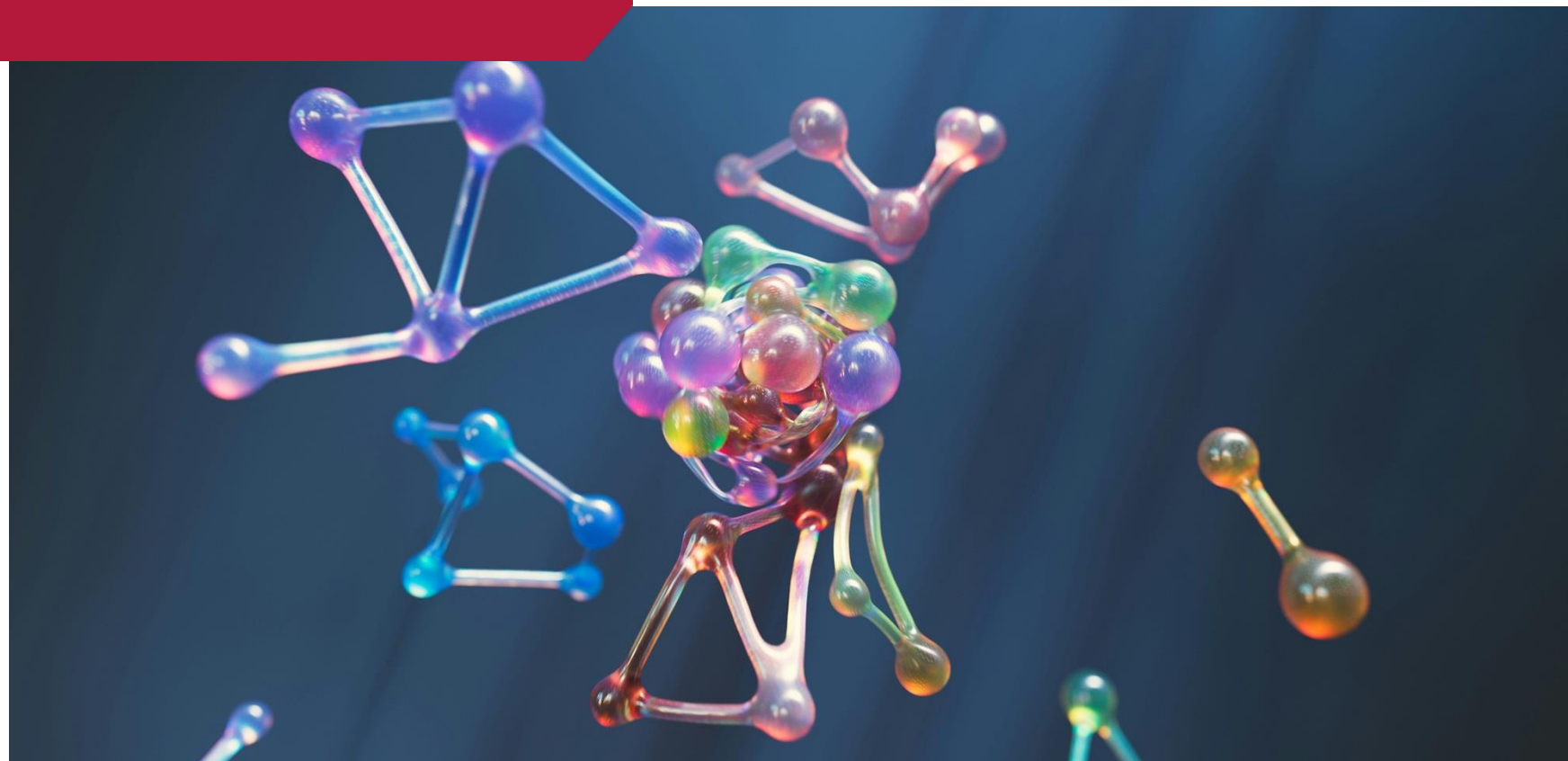
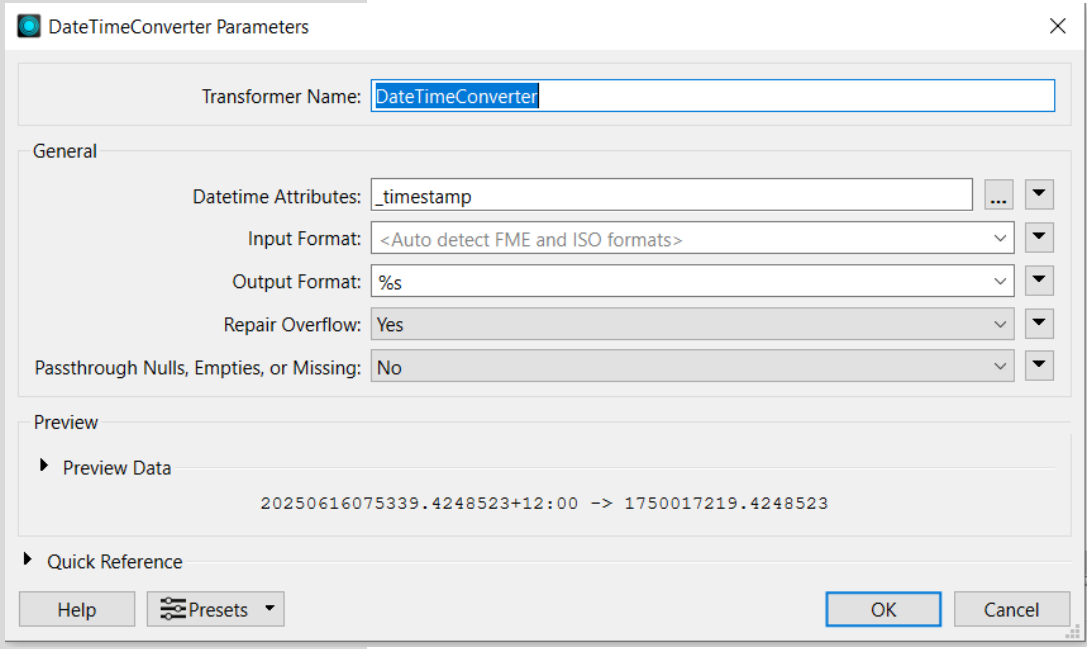
FME Form Tips and Tricks

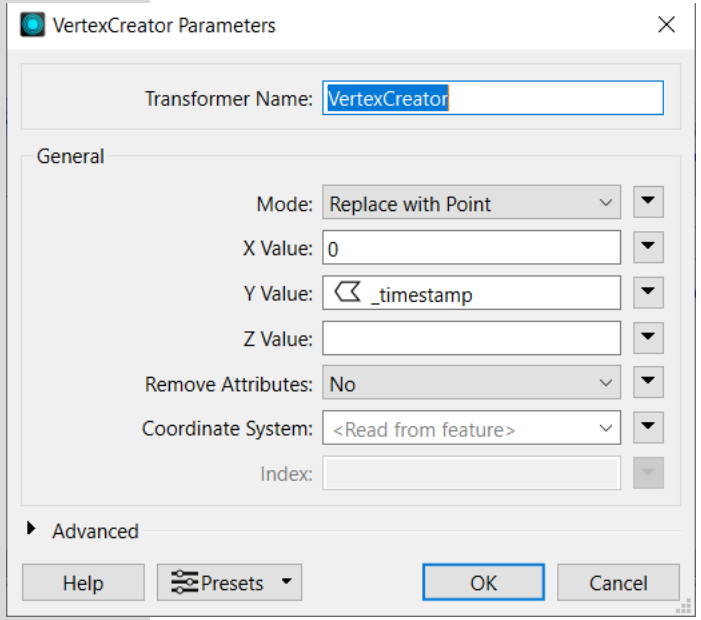
Photo by Google DeepMind on Unsplash



Time as Spatial

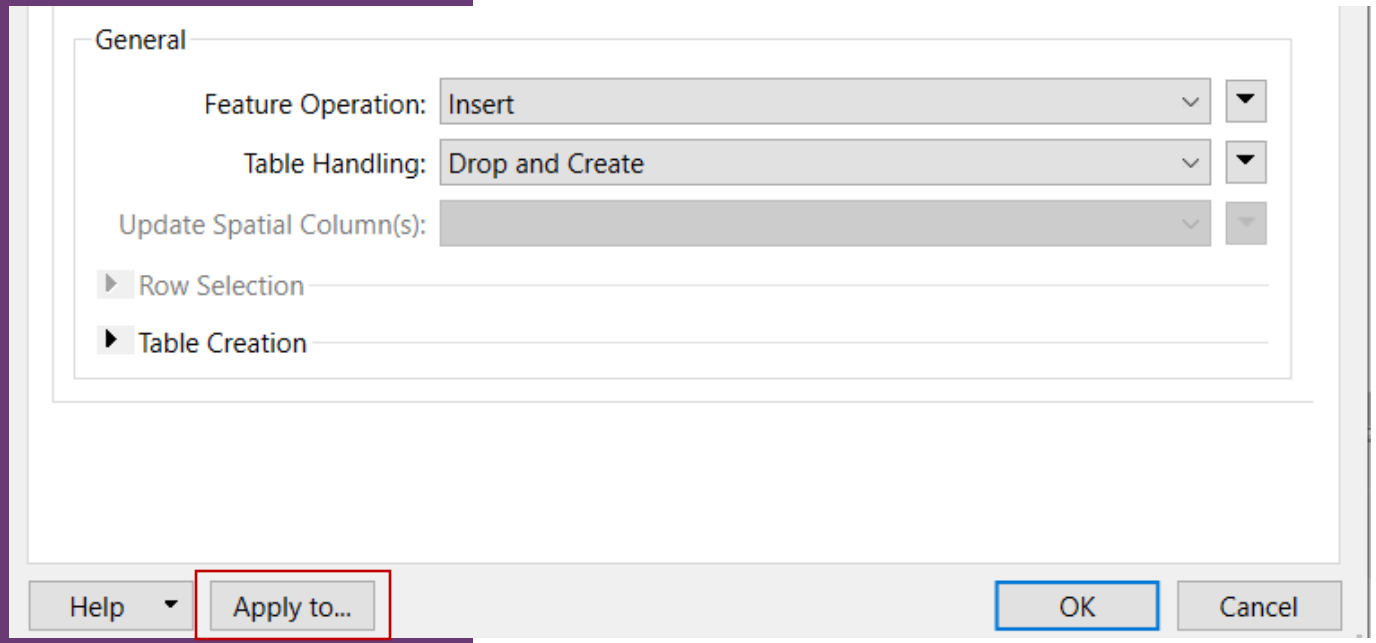
- Formatted time interaction is hard
- Epoch is seconds since 1/1/1970…consecutive numbering (e.g. 1750017219)
- DateTimeConverter: %s or %Es depending on timezone inclusion
- Convert to geometry and you can perform spatial queries





Updates to Feature Types

- Ability to make changes in bulk against Reader or Writer Feature Types
- Works across different Readers and Writers in the workspace



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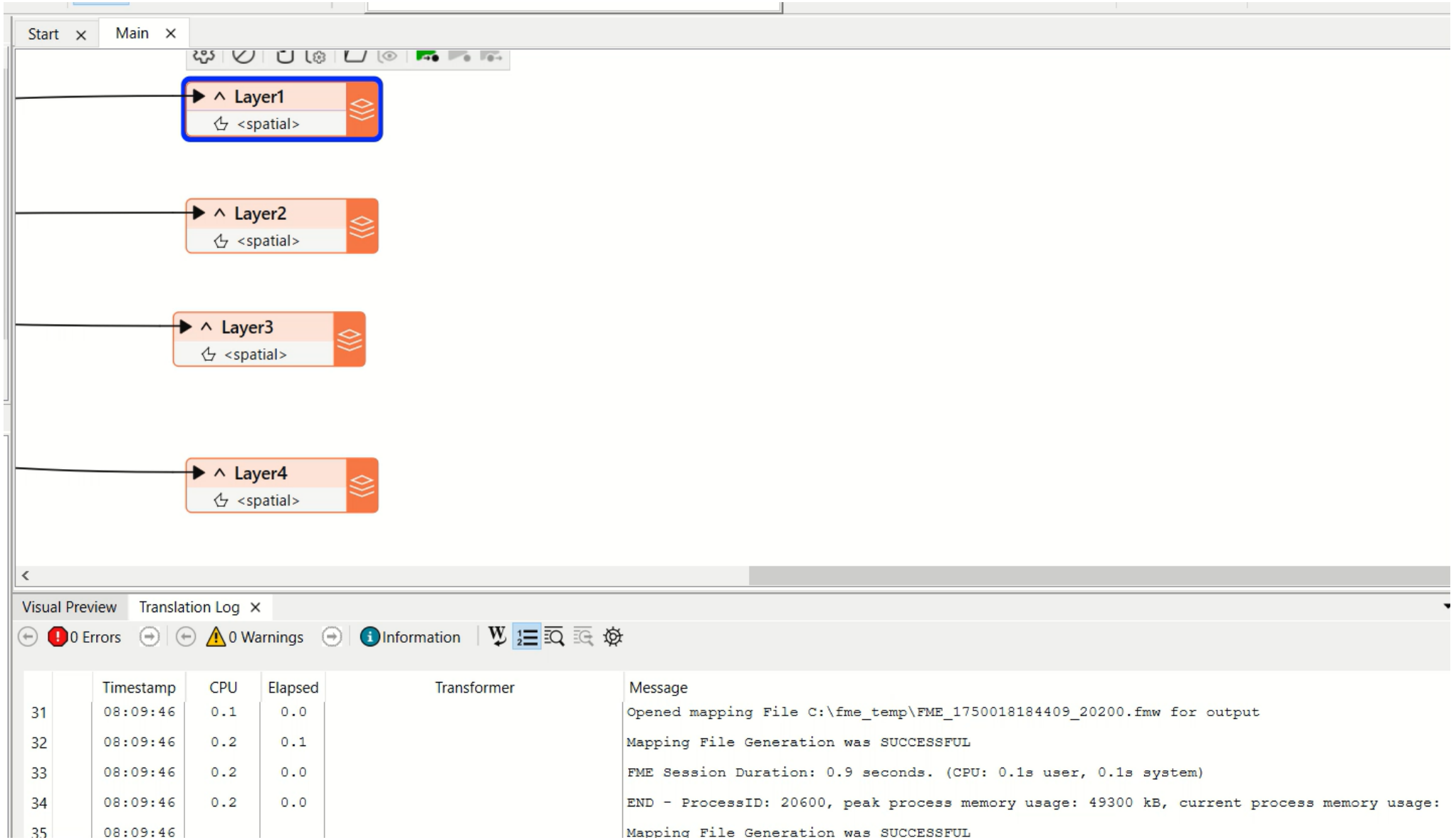
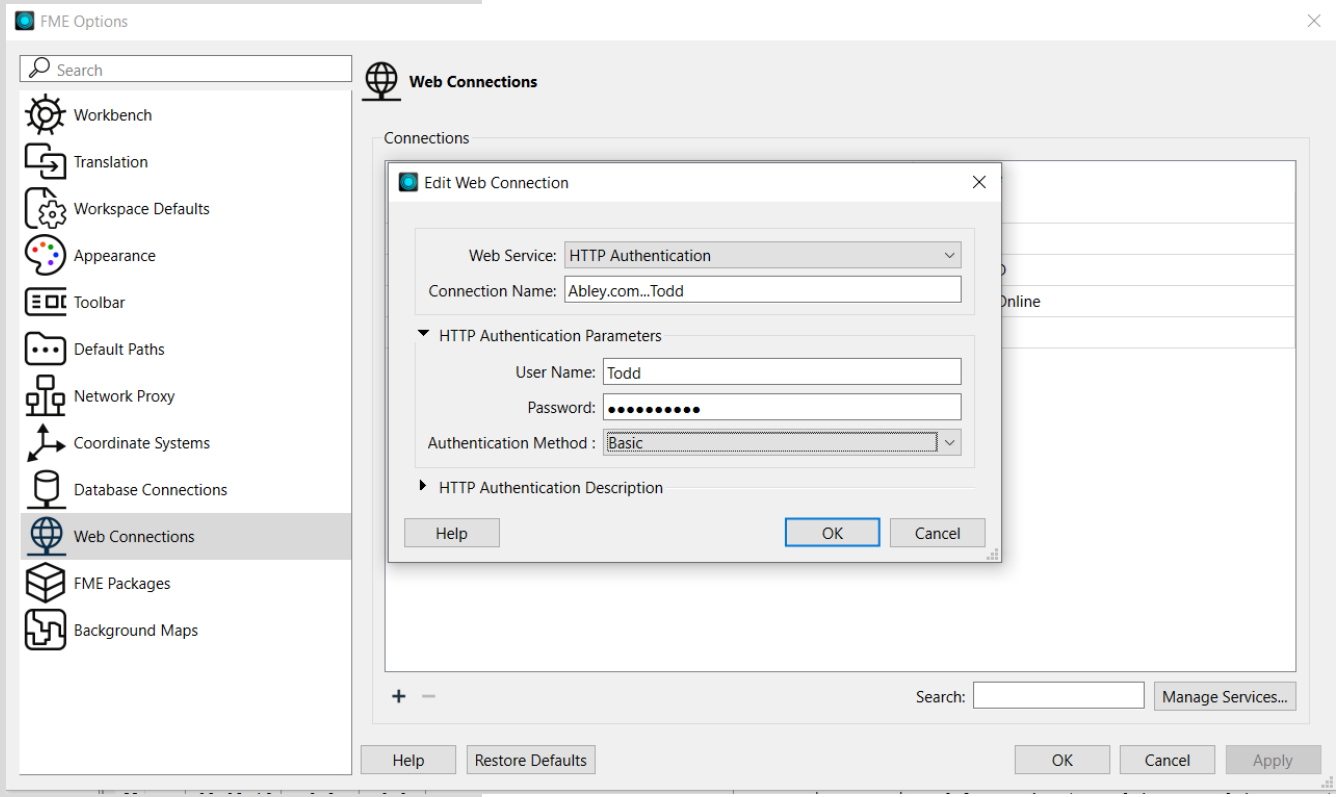
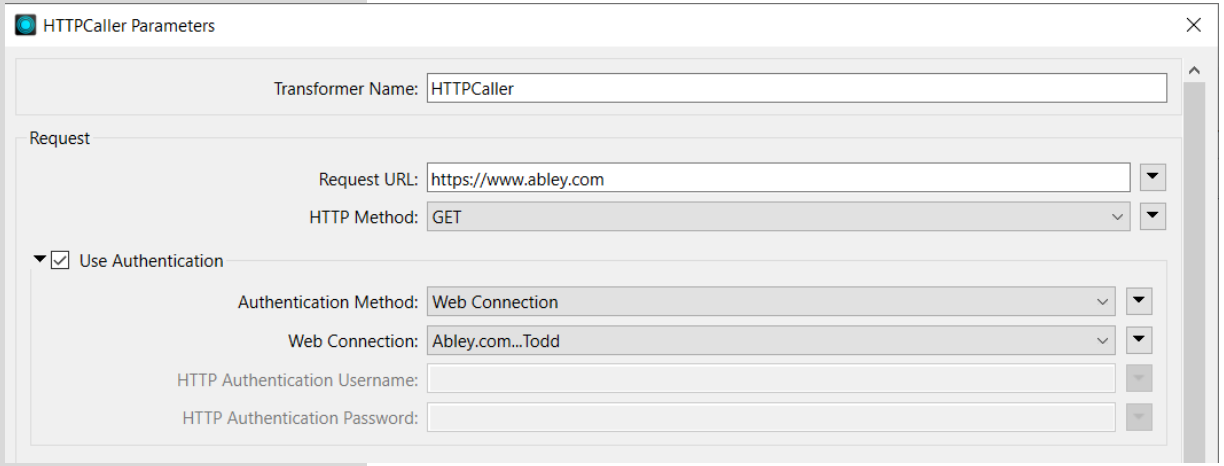

Start
Main
Layer1
<spatial>
Layer2
<spatial>
Layer3
<spatial>
Layer4
<spatial>
Visual Preview
Translation Log
0 Errors
0 Warnings
Information
Timestamp CPU Elapsed Transformer Message
31 08:09:46 0.1 0.0 Opened mapping File C:\fme_temp\FME_1750018184409_20200.fmw for output
32 08:09:46 0.2 0.1 Mapping File Generation was SUCCESSFUL
33 08:09:46 0.2 0.0 FME Session Duration: 0.9 seconds. (CPU: 0.1s user, 0.1s system)
34 08:09:46 0.2 0.0 END - ProcessID: 20600, peak process memory usage: 49300 kB, current process memory usage:
35 08:09:46 Mapping File Generation was SUCCESSFUL

Make Better Connections

- Store “Basic” Usernames and Passwords as Connections
- Better Protection
- Easier to Access and Share





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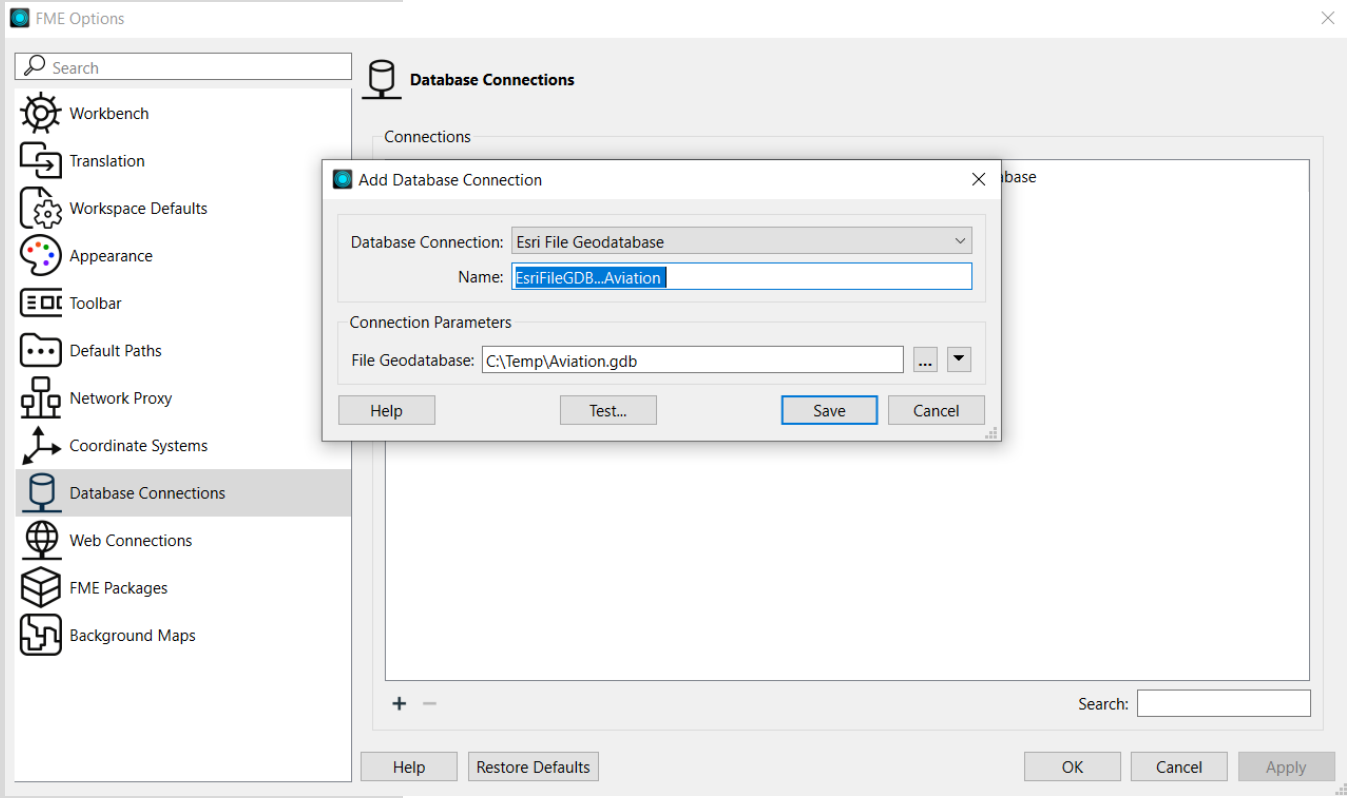
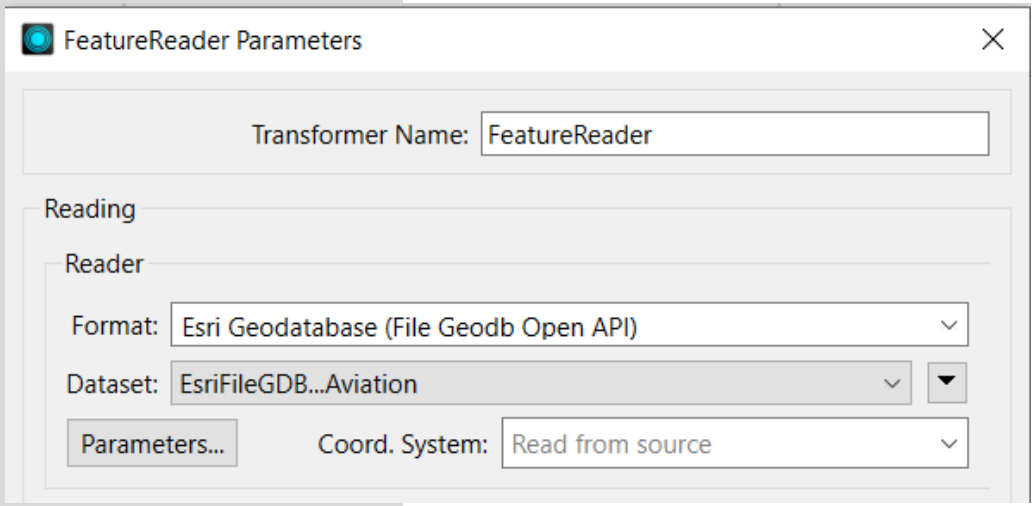
Make Better Connections…

- Look through Web Connections and Database Connections. You can store a lot.
- Create Connections to databases that are used often, including file-based formats

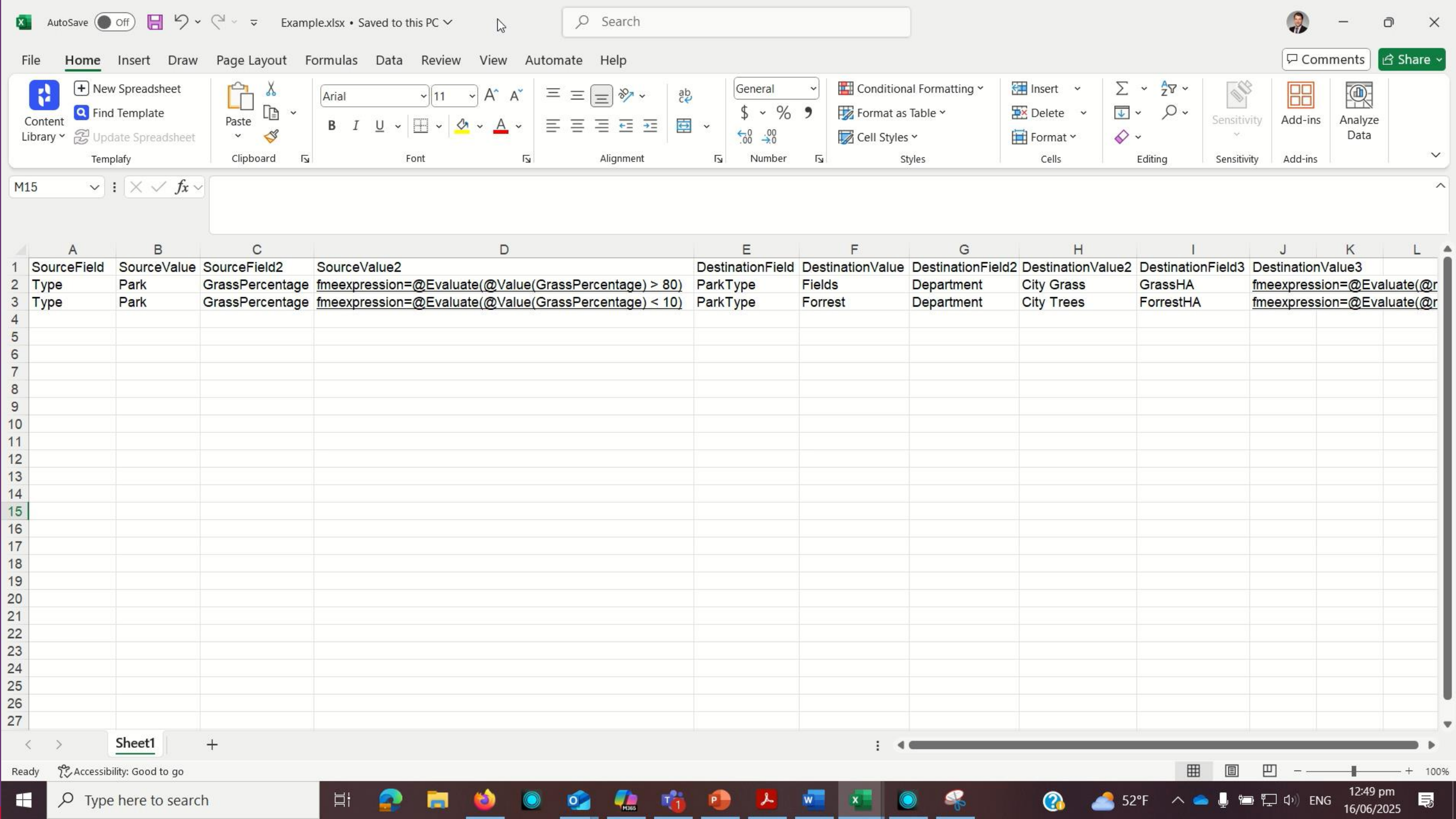




Schema Mapping

- Hard to get your head around
- Takes hardcoding out of FME Workspace
- Extremely Powerful and now with FME Expressions

	A	B	C	D	E	F	G	H	I	J	K	L
1	SourceField	SourceValue	SourceField2	SourceValue2	DestinationField	DestinationValue	DestinationField2	DestinationValue2	DestinationField3	DestinationValue3		
2	Type	Park	GrassPercentage	fmeexpression=@Evaluate(@Value(GrassPercentage) > 80)	ParkType	Fields	Department	City Grass	GrassHA	fmeexpression=@Evaluate(@		
3	Type	Park	GrassPercentage	fmeexpression=@Evaluate(@Value(GrassPercentage) < 10)	ParkType	Forrest	Department	City Trees	ForrestHA	fmeexpression=@Evaluate(@		
4												
5												



	A	B	C	D	E	F	G	H	I	J	K	L
1	SourceField	SourceValue	SourceField2	SourceValue2	DestinationField	DestinationValue	DestinationField2	DestinationValue2	DestinationField3	DestinationValue3		
2	Type	Park	GrassPercentage	fmeexpression=@Evaluate(@Value(GrassPercentage) > 80)	ParkType	Fields	Department	City Grass	GrassHA	fmeexpression=@Evaluate(@r		
3	Type	Park	GrassPercentage	fmeexpression=@Evaluate(@Value(GrassPercentage) < 10)	ParkType	Forrest	Department	City Trees	ForrestHA	fmeexpression=@Evaluate(@r		
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FileNamePartExtractor

- Not just for Files
- Useful for URLs
- Split

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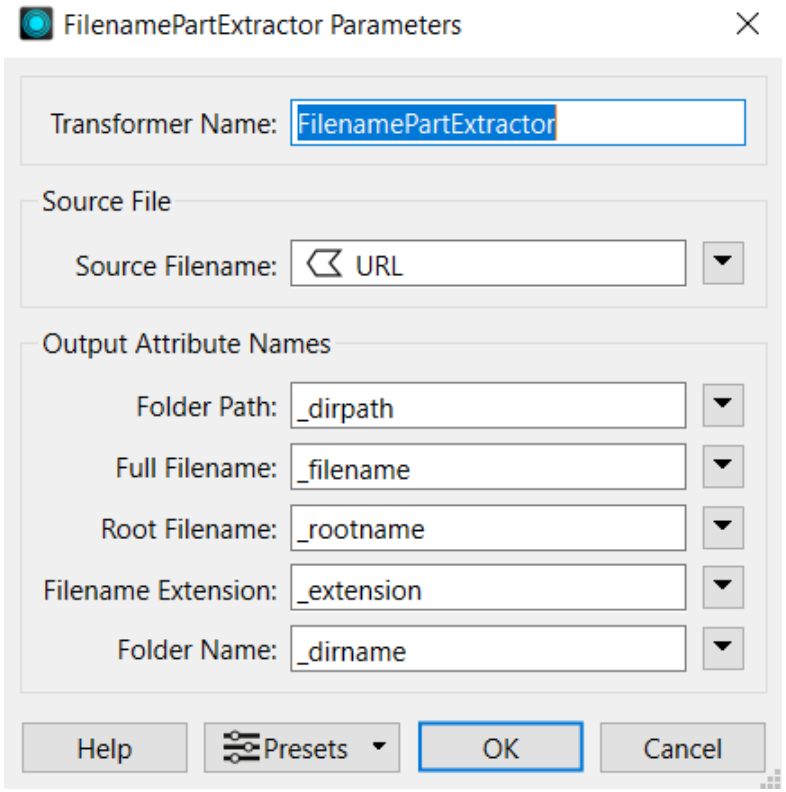

_dirpath	_filename	_rootname	_extension	_dirname
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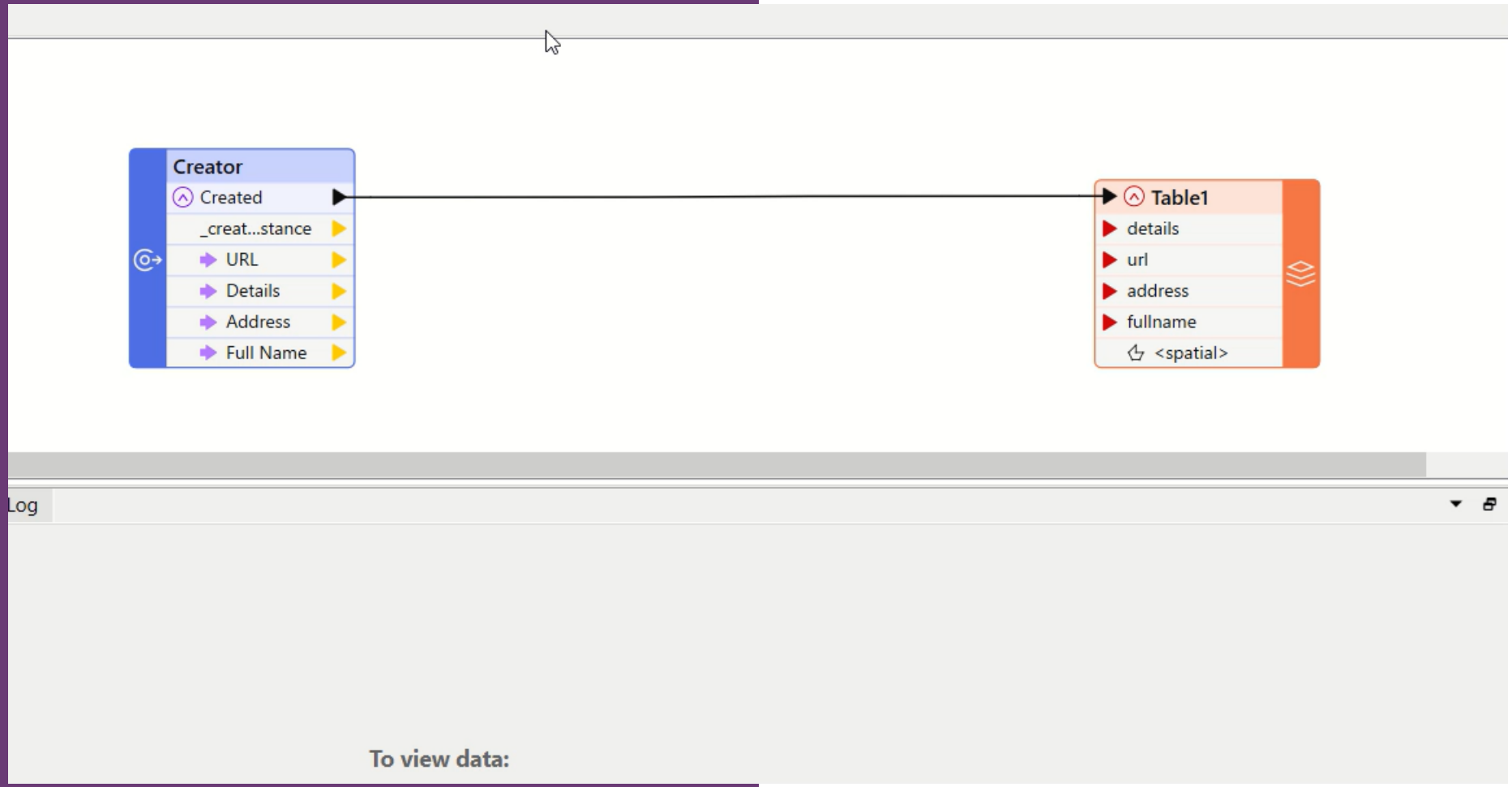
Auto Connect

- FME ain’t stupid



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Auckland
Level 1/70 Shortland Street
Auckland 1010
Aotearoa New Zealand

Wellington
Level 1/119-123 Featherston Street
Wellington 6011
Aotearoa New Zealand

Christchurch
Level 1/137 Victoria Street
PO Box 36446, Merivale
Christchurch 8146
Aotearoa New Zealand

hello@abley.com
+64 3 377 4703
abley.com