

iMeMex: Escapes from the Personal Information Jungle

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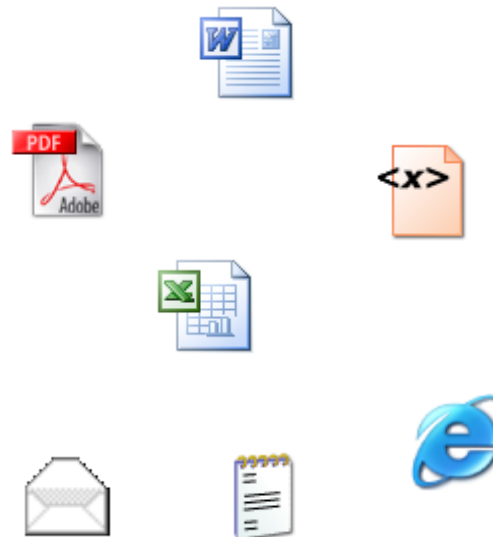
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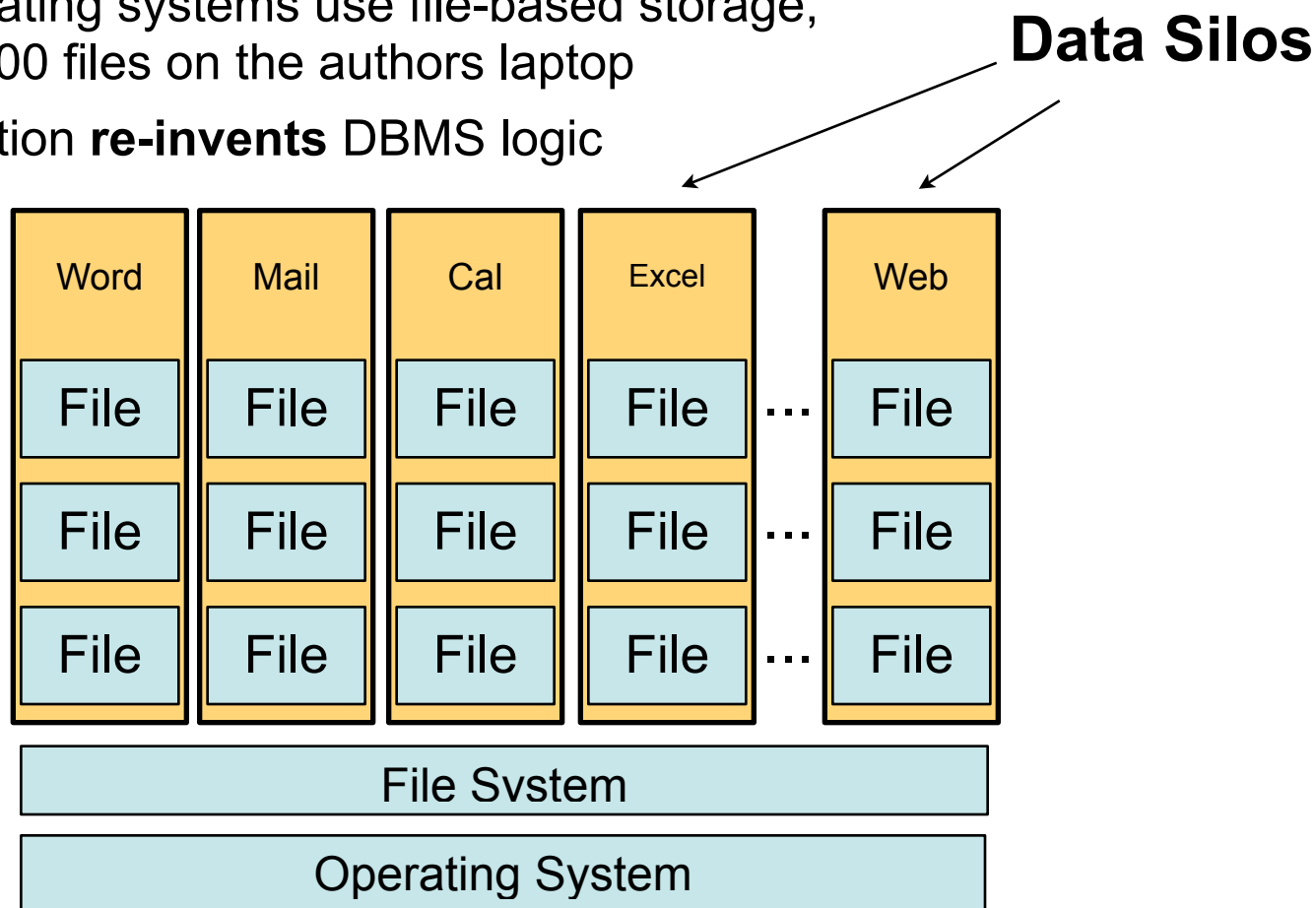
What is Personal Information?

- emails
- contacts
- pdfs
- excels, word, presentations, txt
- code (java, C++, ...)
- latex-sources
- pictures
- music
- application preferences
- OS configuration information
- passwords
- etc.



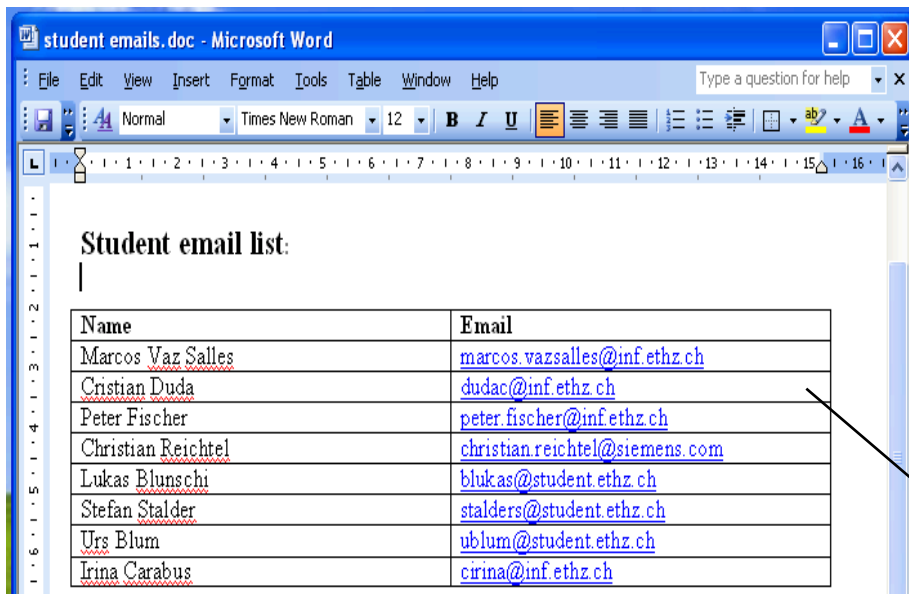
1st Problem: Data Silos

- Most data lies outside DBMS
- Current operating systems use file-based storage, e.g., > 700,000 files on the authors laptop
- each application **re-invents** DBMS logic



2nd Problem: Lack of Query Processing Capabilities

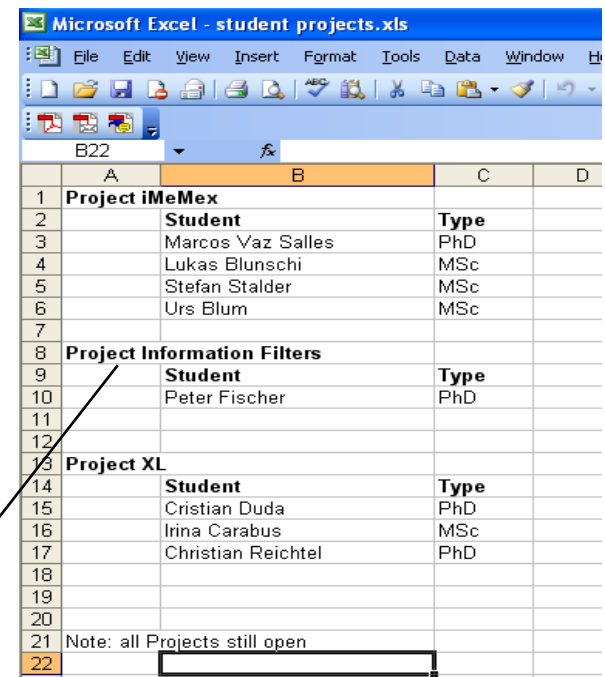
- How to do queries that go beyond simple keyword search?
- How to search for stuff exploiting structure/schema information?
- How to join data from different files?



student emails.doc - Microsoft Word

Student email list:

Name	Email
Marcos Vaz Salles	marcos.vazsalles@inf.ethz.ch
Cristian Duda	dudac@inf.ethz.ch
Peter Fischer	peter.fischer@inf.ethz.ch
Christian Reichtel	christian.reichtel@siemens.com
Lukas Blunski	blukas@student.ethz.ch
Stefan Stalder	stalders@student.ethz.ch
Urs Blum	ublum@student.ethz.ch
Irina Carabus	cirina@inf.ethz.ch

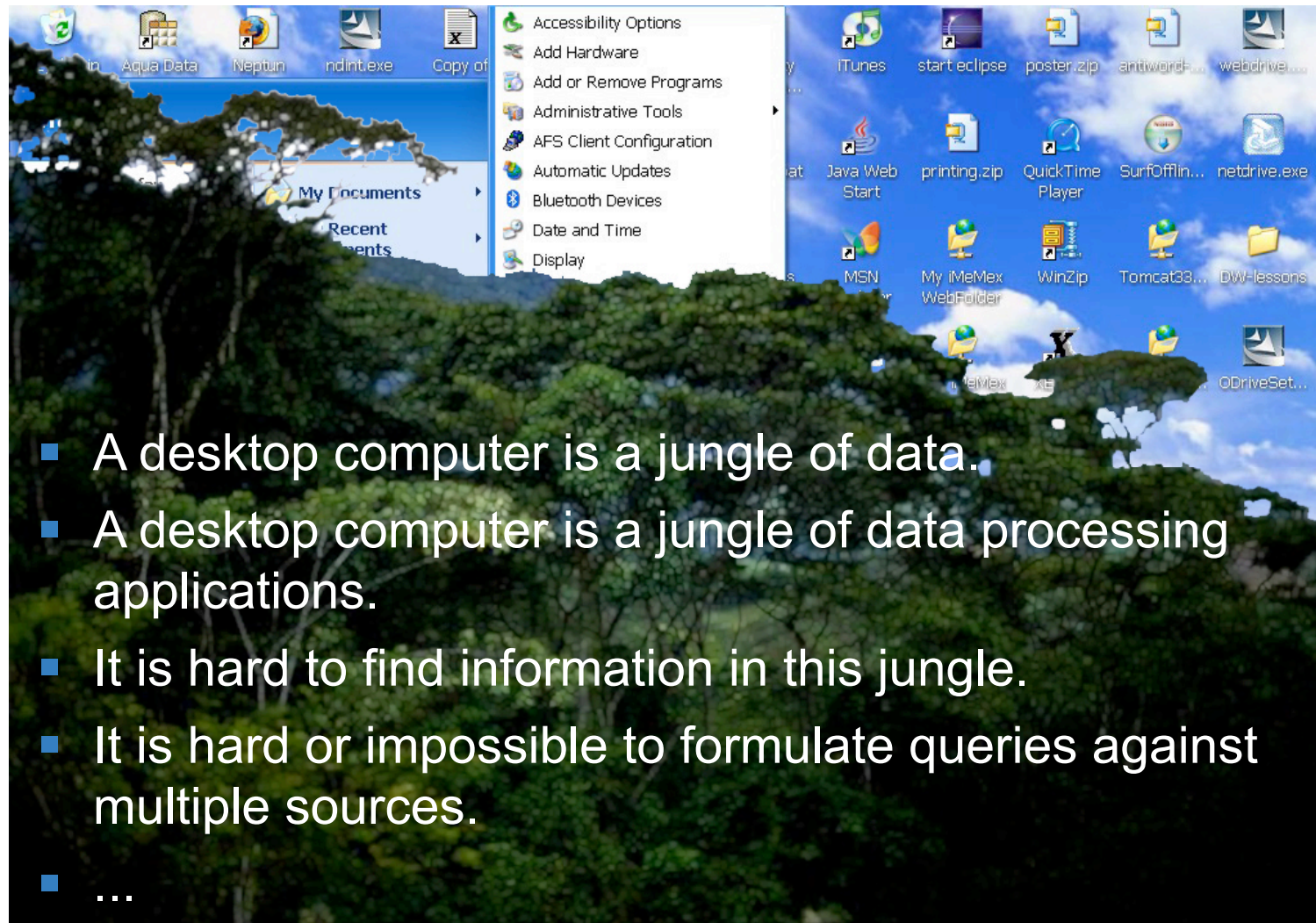


Microsoft Excel - student projects.xls

	A	B	C	D
1	Project iMeMex			
2		Student	Type	
3		Marcos Vaz Salles	PhD	
4		Lukas Blunski	MSc	
5		Stefan Stalder	MSc	
6		Urs Blum	MSc	
7				
8	Project Information Filters			
9		Student	Type	
10		Peter Fischer	PhD	
11				
12				
13	Project XL			
14		Student	Type	
15		Cristian Duda	PhD	
16		Irina Carabus	MSc	
17		Christian Reichtel	PhD	
18				
19				
20				
21	Note: all Projects still open			
22				

Generate a mailing list for the projects...

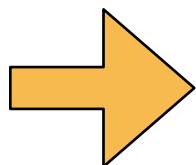
Consequence: a Desktop is an Information Jungle



- A desktop computer is a jungle of data.
- A desktop computer is a jungle of data processing applications.
- It is hard to find information in this jungle.
- It is hard or impossible to formulate queries against multiple sources.
- ...

Our Solution: integrated memex

How does that work?



See you at the Demo Grounds!!!



Why is there a potato?