FMSync

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

Felix Kußmaul¹

CAA 2018, Tübingen 21 March 2018

¹Archäologisches Institut, Universität zu Köln



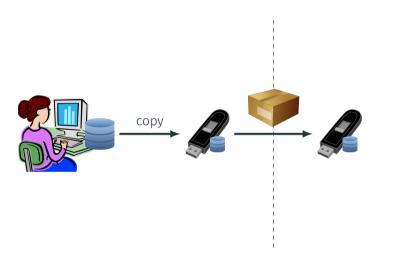
Motivation



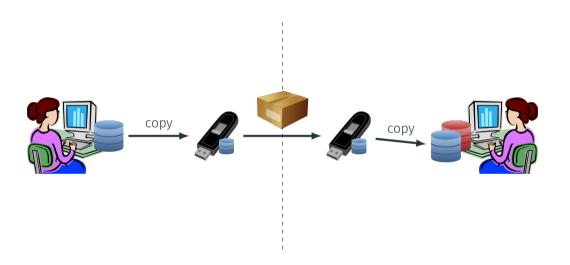


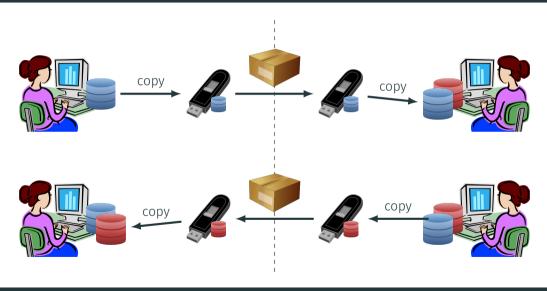










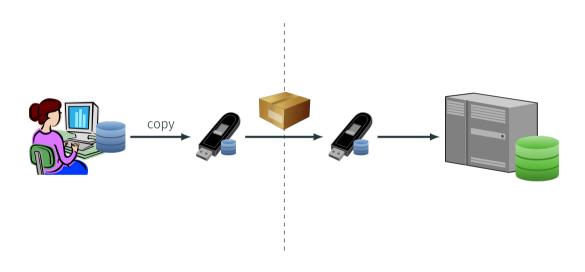








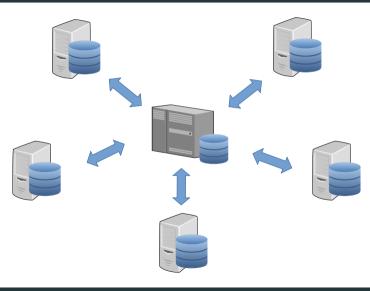






Approach

FMSync: Topology



Wait a second!

Yo, Felix! 'Tis nuthin nu.

https://www.fmpromigrator.com/order/index.html

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.

ttps://www.symmetricds.org/

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https://www.symmetricds.org/

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2018-03-09

Quote Date

Purchase Quote

			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

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Our Solution

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

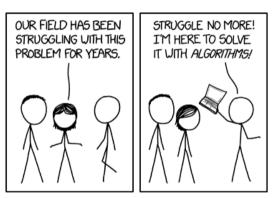






Figure 1: I can relate to this. [xkcd.com/1831]

Implementation

screenshot

Inhalt...

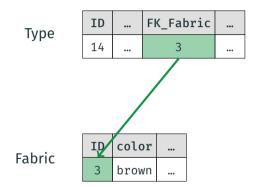
arachne

bisschen zur zentralisierung

Туре

ID	•••	FK_Fabric	•••
14		3	

ID	color	***
3	brown	



Туре

ID	•••	FK_Fabric	•••
14		3	

Fabric

ID	color	•••
3	brown	:

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105		Х	

 ID
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 81
 red
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Fabric

ID	color	•••
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Туре

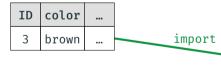
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Fabric



ID color ... 81 red ... 82 brown ...

Туре

ID	•••	FK_Fabric	•••
14		3	

ID	color	***
3	brown	

ID	•••	FK_Fabric	•••
105		Х	
106		3	

ID	color	•••
81	red	
82	brown	

Туре

ID	•••	FK_Fabric	•••
14		3	

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3	brown	

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ID	color	•••
81	red	
82	brown	

Туре

ID	•••	FK_Fabric	
14	:	3	

ID	color	***
3	brown	



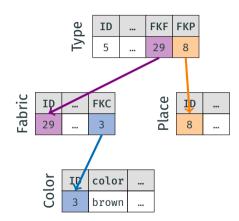
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81	red	
82	brown	

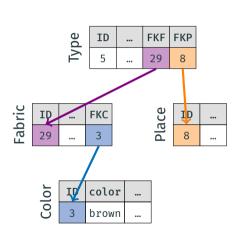
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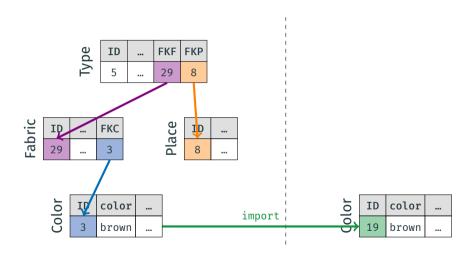
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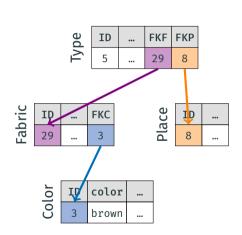
Place ... 8 ...

1D color ...
3 brown ...

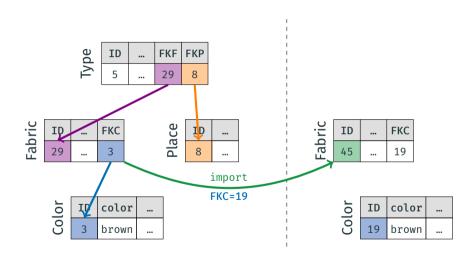


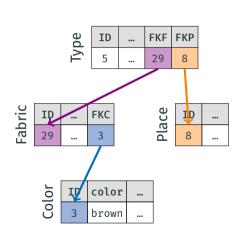


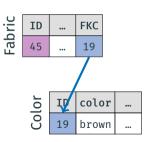


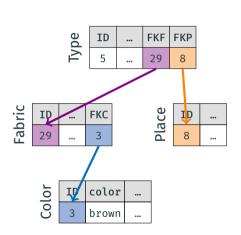


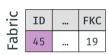
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S	19	brown	



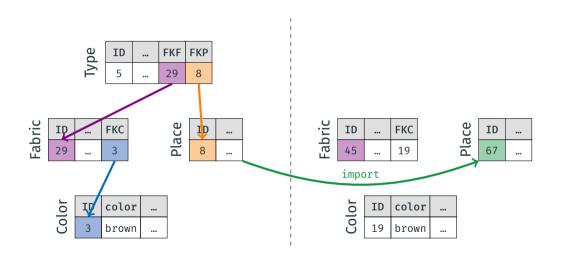


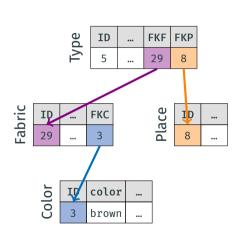


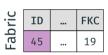




lor	ID	color	
ဝ	19	brown	

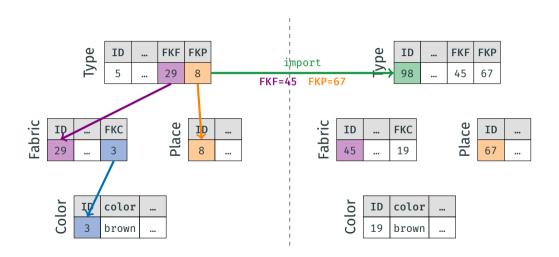


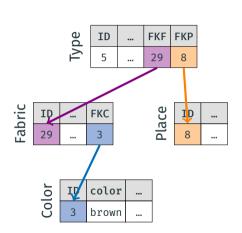


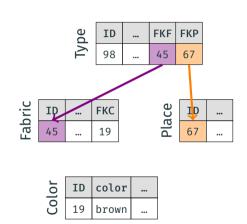


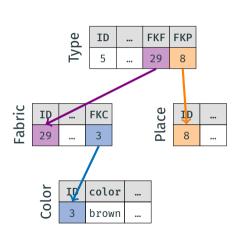
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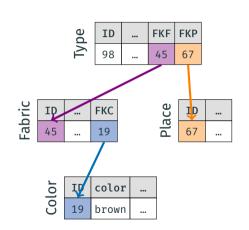
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0	19	brown	











Thank you very much for your attention!

https://github.com/horle/fmsync Questions?

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