



FME Server Automations

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Data Serenity



LOCUS

Manage your data with Locus
and Safe Software's FME®



Taking FME Server Automations to the next level and bringing support for Enterprise Integration to the FME platform.

FME Server

FME Server has always been about automating workspaces.

- Workspace Runners
- Notifications / Topics / Subscriptions
- Automations
- Schedules
- Webhooks
- Server App's
- FME Server API

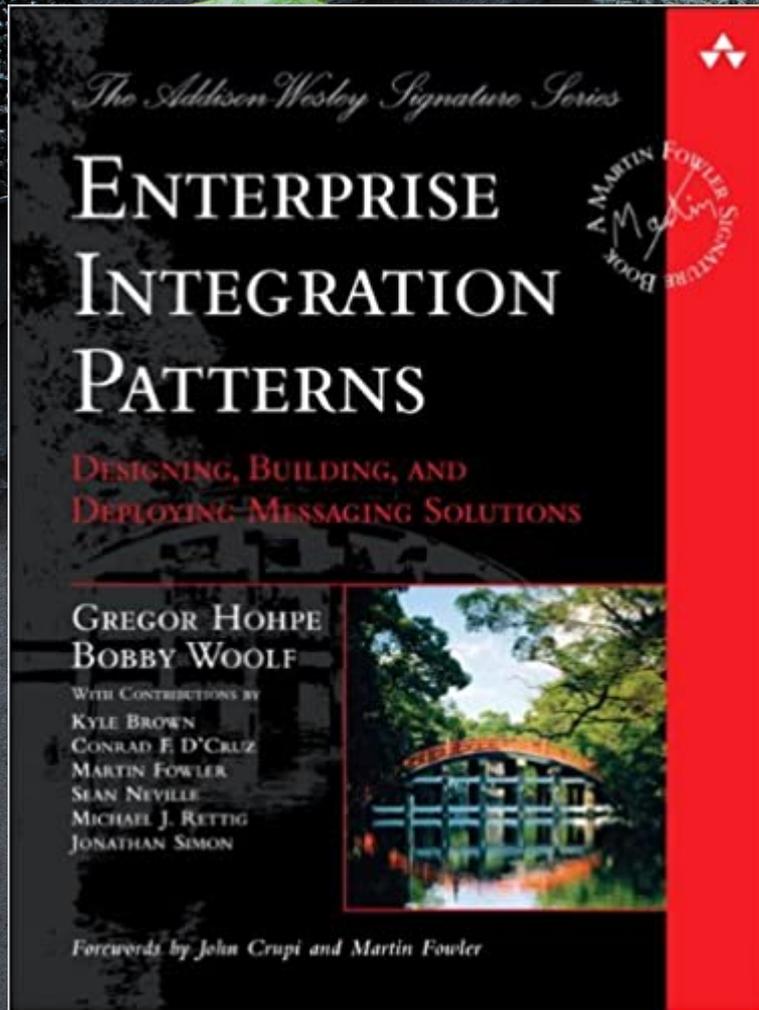


The background of the slide is a dark, textured surface. In the top left corner, there is a small black bowl filled with dark pebbles. Next to it are two vibrant green leaves. In the top right corner, there is a piece of grey, textured fabric, possibly a towel or cloth.

Enterprise Integration Patterns

What are Enterprise Integration Patterns?

In Enterprise Integration, a **pattern** is a repeatable solution to a commonly occurring problem encountered when integrating applications or systems. A pattern is a template for how to solve a problem that occurs in many different situations.



Enterprise Integration Patterns (EIPs) were made famous by Gregor Hohpe and Bobby Woolf and are popular amongst IT architects and application integration specialists. The patterns provide a common language for communicating solutions. To learn more about EIPs, visit www.enterpriseintegrationpatterns.com.

FME Server Automations Options

1. FME Server Job Submitter



FME Server Job Submitter

Receiver

Data comes in through a
Published Parameter



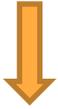
FME Server Automations Options

1. FME Server Job Submitter



FME Server Automations Options

1. FME Server Job Submitter



2. FME Server Notifications



FME Server Notifications

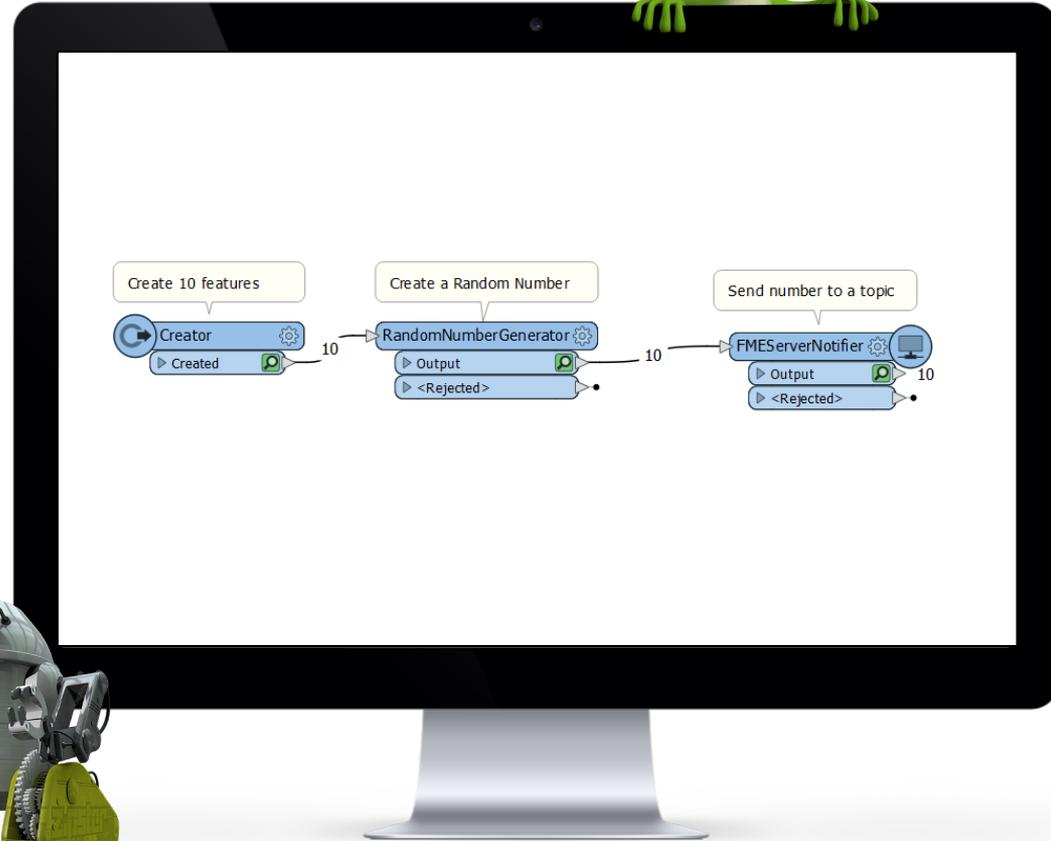


Pro: Decoupled by sending to a Topic.

Multiple actions could be triggered by the same action.

Con: Notifications / Topics / Subscriptions is hard to understand.

Hard to follow the flow of actions.



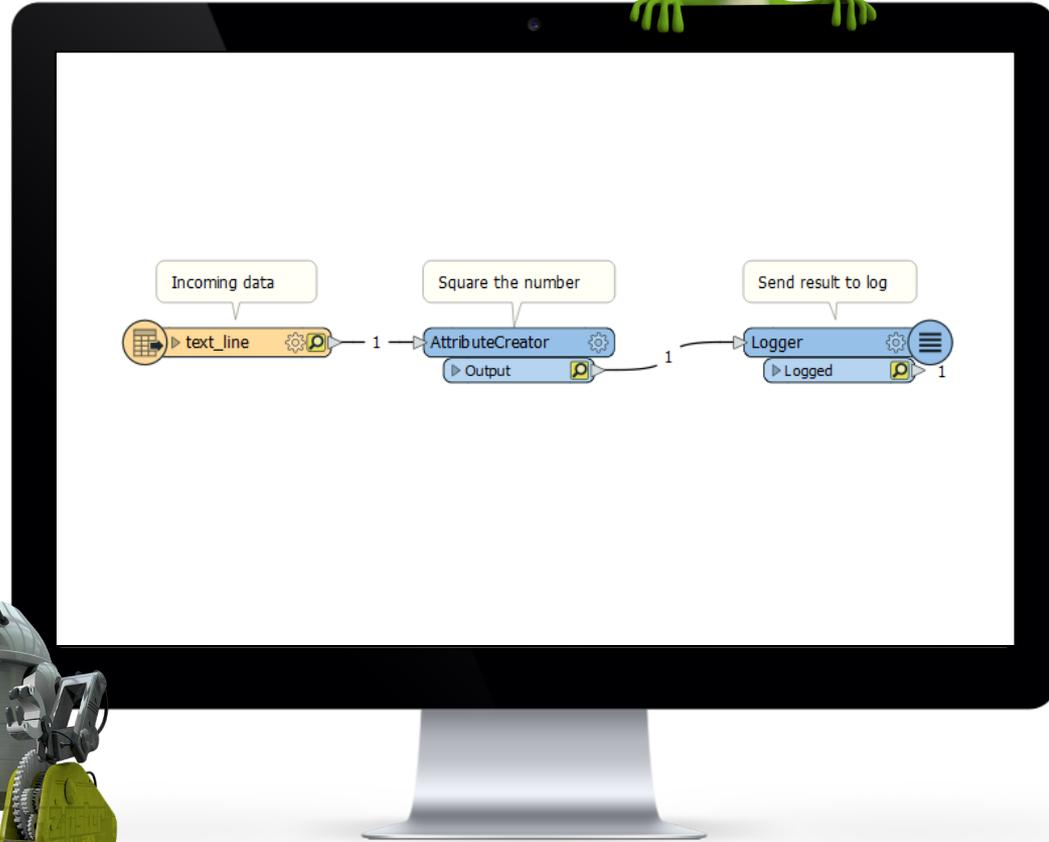
FME Server Notifications



Topic Receiver

Has a Subscription set up to run the workspace when the Topic is triggered.

Data comes in through a Text File reader, often a JSON reader would be used.



FME Server Automations Options

1. FME Server Job Submitter

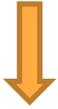


2. FME Server Notifications



FME Server Automations Options

1. FME Server Job Submitter



2. FME Server Notifications



3. FME Server Automations Writer



FME Server Automations Writer

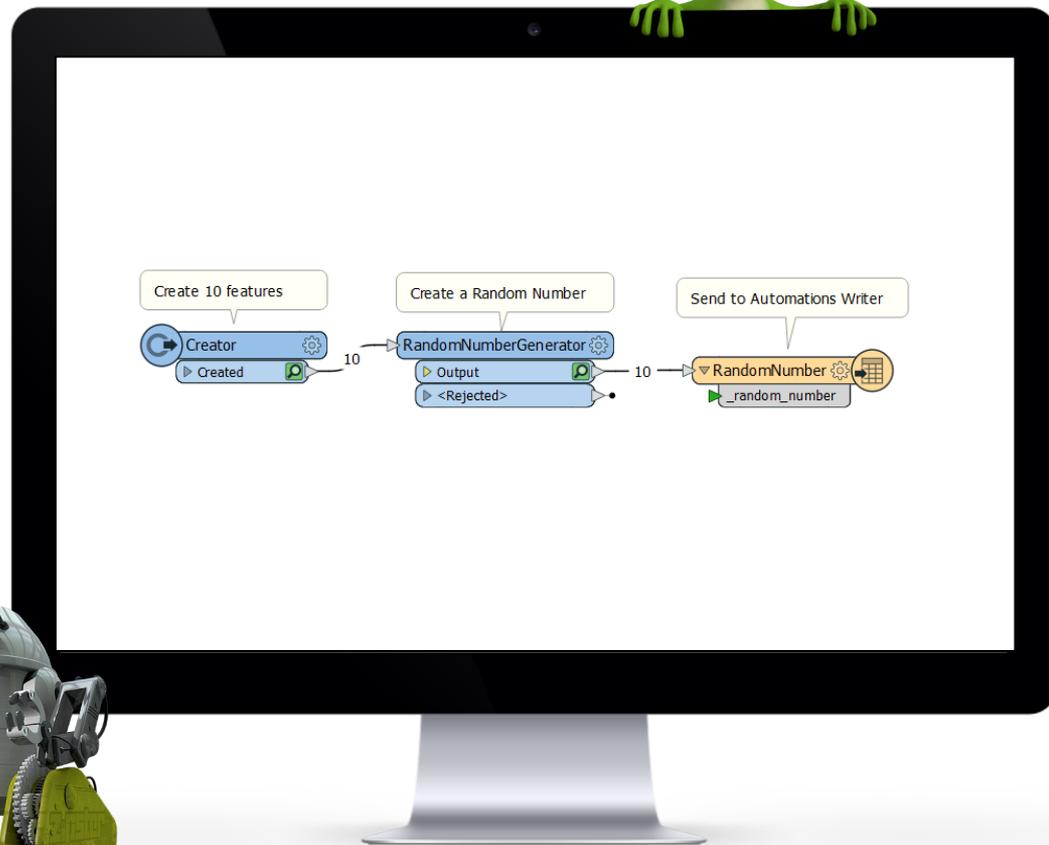


Pro: Workspaces are truly decoupled.

Graphical Automations interface shows the flow of data.

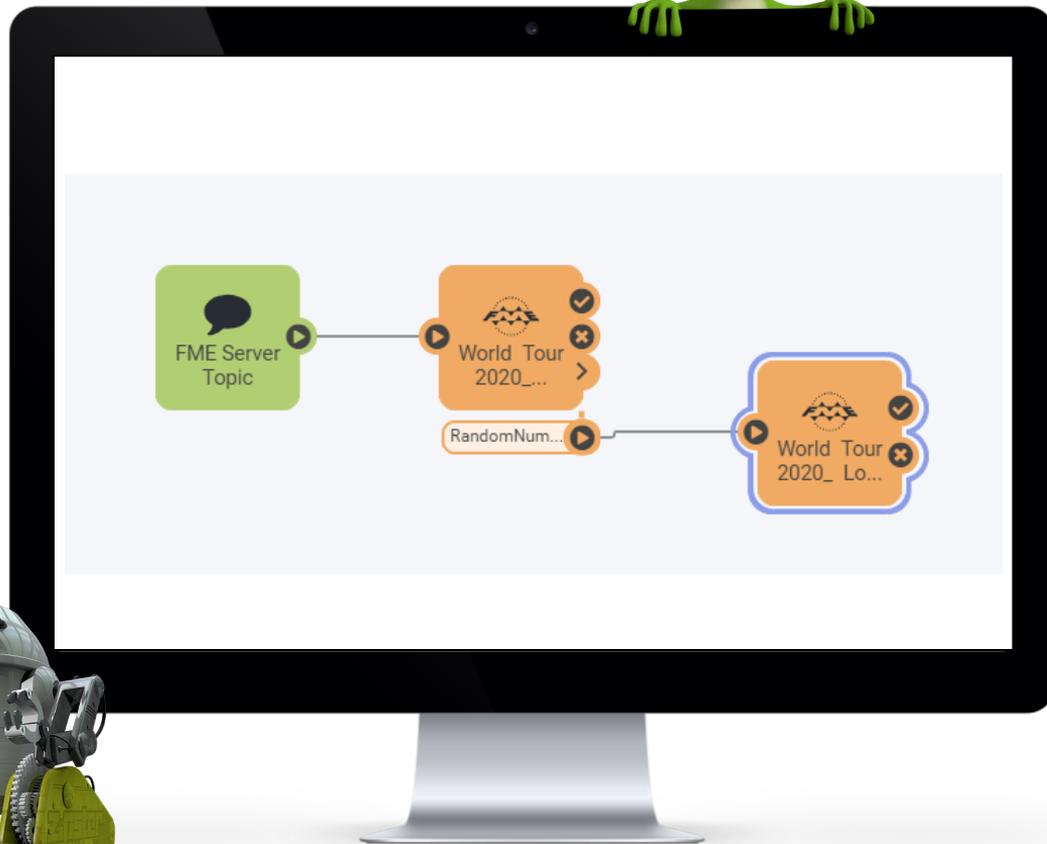
Easy to send complete features (as GEOJSON).

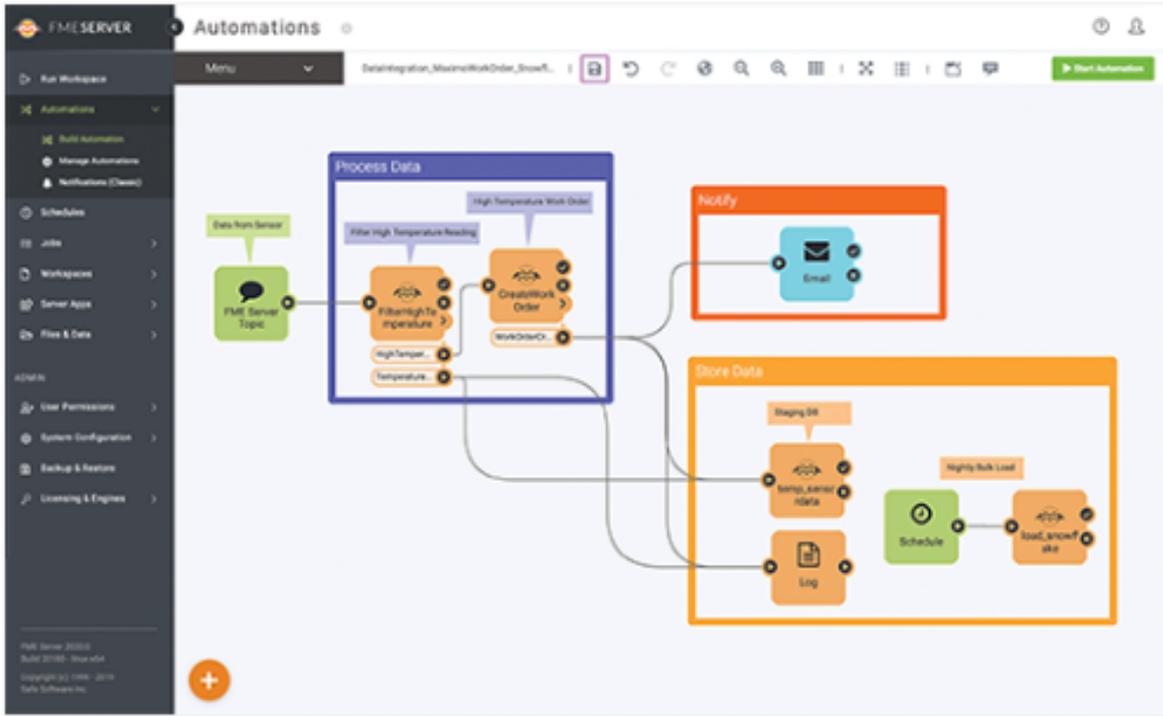
Con: This does use the Notifications system under the hood but it is well hidden!



FME Server Automations Writer

Automations Builder Graphical Interface





How many of the 65 Enterprise
Integration Patterns can you now do
with FME?

