

FIVE SHADES OF DATA FLOW

Stefan Kirner

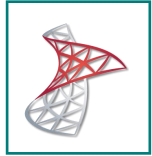
FIVE

~~FIFTY~~ SHADES OF DATA FLOW

FIFTY SHADES OF DATA FLOW



DATA FLOWS



SQL Server Integration Services: DATA FLOW



Azure Data Factory: Mapping DATA FLOW



Azure Data Factory: Wrangling DATA FLOW



Power BI DATAFLOW



Power Platform DATAFLOW

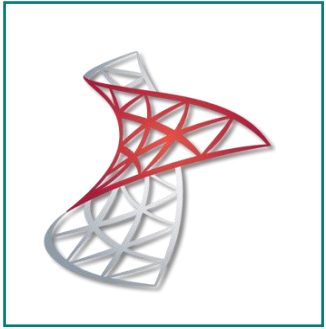
CAPTIVATING DATA



<https://c4.wallpaperflare.com/wallpaper/132/286/542/background-black-hands-ropes-wallpaper-preview.jpg>

Material	Popularity (0 - lowest; 4 - highest)	Roughness (1 - softest; 5 - roughest)	Suppleness (1 - stiffest; 5 - most supple)	Knot Holding (1 - slippy; 5 - jammy)	Friction (1 - slippery; 4 - high friction)	Burn Tendency (1 - low; 3 - burns easily)	Breaking Strength (6mm or 1/4") lb	Weight (6mm or 1/4") lb/ft	Cost, Raw (6mm or 1/4") USD/ft	Ease of Cleaning (1 - hard; 4 - easy)	Maintenance Required (0 - none; 2 - much)	Service Life (years)	Compatible with Water Bondage	Compatible with Dye	
Nylon	3	1	4	2	2	2	1200-1500	0.016	0.06-0.22	3	0	0-5+	Yes	Yes	Notes
MFP	3	1	4	2	2	2	1100-1300			3	0	5+	Yes	No	Notes
Spun Polyester	2	2	3	2	3	2	1200		0.60		0	5+	Yes	No	Notes
Hemp	4	2-3	3	3	3	1	400-500	0.017-0.019	0.21	2	1	2-5+	No	Yes	Notes
Jute	4	3-4	4	4	3	1	200-300	0.012-0.014	0.18-0.58	1	2	0-5-2	Yes/No	Yes	Notes
Cotton	2	2	3	3-5	3	1	200-600		0.10					Yes	Notes
Flax / Linen	2	3	3	3	3	1								Yes	Notes
Coconut	2	5	2	4	4										Notes
Silk	1	1-2	3-4	3	3	1									
Rayon ("Bamboo")	1	1	5		1										
Alpaca	1	1	4	3	3				0.60	1	0	0-1	No		Notes
Filament Polyester	1	2	3	1	1	3	2000	0.02		4	0	5+	Yes	No	Notes
Filament Polypropylene	0	5	1				1000-1200				0			No	Notes
Sisal	1	5	2	3	3		500								Notes
Manilla	0	5	2		4		500	0.02							Notes
Hempex	1	3	3	3	3	1	1100			4	0	5+	Yes		Notes

Data taken from <https://crash-restraint.com/> - free online course in rope bondage!



SQL Server Integration Services: DATA FLOW



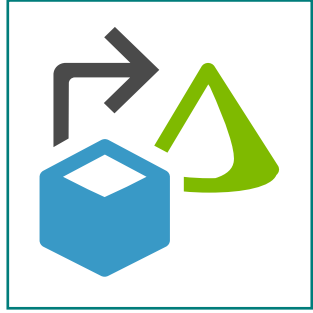
PLEASURE

- Most mature, wide spread, any source supported
- Broad dev community & 3rd party extensions
- Runs On-premises, cloud, hybrid
- Usable application lifecycle



PAIN

- Code breaks on source data changes
- Not efficient in semi-structured data
- Limited scale-out



Azure Data Factory: Mapping DATA FLOW



PLEASURE

- Intuitive GUI
- WYSIWYG Preview
- Scale-out (Spark-based)
- Acceptable application lifecycle management



PAIN

- # of supported data sources
- Still young wild



„Azure Synapse DATA FLOW“
Same technology, +spark
monitoring



Azure Data Factory: Wrangling DATA FLOW



PLEASURE

- WYSIWYG Preview
- Scale-out (Spark-based)
- Acceptable application lifecycle management



PAIN

- # of supported data sources
- Double conversion of code
- Still a baby with illnesses



Power BI: DATAFLOW



PLEASURE

- Many supported data sources
- WYSIWYG Preview
- Acceptable application lifecycle
- Scale-up



PAIN

- No scale-out
- Limited persistence options



Power Platform: DATAFLOW



PLEASURE

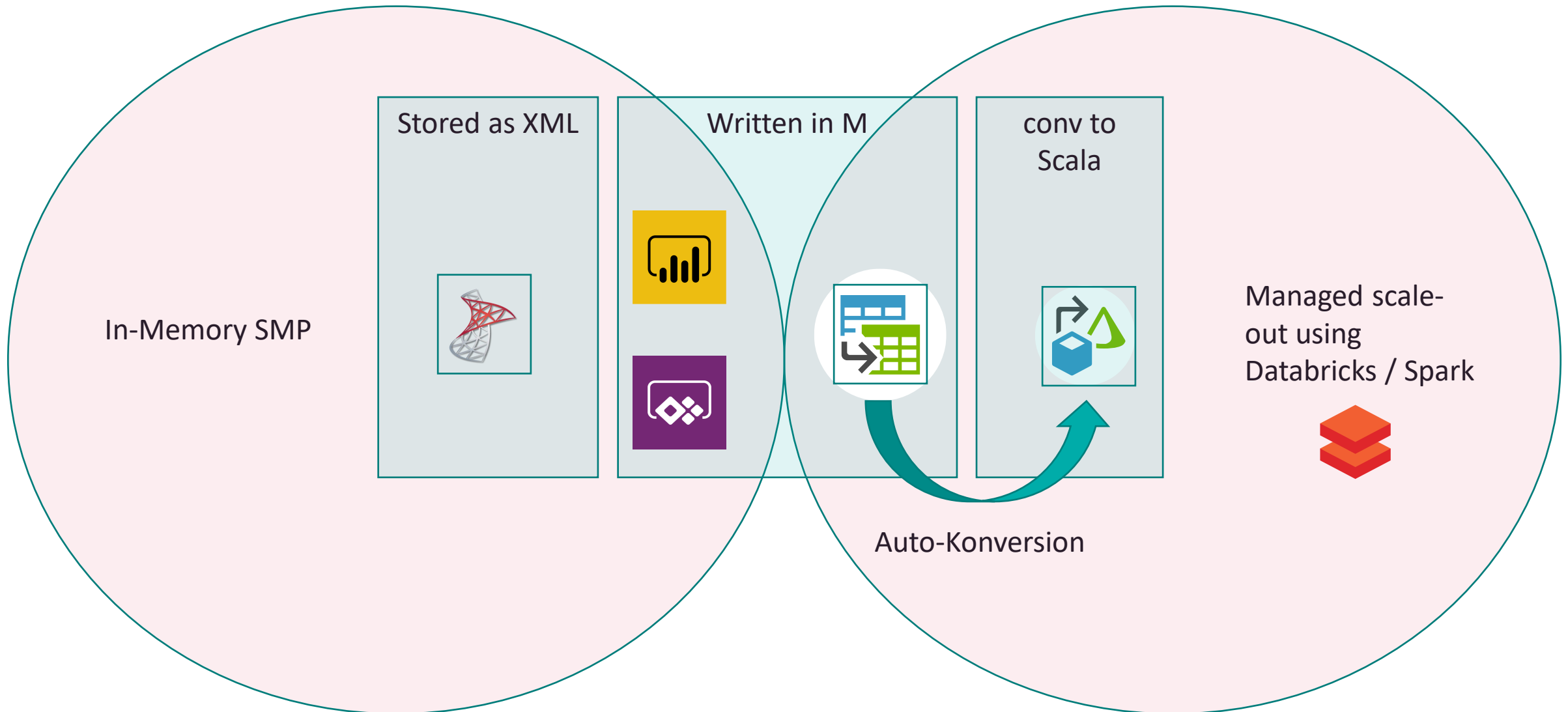
- Many supported data sources
- WYSIWYG Preview
- Common Data Services Mapping



PAIN

- No scale-out / no scale-up
- Limited persistence options
- Difficult application lifecycle

Technologies

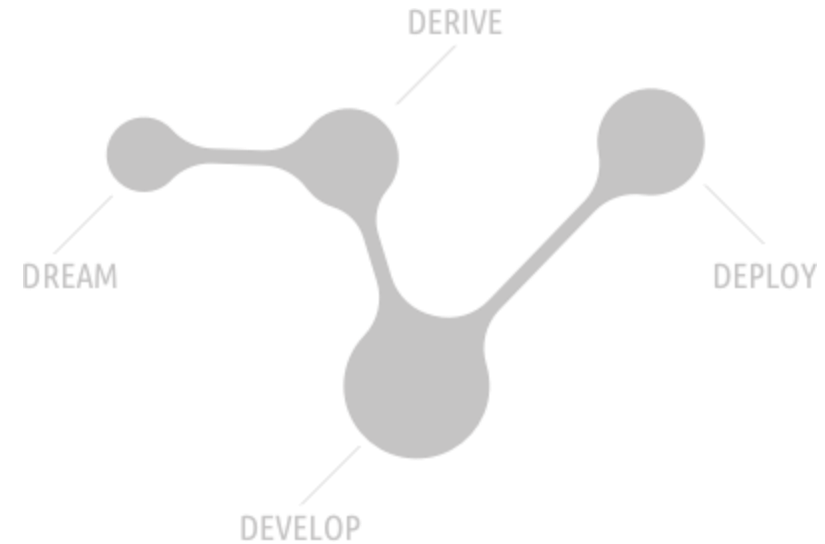


scieneers team

cannot support you much more with the stuff below...



...but we can help you to get your analytics in production



...to get knowledge from data and create value!

Thank you sponsors!!



SOLISYON



smart
casual
datadesign



DYMATRIX

Part of PIA Group

