eCommerce is growing by more than 30% per year !Why and How to enter the e-World with your existing Lotus products

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About Us

Thierry Soubestre:

- Certified Lotus Instructor Dev & Admin R4 - R8.5
- Several Articles in Lotus Magazines including The View
- Teaching at IBM
- Specialist in Web 2.0 technologies and frameworks

Jean-Dominique Quinet:

- Certified Lotus Instructor Dev R4 - R8.5
- Sun J2EE Certification
- Certified Websphere Commerce Specialist

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Why doing e-commerce with Lotus Products

Because Lotus Provides several Built-in functionalities:

- ✓ Because you can ;-)
- ✓ Because you have some data/application in Lotus
- ✓ Because you have some knowledge of the platform
- ✓ Advanced Security based on layers
- ✓ Built-in Messaging
- ✓ Powerful and easy to use Search Engine
- ✓ Lotus Sametime Integration

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Why doing e-commerce with Lotus Products

...and Lotus Provides a robust and complete development environment:

✓Quick and robust integration with RDBMS via LEI or LSX LC, Java (Native connectors in both cases)

✓Rapid Application Development Environment

✓Choice of programming Language:

- Back-End:LotusScript, Java, XPages...
- Front-End: XHTML, Javascript, CSS...

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Why using Web 2.0 in e-commerce

✓Rich-client interface: the application looks like a desktop client as we only refresh zones inside the browser

✓Personalized Shopping: the products (and prices) can be easily adapted to the customer

✓Persistence: each action is sent to the server, therefore automatically saved

✓Css for Printing: no need to have a PDF transformation

✓...

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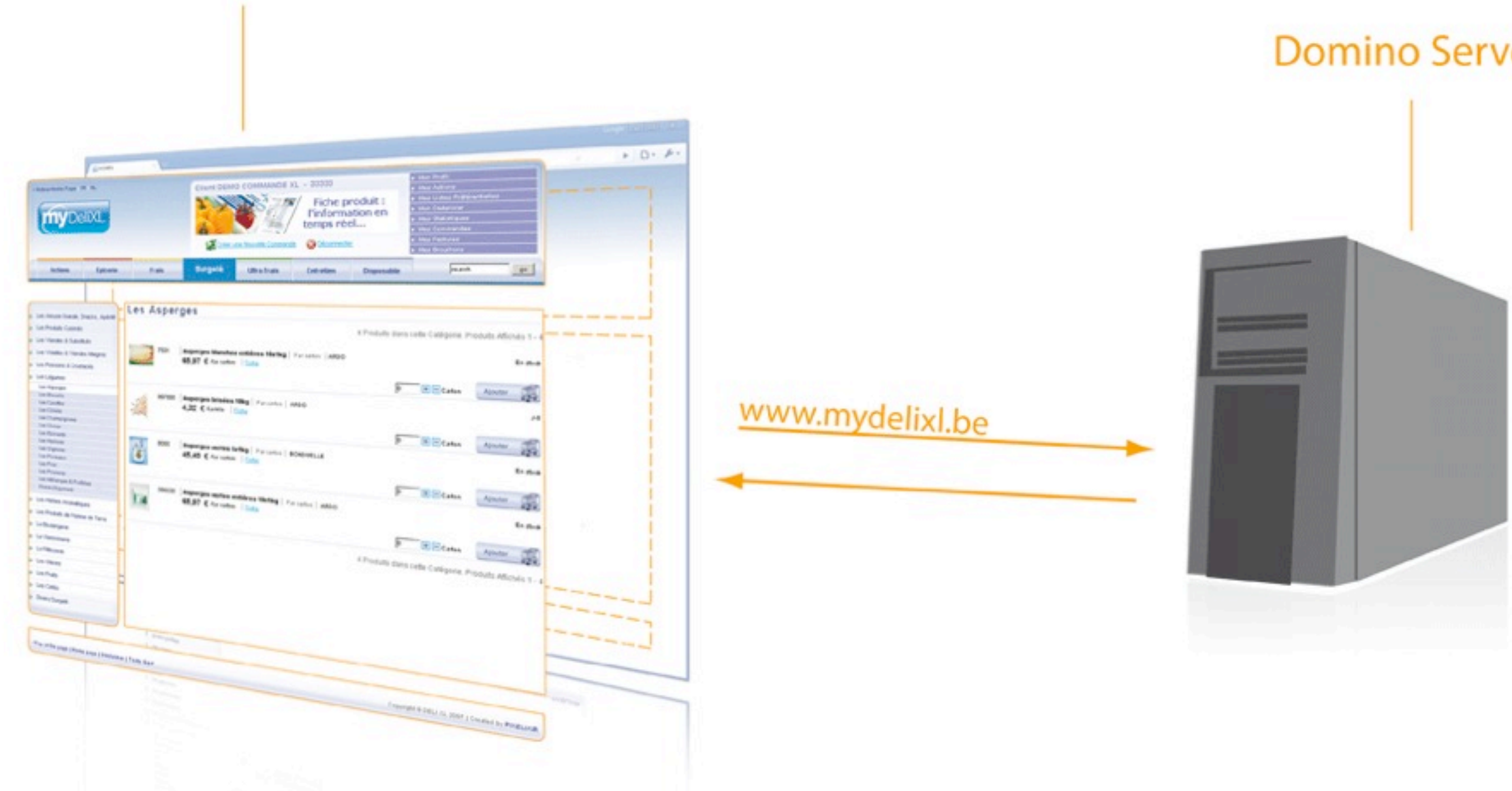
Anatomy of an AJAX Request



1. The User connects to the server, f.i.:http://www.mydelixl.be

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Anatomy of an AJAX Request

2. The User clicks a zone in the menu, the Ajax request is sent to the server

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Anatomy of an AJAX Request

Your browser

Domino Server

3. The Zone(s) is refreshed based on the AJAX response sent by the server

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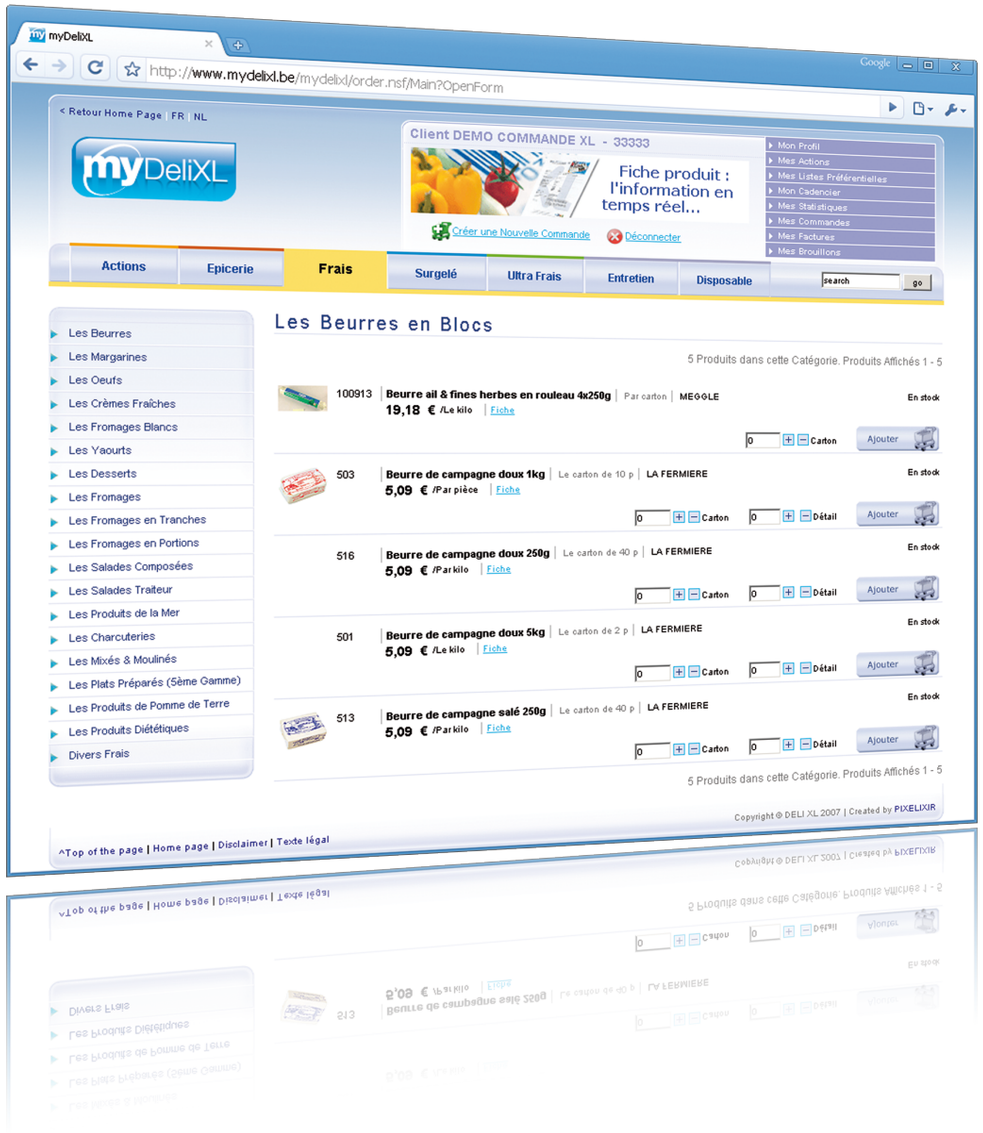
A case Study: www.mydelixl.be

✓Existing solution developed on Lotus Notes/Domino

✓Product Db containing 40.000 entries in Notes

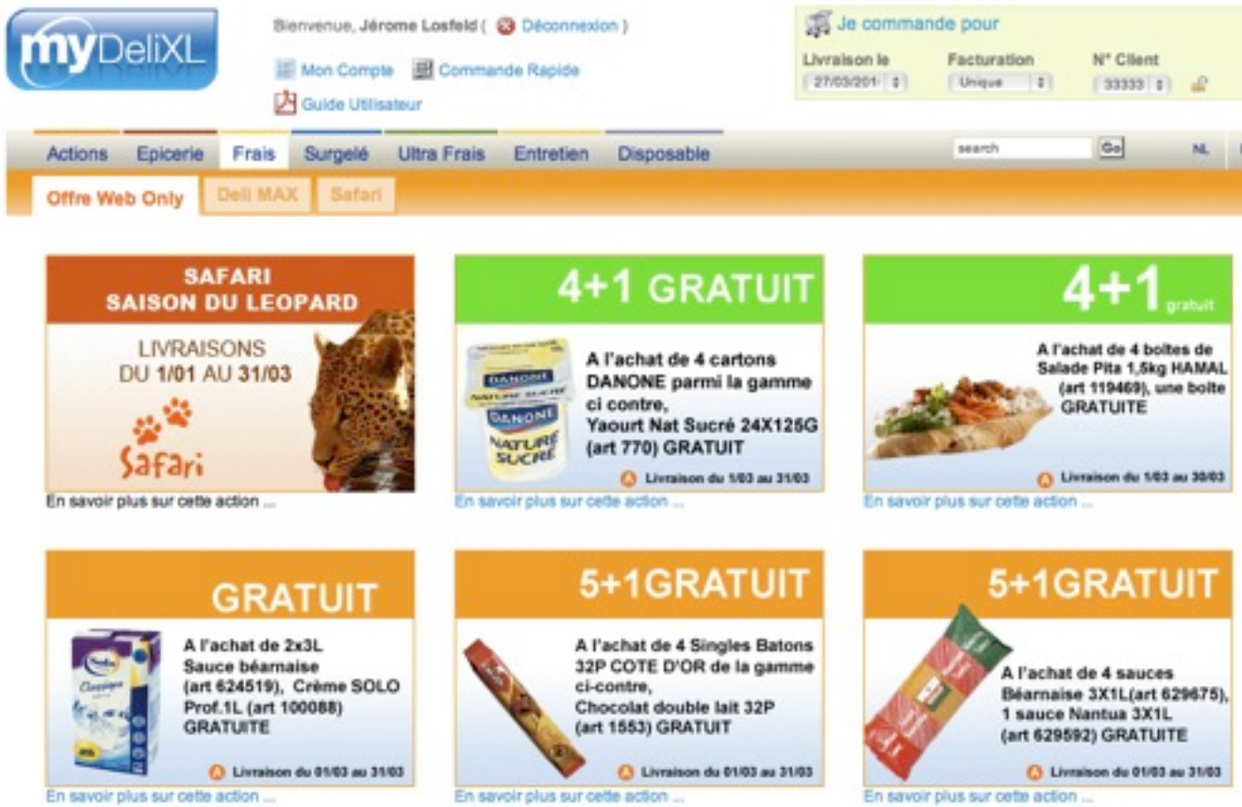
✓User Db serving Authentication

✓The Orders data were originally synchronized between Domino and iSeries via LEI (taking hours...)



A case Study: www.mydelixl.be

- ✓Final Solution consists of 3 databases on the Domino Side Synchronized partially with DB2 / 400
- ✓Users
- ✓ProductsOrders
- ✓Web front end built exclusively on Domino
  - ▸Web 2.0 front end using AJAX technology and massive Dom Manipulation



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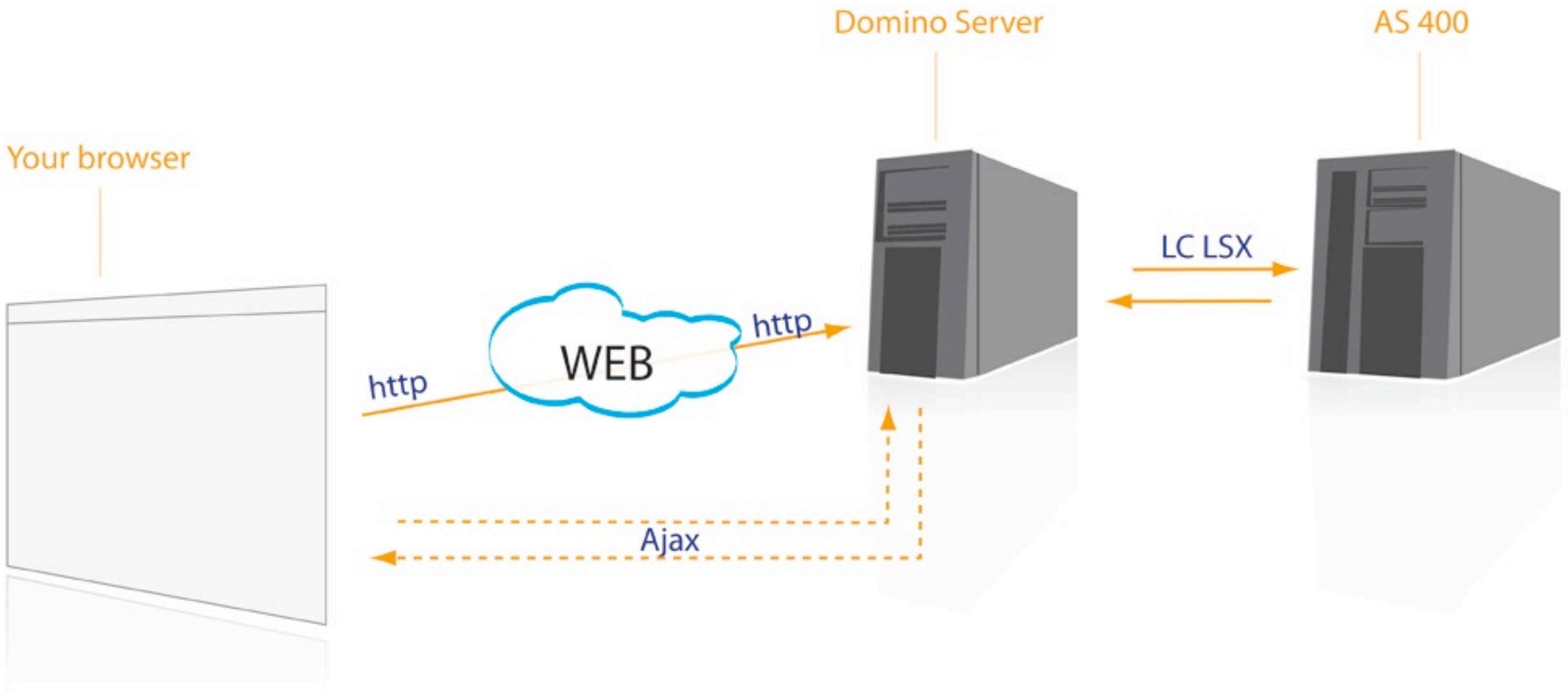
The mydelixl Architecture



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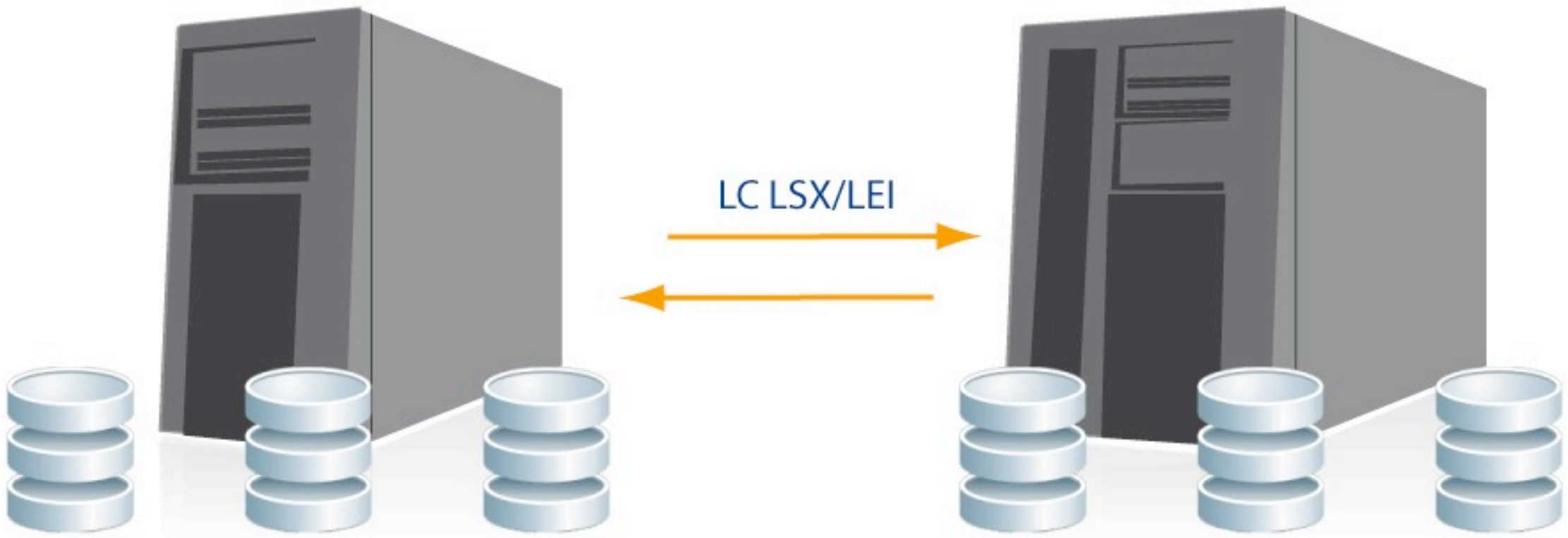
The Databases involved

Domino Server

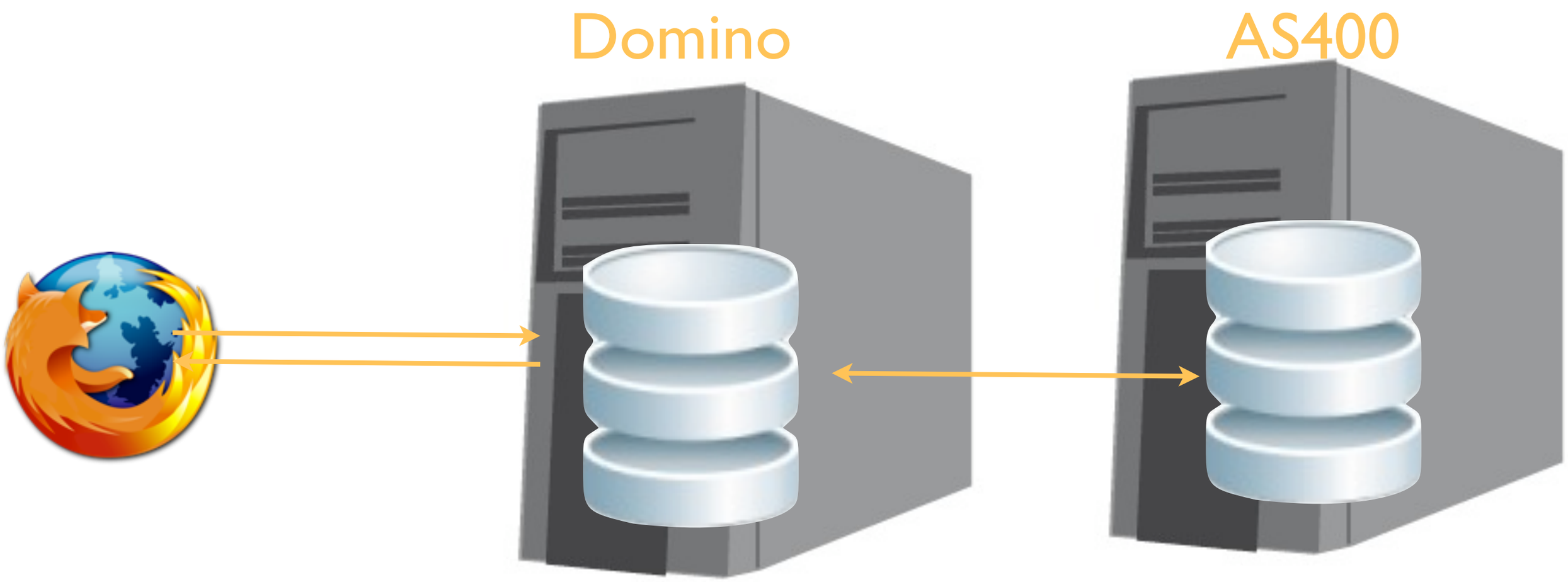
AS 400



Users - Products - Order

Users - Products - Order

What must be synchronized and how?



You can decide to synchronize the data fully or partially via LEI or LSX/LC

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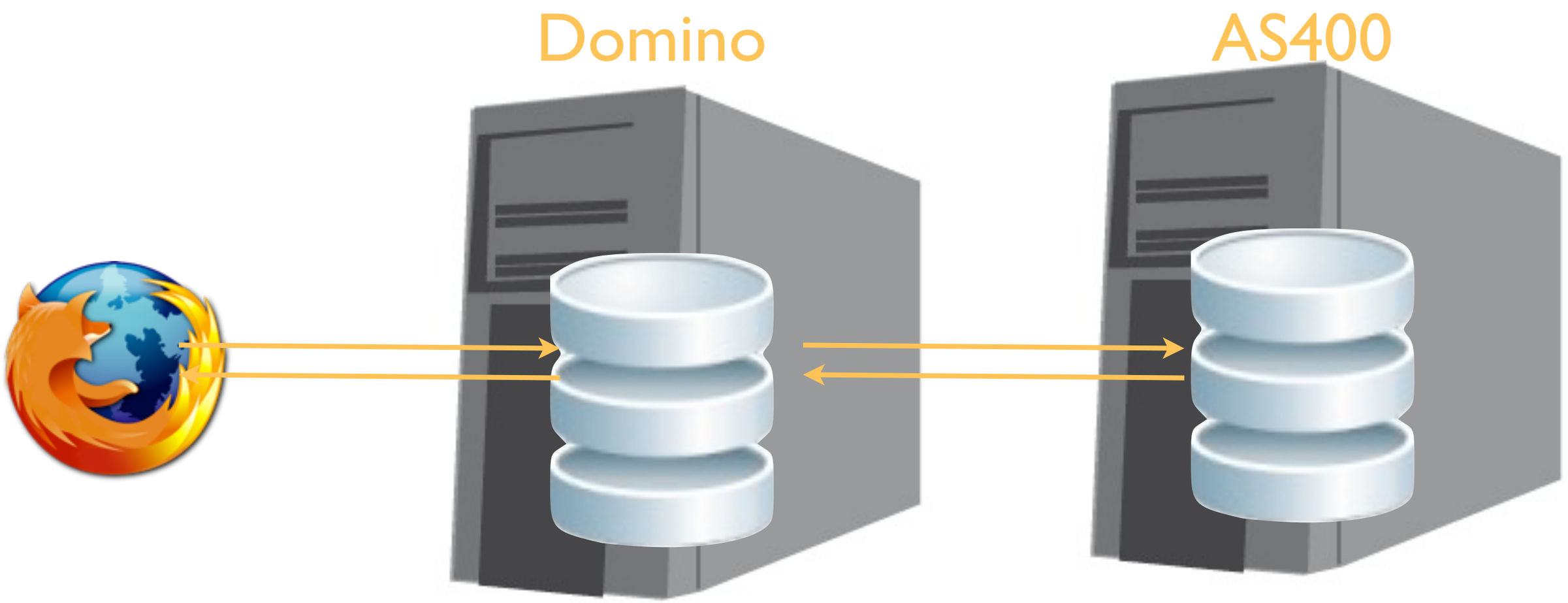
What must be synchronized and how?



✓ *...But in some cases there's no need to store the data and it's even inconvenient so we send it directly to the AS400 and we retrieve it directly*

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The mydelixl Evolution

V1	V2	V3	V4	V5
-First Web 2.0 Interface -Favorites -Statistics -Invoices -Drafts	-Advanced User Mgt -New AS400 Integrations	-Rebranding -1 basket	-www.delidays.be	-Next...

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A case Study: www.delidays.be

✓ The challenge: 3 months to build from scratch a virtual fair with more than 70 shops!

- multiple navigations to address multiple user profiles.
- flash integration
- complex ordering system solved by a rich web2.0 interface
- no AS400 storage
- highly personalized experience

- points
- order status
- advertising
- ...

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A case Study: www.notmaison.be

✓ A real estate website, an secure extranet used by more than 1000 users.

- map integration
- webservices
- google api
- an evolutive website
- a complete real estate management system
- integration with external system
- webservices

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