Pages
- External Static Pages
- Connect to IoT Devices
- System Integration (*seen in the video*)
- AI + Audio Notes
- AI-based QA for Smarter Data Validation
- Field Notes, Sketches, & AI – All in One Workflow



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Feature	Release Date
PDF Document Writer	Available now FME 2025.0
AI Assist	Available now FME 2025.1 beta
Multi Language Support	Available now FME 2025.1 beta
Any AI Highlight	Available now FME 2025.0
Snowflake Remote Engines Service	Coming Soon Snowflake Marketplace
Data Virtualization	Available now FME 2025.1 beta
FME Realize	Available now FME 2025.1 beta

In today's world you need **choice**.

Safe Software

Strive to give you more choice than anyone.





The Future?



— Development Scheduled —



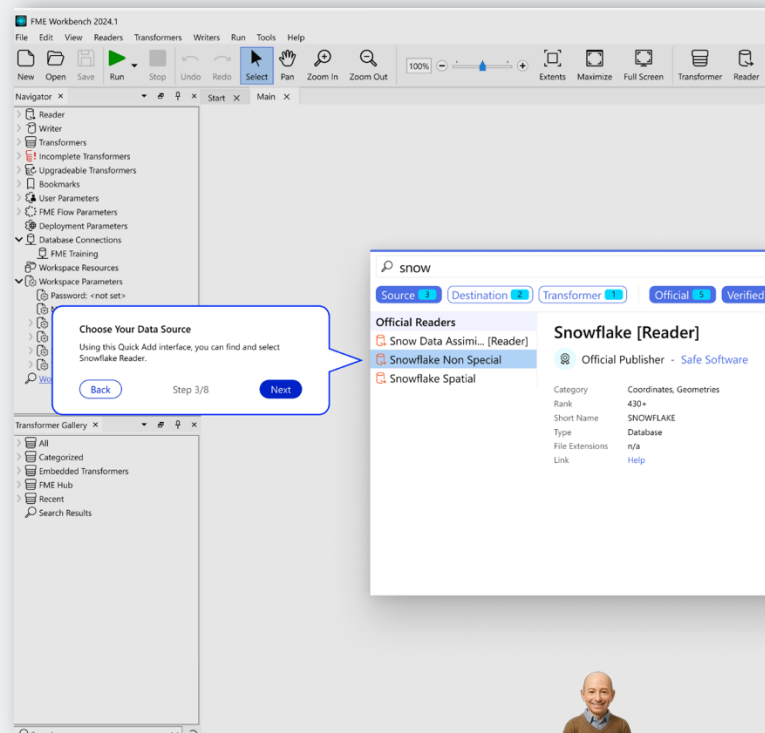
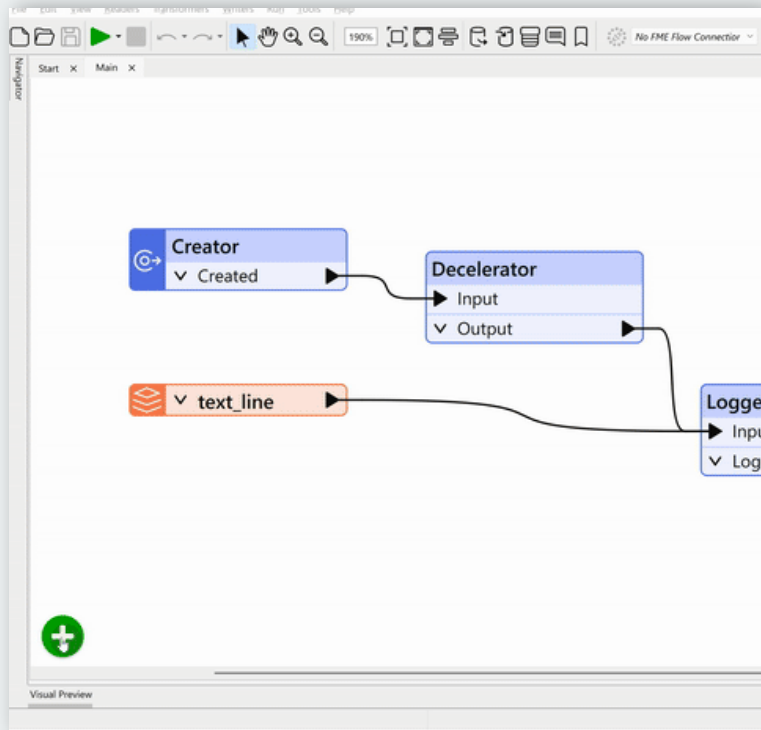
— In Evaluation —

FME Product Vision

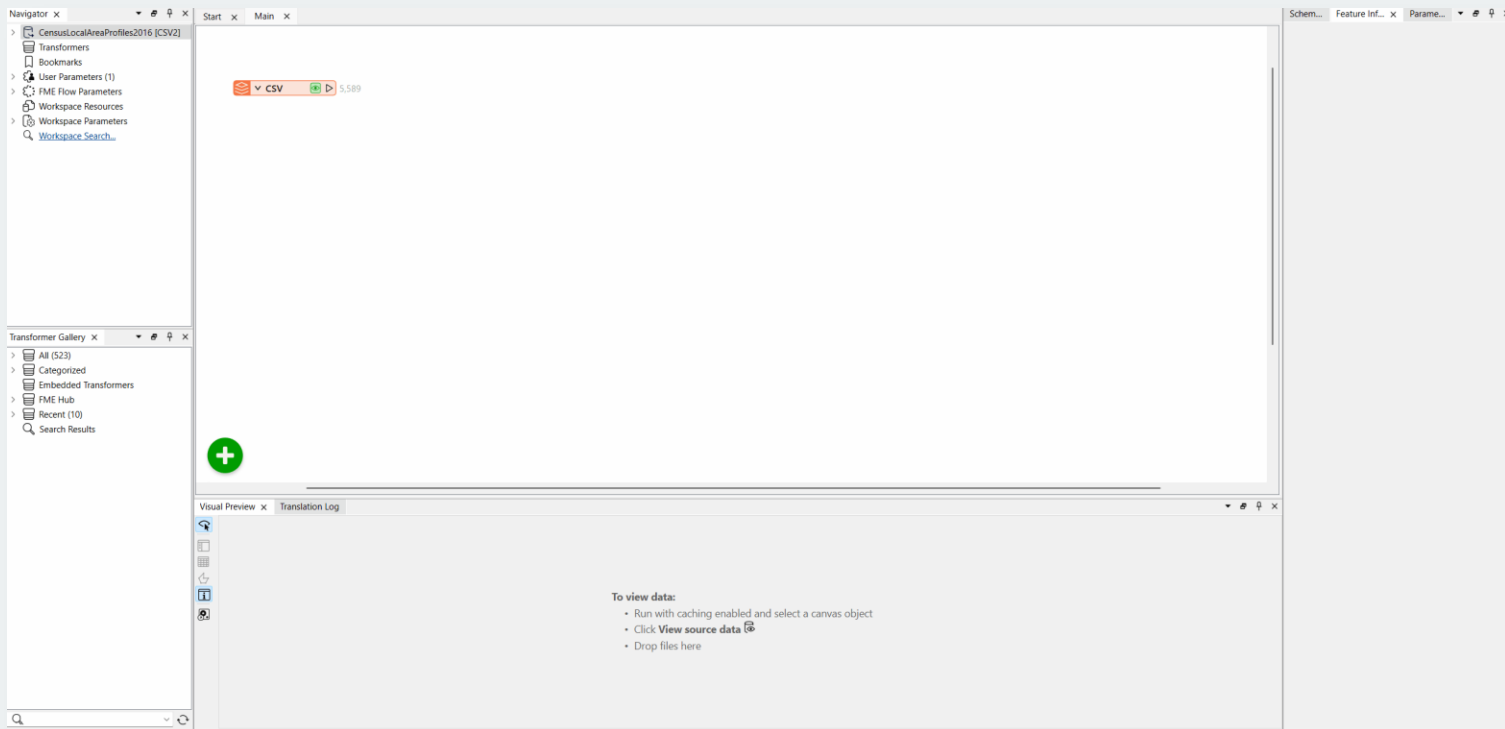
- Making FME instantly powerful and productive
- You (the Users) are partners in defining the roadmap!
- Make FME the most capable and connected AI platform for data workflows
- Making FME easier to learn and use

Instant Value: Users experience early wins.
Use preloaded templates, auto-run, guided workflows, and more.

ON THE
ROADMAP



AutoRun in Action



One Click HTTPS Configuration



HTTPS Configuration 

Configure Tomcat for HTTPS. See the [documentation](#) for information on obtaining a PFX certificate.

☒ Enable HTTPS with certificate

PFX Certificate:

C:\ProgramData\FME Flow\Files\fmeflow-ssl-certificate.pfx

Password for PFX Certificate:

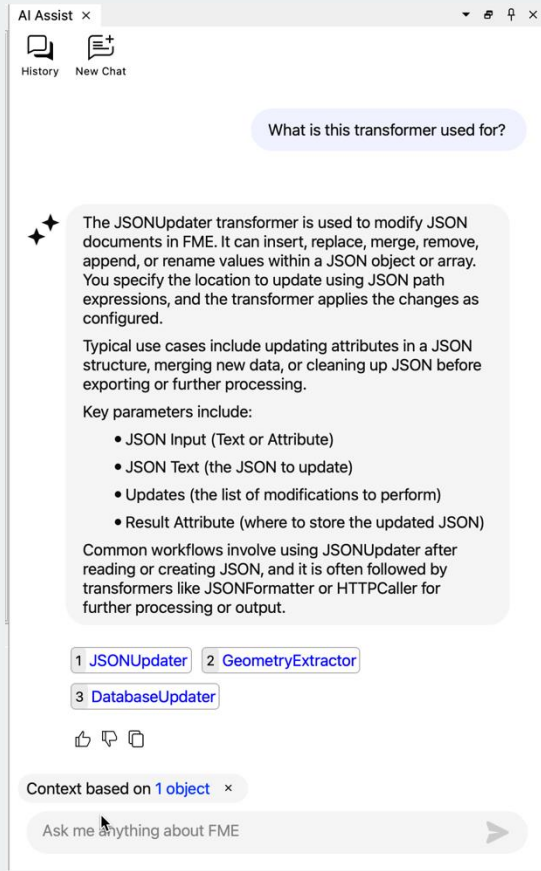
Confirm Password:

Improved usability for SSL configuration in the FME Flow Installer, simplifying setup and reducing friction for administrators securing their deployments.



The AI Journey Continues





Context-Aware, Built into FME Form.



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FME
by Safe Software



FME Form



Expanding on what we launched in the Keynote to make AI Assist even smarter and more integrated.

- **AI-Powered Assistance:** Access generative AI capabilities directly within any parameter that uses a text editor.
- **Data Specific Suggestions:** Context-aware responses tailored to the specific transformer and parameter you're working with.
- **Faster Authoring:** New canvas actions designed to simplify your workflow.



FME Flow



FME Flow

Run Workspace
Automations
Streams
Data Virtualization
Flow Apps
Schedules
Jobs
Workspaces
Projects
Files & Connections

Dashboard

Create Automation Create Workspace App Create Schedule Create Project

Last Published Workspaces

- authorTest.fmw Today at 04:03:08
- qa-overview.fmw Today at 08:15:42
- Database23.fmw Yesterday at 12:00:01
- sample-flow.fmw Yesterday at 09:55:12
- startup.fmw 2 days ago

Last Updated Items

NAME	TYPE	OWNER	LAST UPDATED
Manual Trigger Workflow	Automation	admin	2023-6-28 09:06:30
ExportAllSchedules	Project	admin	2023-6-28 09:06:30
WriterTutorial	Project	user	2023-6-28 09:06:30
TrackingTest	Stream	andy	2023-6-28 09:06:30
Backup_Configuration	Schedule	lee	2023-6-28 09:06:30
DashboardStatisticsGathering	Schedule	admin	2023-6-28 09:06:30
Log Blocked Message	Automation	admin	2023-6-28 09:06:30
DataValidation	Project	admin	2023-6-28 09:06:30
DemoServerWatcher	Workspace App	user	2023-6-28 09:06:30
Test	Stream	rease	2023-6-28 09:06:30

FME Flow 2023.1
Build 22048 - linux-arm64
Safe Software
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AI Assist

AI Assist
Your everyday FME companion

Hi, I'm FME AI Assist! You can ask me anything about FME to get started. As I'm still learning and evolving, my knowledge may be limited right now, but I'm always improving. I'd appreciate your feedback on my responses to help me get better! How can I help you today?

Ask me anything about FME...

Bringing AI Assist to Flow for the first time—helping you succeed faster with personalized, contextual support.

- **Onboard new users faster** with contextual guidance.
- **Suggest relevant help** articles and knowledgebase content.

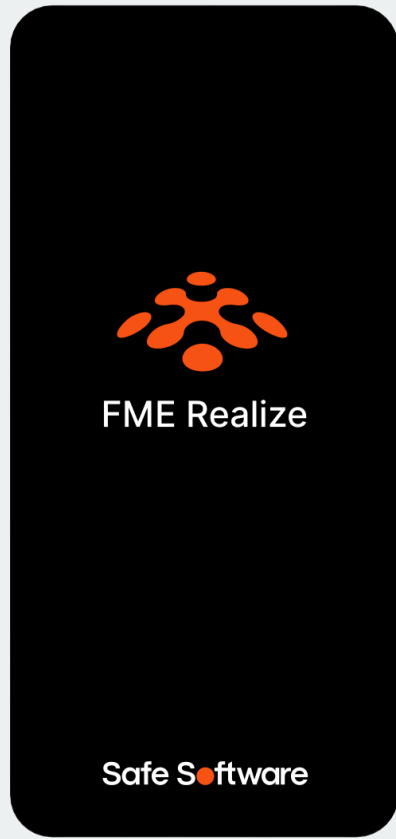


Improve Observability on FME Flow



**Natural language
insights for
better system health
and faster debugging.**

- **Understand logs** without digging through raw text
- **Get system insights** instantly using natural language
- **Pinpoint root causes** of errors faster
- **Access server stats** like job counts, and run times via natural language



FME Realize

Where Data Meets the Real World



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Simplified Toolbox for Spatial Computing



Underground Infrastructure Toolbox



Attributes



Repair



Maintenance



Inspection



Notes



Map



Full QA Report



Run AI QA Agent

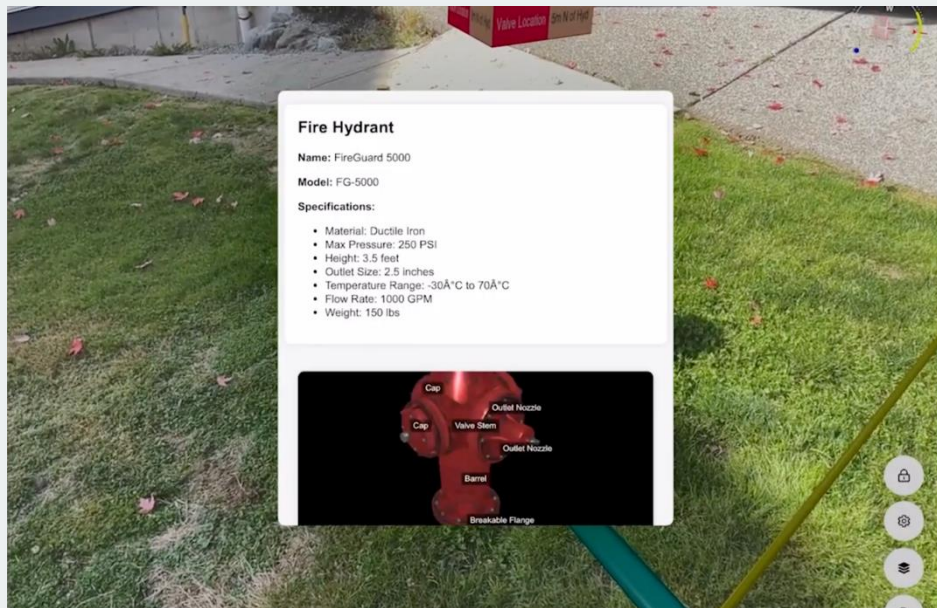


Audio Notes Agent

Reducing the friction for authors to create rich, interactive AR workflows and unlock the power of spatial computing.

- Authors will easily embed spatial computing tools directly into FME Realize experiences.
- Simplified, no-code workflow.

Interactive AR Scenes



Moving beyond static AR scenes — users interact dynamically with their environment.

- Support for loading additional models or assets when interacting with an AR scene.
- Goal: Make spatial computing responsive, not just a static display.



All Device Sensor Data

Bringing data capture and data visualization together.

- Turn FME Realize into a spatial mapping tool with lidar-enabled capture.
- Collect point clouds, measure real-world dimensions, and map environments all within the FME Platform.





Model Context Protocol (MCP)

A structured, secure interface for letting
AI assistants interact with real tools and data.



FME as an MCP Client

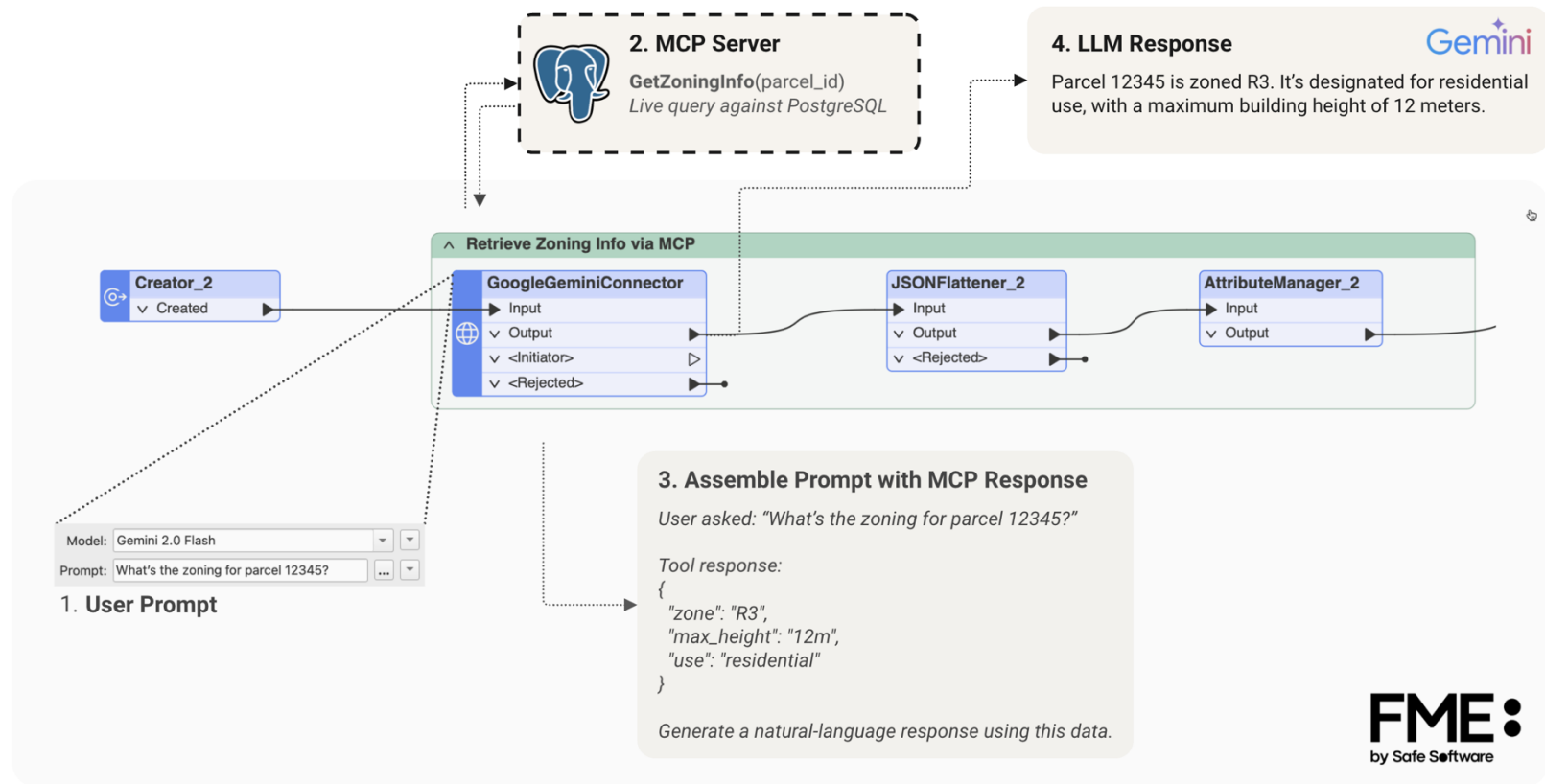
We're exploring how AI transformers in FME—like the **OpenAIConnector**—could connect to external MCP servers to enrich prompts with structured, real-time data.

- **Discover & Use Tools Dynamically** - An AI transformer could query the MCP server, see available tools (e.g., `GetZoningInfo`), and inject results into prompts.
- **Eliminate Manual API Handling** - No HTTP calls, parsing, or schema wrangling—just select the tool and go.
- **Low-Code, Context-Aware Workflows** - This would allow users to enrich prompts with real-time, business-specific data—without leaving the transformer.

AI Prompt Enrichment via MCP in FME



EXPLORING



FME Flow as an MCP Server

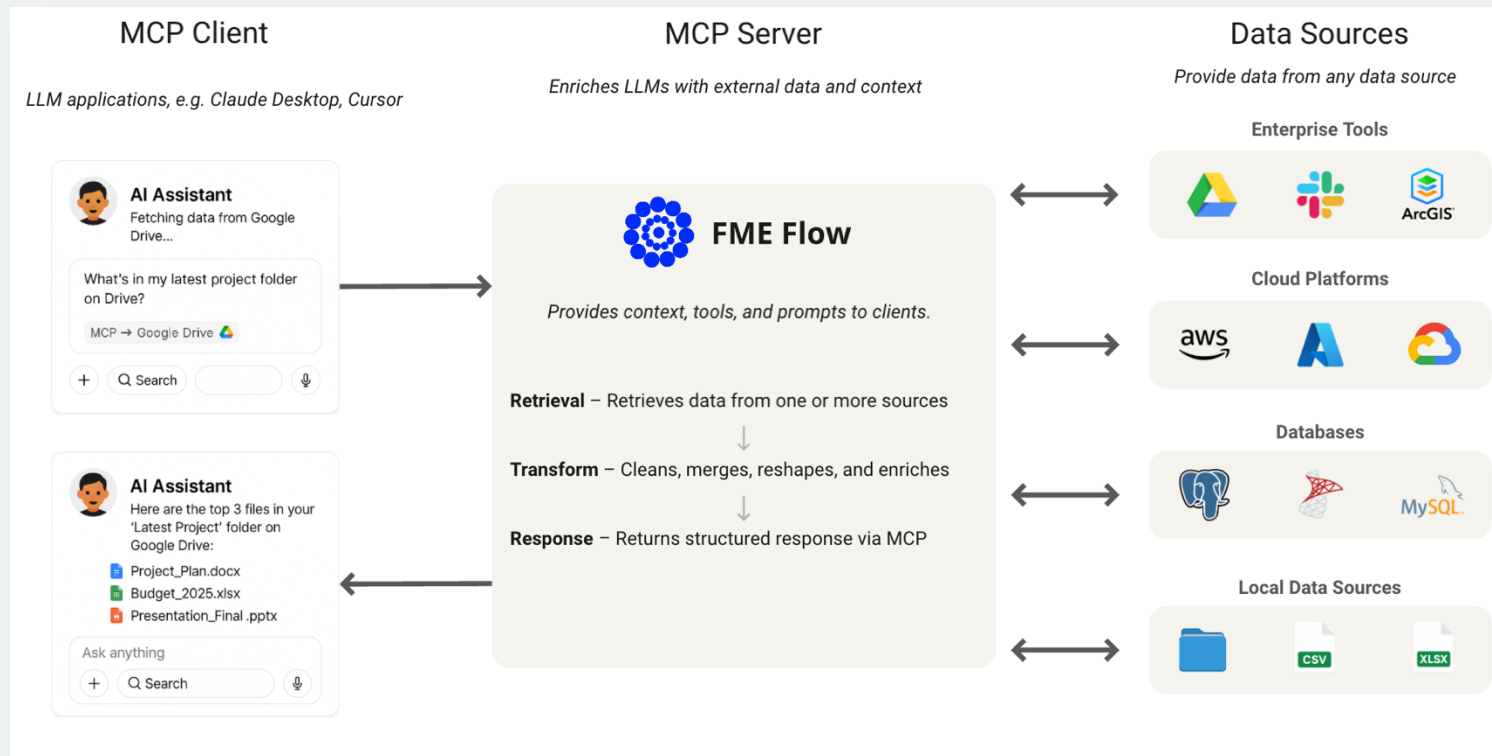
We're exploring how FME Flow could expose workspaces as MCP tools—allowing AI assistants to securely trigger them in real time.

- **Workspaces Become Tools** - Each published workspace could be registered as an MCP tool, with parameters and resources mapped automatically.
- **Instant Capability Discovery** - AI assistants could query FME Flow to discover available tools, what data they operate on, and when to use them.
- **No Glue Code, Just Upload & Connect** - Users would simply attach a workspace to an endpoint—FME Flow handles the rest.

Connect your AI to your Data



EXPLORING



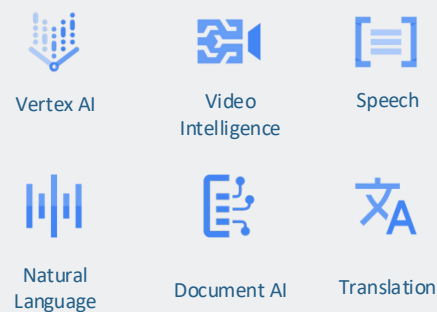
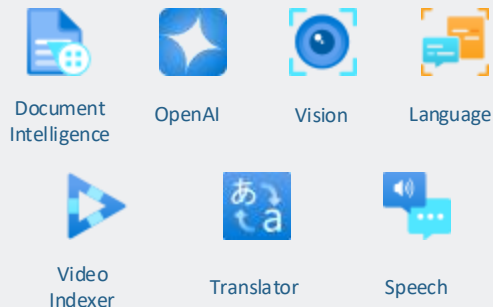
New Formats

 **LOCUS**

CERTIFIED

AI Connectors

Support all AI Services across text, vision and speech.



OpenAI

ANTHROPIC



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Top reasons why new IFC writer is improvement over legacy writer:

- Comprehensive IFC 4x3 support
 - materials support.
 - built in CRS support,
 - full alignment support
- Simplified model that matches support revit reading / writing
- Built in IFC validation
- Better error logging
- More comprehensive schema support
- Built on industry standard library, better integration with other building smart compliant tools



From Data to Depth

We're upgrading FME's 3D viewing experience from the ground up—delivering quality rendering, smoother interaction, and new tools.

- Enhanced rendering engine for better visualization
- Improved 3D navigation tools in Data Inspector for precise manipulation
- Multiple rendering modes to suit different workflows and visual needs





Geometry as an attribute

In the vast majority of databases geometry is an attribute type

- Each geometry has a name
- Any number of geometry attributes per table.

^ parks  	
	Facility
	Location
	Park_Name
	id
	↪ geom
	↪ centrepoint





Introducing a Quarterly Release Cadence

Starting in 2026, FME will move to a quarterly release model, giving you faster access to improvements on a reliable schedule.

- **Four releases per year** — March (.1), June (.2), September (.3), December (.4).
- **Simple, time-based versioning:** YYYY.Release.Update (e.g., 2026.2.1).
- **Every release treated equally:** No large “.0” releases—each quarterly update is production-ready.



Predictable Critical Updates for Every FME Release

Starting with 2026.1, every FME release will receive two years of security and critical bug updates.

- **Two-Year Critical Fix Window-** Each quarterly release (e.g., 2026.1, 2026.2) will receive patches for two years after initial release.
- **Predictability-** Today, fixes are informal and mainly tied to the latest release—this new policy formalizes patch support for the first time.
- **Patching Will Require Reinstall at First** - To apply patches initially, customers may need to install an updated FME version.



Building Patching into the Future of FME

We're exploring patching for FME Form and FME Flow—making it easier to apply critical patches without full reinstallations.

- **Apply Patches In-Product** - Install fixes directly within FME Form or Flow.
- **Reduce Downtime and Upgrade Effort** - Eliminate the need for full reinstalls to stay protected and current.
- **Supports Long-Term Enterprise Stability** - Makes it easier to stay compliant, secure, and operational on supported versions.



Toward a Lighter, More Flexible Installation

We are exploring ways to break FME into installable modules—giving customers more control over what's installed and improving upgrade flexibility.

- **Install only what you need** – reduces footprint and deployment complexity.
- **Improves security and compliance** – avoid installing unused libraries if not needed.
- **Prepares for future** – improvements like in-product updates and simplified patching.



FME Organizations



A unified model for managing users, access, and deployments across all FME products.

- **Empowers Admins** – Self-service user management, MFA, and feature controls (e.g., disable AI Assist, control FME Hub access).
- **Simplifies Licensing** – Centralised licensing for the FME platform.
- **FinOps** – Manage and track growth of deployments so you there are no surprises at renewal time. (# of FME Form, # of FME Flow engines, CPU Time Usage).
- **Enterprise SSO Integration** – Incorporate your organization's users and groups from an authentication service (e.g. Windows Active Directory).



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FME
by Safe Software

Early Adopter Program:

Shaping the Future of FME Together



Program Highlights

- Early Access, Real Impact
- Collaborative Feedback Opportunities
- Recognition & Community Perks

Get Involved!

