

FMSync

An Open Source Solution for Synchronising Distributed Archaeological Databases
in a Centralised Open Access System

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CAA 2018, Tübingen

21 March 2018

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Motivation

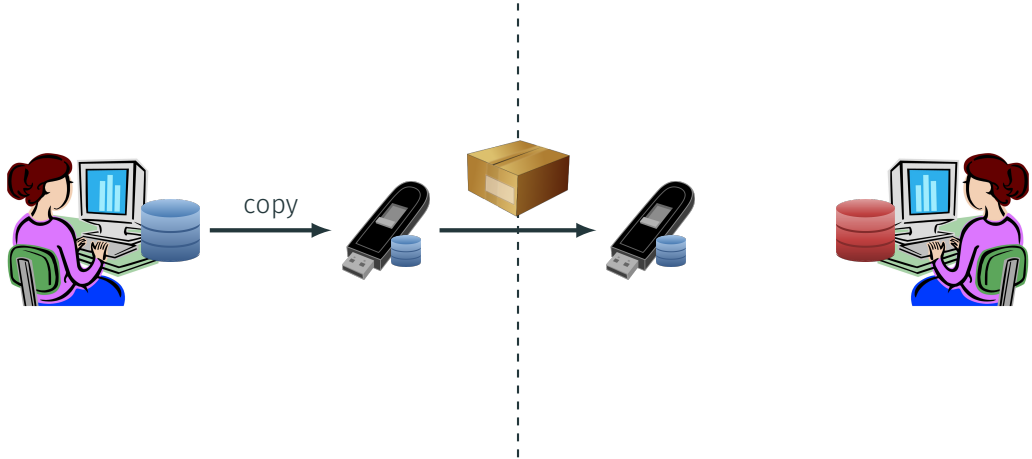
Before FMSync: Sharing Data



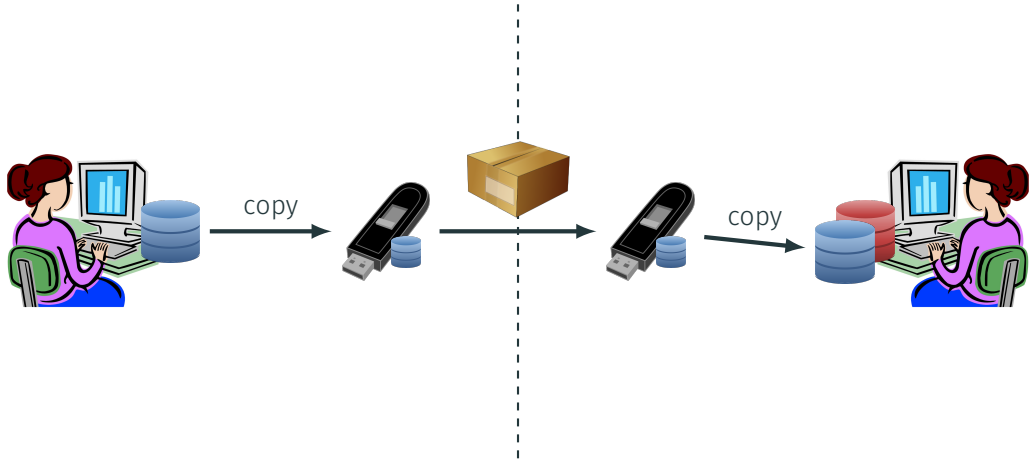
Before FMSync: Sharing Data



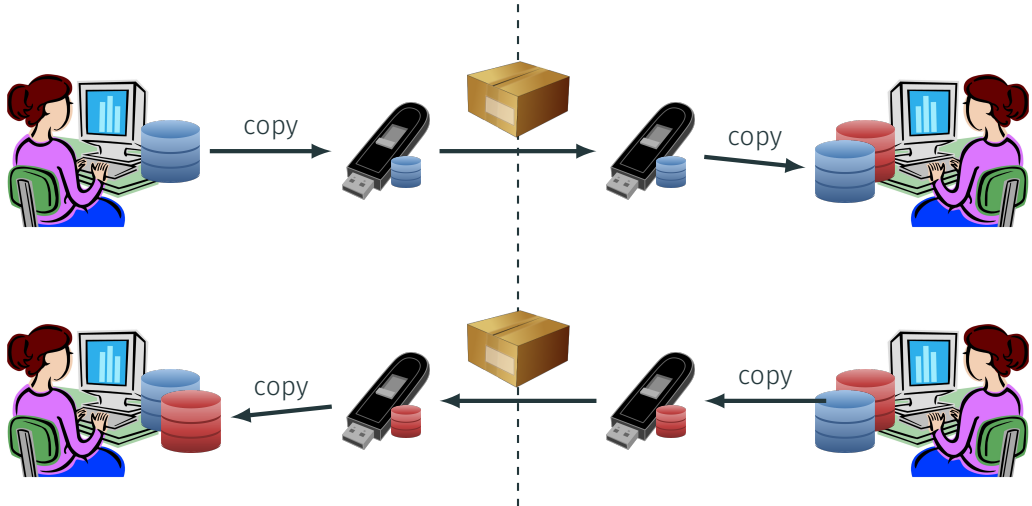
Before FMSync: Sharing Data



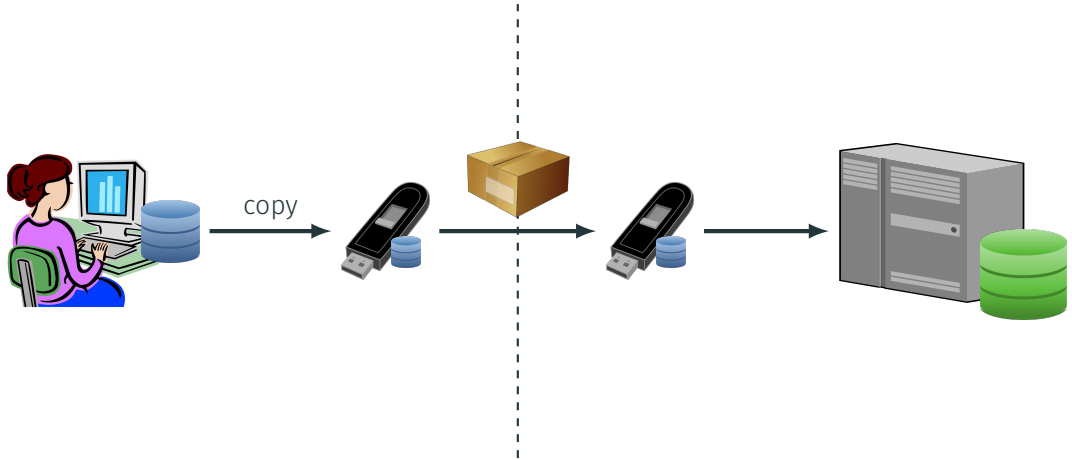
Before FMSync: Sharing Data



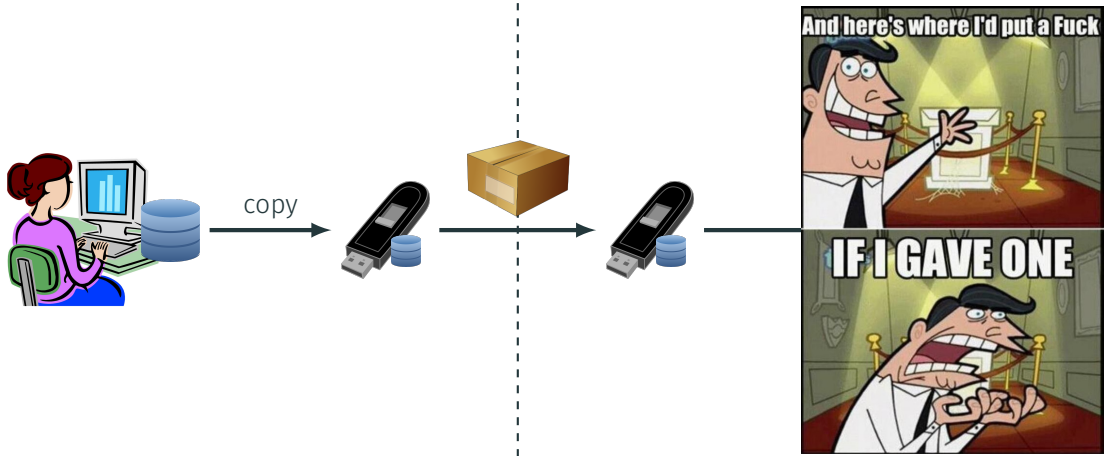
Before FMSync: Sharing Data



Before FMSync: Publishing Data

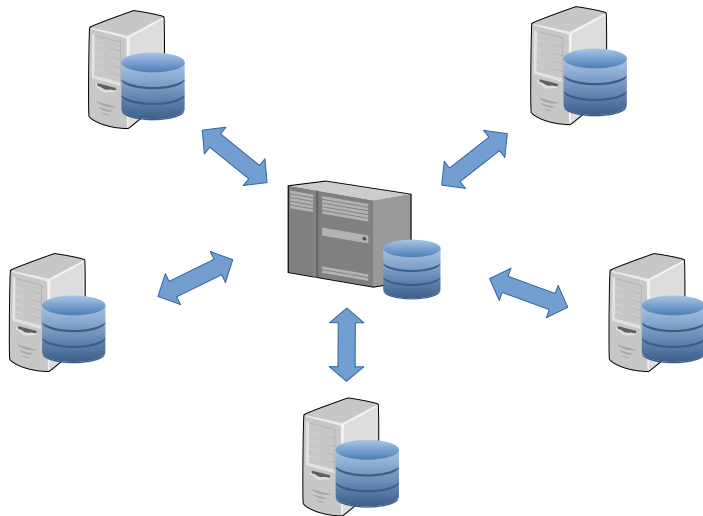


Before FMSync: Publishing Data



Approach

FMSync: Topology



Why underestimation is bad

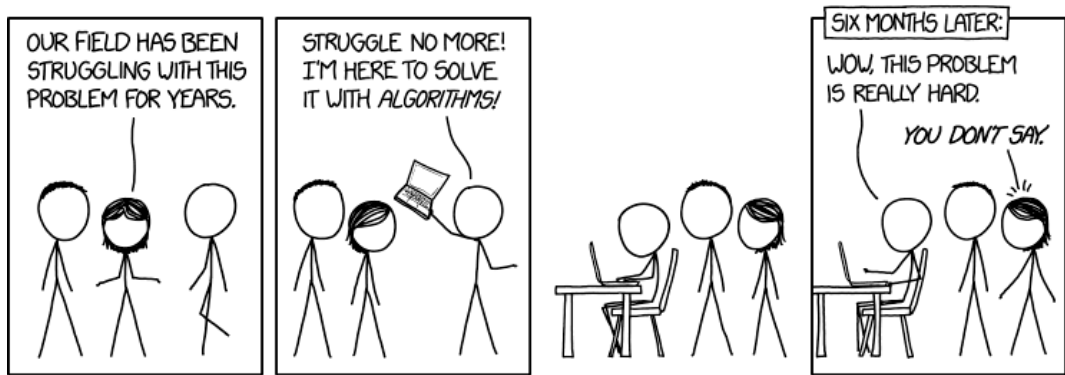


Figure 1: I can relate to this. [Source: xkcd.com/1831]

Yo, Felix! 'Tis nuthin nu.

SymmetricDS supports [...] Oracle, MySQL, MariaDB, PostgreSQL, MS SQL Server (including Azure), IBM DB2 (UDB, iSeries, and zSeries), H2, HSQLDB, Derby, Firebird, Interbase, Informix, Greenplum, SQLite, Sybase ASE, Sybase ASA (SQL Anywhere), Amazon Redshift, MongoDB, and VoltDB databases.

<https://www.symmetricds.org/>

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<https://www.symmetricds.org/>



Purchase Quote

				Quote Date	2018-03-09
				Quote Number	
				Expiration	2018-04-08
	Product	QTY	Unit Price	Extended Price	
FM160277LL	FileMaker Server 16 FLT Perpetual Volume License + 1 Year Maintenance (10 users)	1	US\$4,284.00	US\$4,284.00	
			Subtotal:	US\$4,284.00	
			Shipping:	US\$0.00	
			Estimated Tax:	US\$0.00	
			Total:	US\$4,284.00	

- Proprietary, badly written software
- Still totally not worth the price

open source (license!), free, platform independent (java)

Implementation

Foreign Key Difficulty

Thank you very much for your attention!

Questions?

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