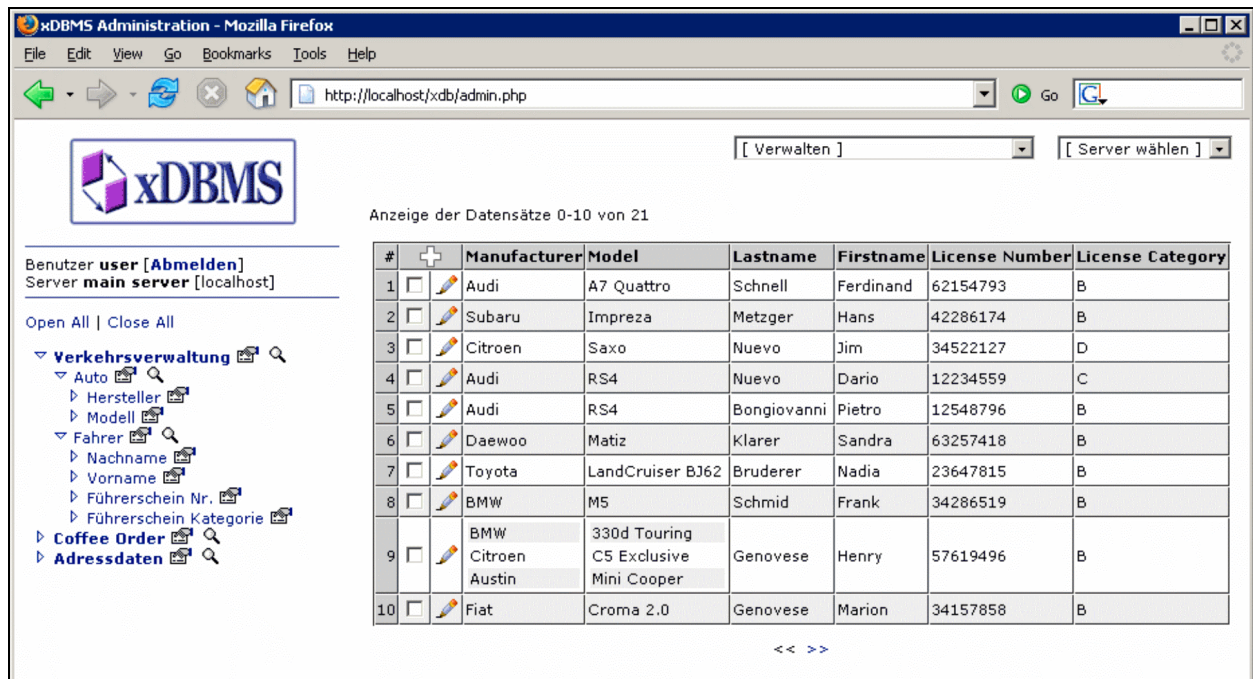


xDBMS – Innovative Database Technology

Easily develop individual database software for powerful enterprise applications.



xBDBMS Administration - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://localhost/xdb/admin.php

[Verwalten] [Server wählen]

Anzeige der Datensätze 0-10 von 21

#	+	Manufacturer	Model	Lastname	Firstname	License Number	License Category
1	<input type="checkbox"/>	Audi	A7 Quattro	Schnell	Ferdinand	62154793	B
2	<input type="checkbox"/>	Subaru	Impreza	Metzger	Hans	42286174	B
3	<input type="checkbox"/>	Citroen	Saxo	Nuevo	Jim	34522127	D
4	<input type="checkbox"/>	Audi	RS4	Nuevo	Dario	12234559	C
5	<input type="checkbox"/>	Audi	RS4	Bongiovanni	Pietro	12548796	B
6	<input type="checkbox"/>	Daewoo	Matiz	Klarer	Sandra	63257418	B
7	<input type="checkbox"/>	Toyota	LandCruiser BJ62	Bruderer	Nadia	23647815	B
8	<input type="checkbox"/>	BMW	M5	Schmid	Frank	34286519	B
9	<input type="checkbox"/>	BMW	330d Touring	Genovese	Henry	57619496	B
10	<input type="checkbox"/>	Citroen	C5 Exclusive	Genovese	Henry	57619496	B
		Austin	Mini Cooper				
10	<input type="checkbox"/>	Fiat	Croma 2.0	Genovese	Marion	34157858	B

<< >>

Dynamic record view in xDBMS

- **Efficient:** Eliminates redundancy; generates consistent and cost-effective workflow.
- **Sturdy:** Our Meta-Engine is fast, stable, traceable, and comes with a sophisticated authorization system.
- **Simple:** No more elaborate programming. **xBDBMS** automatically takes care of all those annoying, complex tasks.
- **Guaranteed:** Saves up to 40% in development, maintenance, and operating costs.
- **Connected:** Effortlessly assimilates existing data collections.

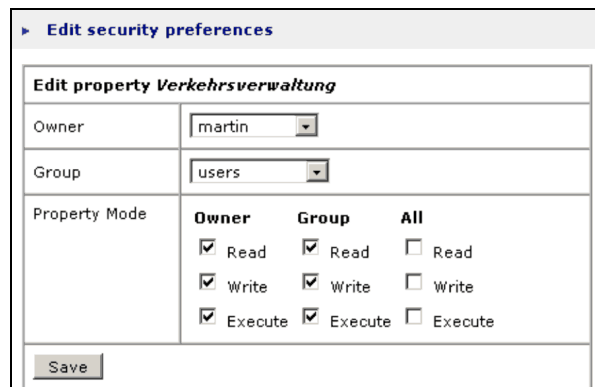


No more redundancy

xDBMS stores any and all values – such as the name «Miller» – only once. The storage process ensures that existing entries aren't duplicated but only referenced – no matter how complex the object. So if you have several customers who live in the same building, the address is stored only once.

Embedded security

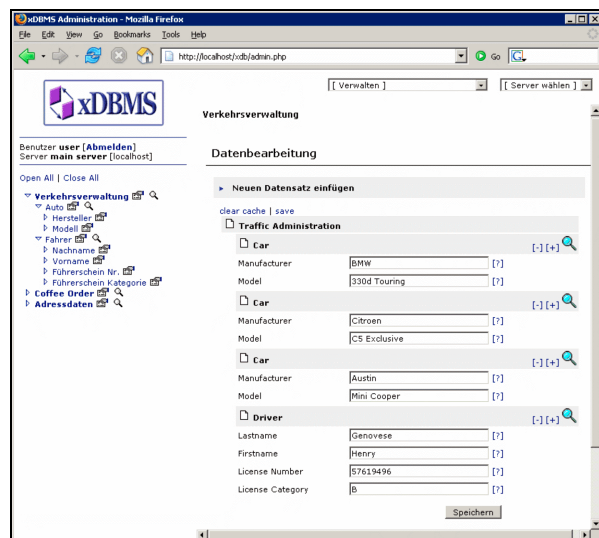
xDBMS is password-protected and accessed by a secure connection. Each node can be authorized individually.



Security adjustments for «traffic administration»

Ease of use

xDBMS's intuitive GUI ensures that users will immediately feel comfortable utilizing the web application. The user-interface is automatically generated in real time and instantly adapts to changes in the database. The layout can be adjusted individually for any class or application.



Dynamic treatment: Several cars per holder

Tunable behavior

xDBMS application behavior can be tuned to each user's specific needs. A sophisticated state-of-the-art access method ensures that users can only access data and applications for which they are authorized.

High-Speed

xDBMS technology guarantees rapid access to even the most complex data models.

Linguistically gifted

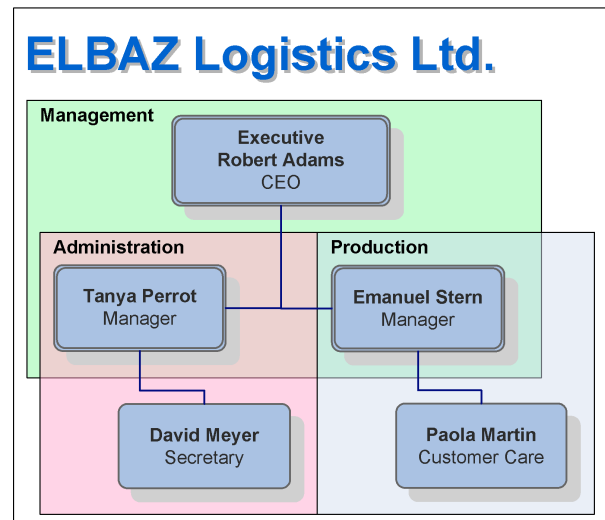
xDBMS's multilingual user interface can easily be modified to support additional languages.

#	XdLangCatName	XdTransName	XdLangEN	XdLangDE	XdLangFR
1		Address Data	Adressdaten	Fichier d'adresse	
2		Person	Person	Personne	
21		Firstname	Vorname	Prénom	
22		Lastname	Nachname	Nom de famille	
3		Address	Adresse	Adresse	
31		Address Row 1	Adressezeile 1	Ligne d'adresse 1	
32		ZIP	PLZ	Code Postal	
33		City	Ort	Lieu	

Editing multilingual texts with the standard editor

Integrated business modeling

xDBMS is capable of accurately modeling your entire business.



Business model of the company Elbaz Logistics Ltd.

Reduced maintenance

xDBMS automatically handles many complex tasks in the background. Maintenance is reduced to an absolute minimum.

Multiple applications

xDBMS allows multiple applications to share a single database, smoothly eliminating further redundancies and inconsistencies. The days in which each application needed an individual database are truly over!



Whoever seeks, that finds

Through simple selection of search criteria users can manage most complex search queries. Without expenditure in programming no bit is left hidden - provided the corresponding access rights are granted.

Search: Traffic Administration

License Number	ends with	96	
AND	Manufacturer	begins with	A

Search + Reset

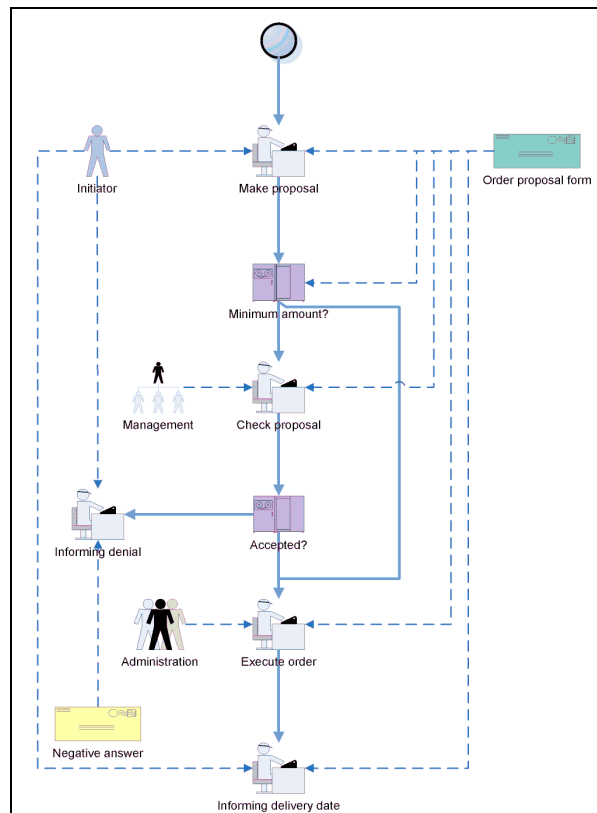
Showing records 0-2 from 2

#	+	Manufacturer	Model	Lastname	Firstname	License Number	License Category
1	<input type="checkbox"/>	Audi	RS4	Bongiovanni	Pietro	12548796	B
2	<input type="checkbox"/>	BMW Citroen Austin	330d Touring C5 Exclusive Mini Cooper	Genovese	Henry	57619496	B

Flexible search

Uncomplicated changing of the model

Alterations of the data model by reconfiguring are accomplished comfortably, even at run time. The data base on that occasion remains always consistent and arduous data conversions also belong to the past.



Perfect organization of workflows

Robust meta-engine

xDBMS is a so-called meta-database solution. The model of an application with its table- and class definitions therefore is configured within a record inside the database.

Because of that the base structure of **xDBMS** never has to be changed anymore. New fields, objects and records are configured simply and become available immediately, including all user interface masks and functions.

The **xDBMS**-Engine offers the unique opportunity to knit together mathematically conclusively the modeling of relational, object-oriented and data-warehouse applications. Every application therefore automatically becomes also a datawarehouse.

Object-oriented

Supports real inheritance for objects and classes which increases order and productivity.

Relational

All classes can be joined together from 1:m to m:n any and be searched and exported for the import into ordinary relational databases.

Datawarehouse

All data can be evaluated as multi-dimensional datawarehouse cubes.

Highly productive for developers

xDBMS reduces development costs to an absolute minimum. The numerous automatism's like among others user rights, automatic GUI, search functions and import/export interfaces, which the meta-engine already makes available completely and solidly, massively increases productivity during development. Routine works and arduous debugging are averted successfully. Agile development and BPM (business process management) with MDA (model driven architecture) and SOA (services oriented architecture) already are present inside **xDBMS**.

Flexible interfaces

xDBMS is open to each standard interface protocol. At the moment, XML and CSV-interfaces are implemented. The API as well enables an efficient integration into existing applications.



XML

The generic XML-interface allows trouble-free data exchange with any other system.

Datamining and AI

The standardized and integrated concept of **xDBMS** opens up completely new possibilities for investigations in the areas of data-mining and artificial intelligence as constraint programming, neural networks and fuzzy logic.



Versioning

Versioned data objects provide retraceability for all changes transparently.

Operating systems

The **xDBMS** core runs on many platforms and has been tested under Linux, Unix and Windows. Pre-requisite is an installed Apache web-server.

Grid-Computing

xDBMS offers fantastic possibilities for distributed applications and Grid-Computing because the data interfaces are the same for different kind of applications

Workflow-module

xDBMS allows to portray operational work courses elegantly and seamlessly with its integrated workflow- and BPM (business process management) module. The integrated organization model guarantees that no user can go over his competencies.

Workflow overview	
Bestellvorschlag [Initialize] [Edit permissions]	
Interner Bestellvorgang für Material	
Processing Workflows...	
✓	Bestellvorschlag [View] [View history] 01.10.2005 23:28:33 (wm) -
!	Bestellvorschlag [Continue] 15.09.2005 15:22:30 (martin) - At step "Vorschlag prüfen" -
✓	Bestellvorschlag [View] [View history] 02.05.2005 11:02:09 (dk) -
✓	Bestellvorschlag [View] [View history] 18.04.2005 13:31:42 (dn) -

Status view of workflow processes

Genesis

During the development of high-tech database kernels for other companies the Swiss engineer Wolfram Marwik was confident that such high-quality approaches could not be surpassed substantially anymore. However, some problematic restrictions without elegant solutions remained and therefore he never had given up looking to eliminate them.

In spring 2003, he finally discovered the long sought perfect solution, that with one hit integrates all known deficiencies and turns them to advantages. The idea emerged by observation of biological behavior with its flexible and dynamic information storage and transfer processes as well as by the study of management theories with bee colonies and other organisms.

In the meantime different versions of **xDBMS** have been developed and refined for practical use in everyday life and been extended with various additional modules.

Conclusion

The unique **xDBMS**-technology places new standards in productivity gain, access security as well as quality and flawlessness of applications.

With the efficient preparation of custom software applications we help you to inexpensively obtain crucial advantages over your competitors.

For further questions please simply contact us or your distribution partner. We appreciate to further explain details to you and discuss your project intentions.

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