



Lego-like middleware for internet  
developers

<http://www.qbizm.com>

[info@qbizm.com](mailto:info@qbizm.com)

WebDevelopers and System Integrators use HyperQbs™ as a tool and platform providing middleware support for developing extensive future-proof internet applications from distributed components called Qbs as a superstructure to Java, EJB and XML.

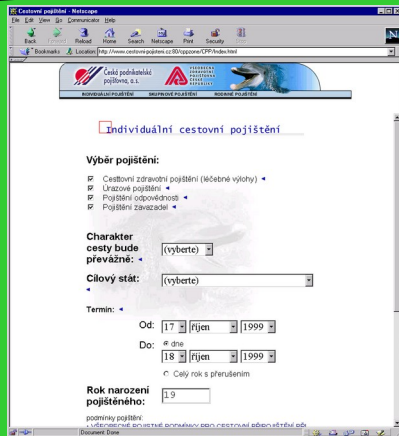
End user: Company with a need to conduct any type of business over the internet

Partners: Application developers, System Integrators, JAVA programmers





HyperQbs™ brings the same idea to e-commerce



There is always a Cube in Qbizm, like there is a brick in LEGO®.

# HyperQbs™ main features

“Component based development of presentation and application logic of a Web application”



“Event-driven server-side model”

“Adaptive work-flow application logic may be configured”



“True separation of User Interface and presentation logic”

# HyperQbs™ ... the art of e-commerce.

Cubes (Qbs) are essential components forming the final e

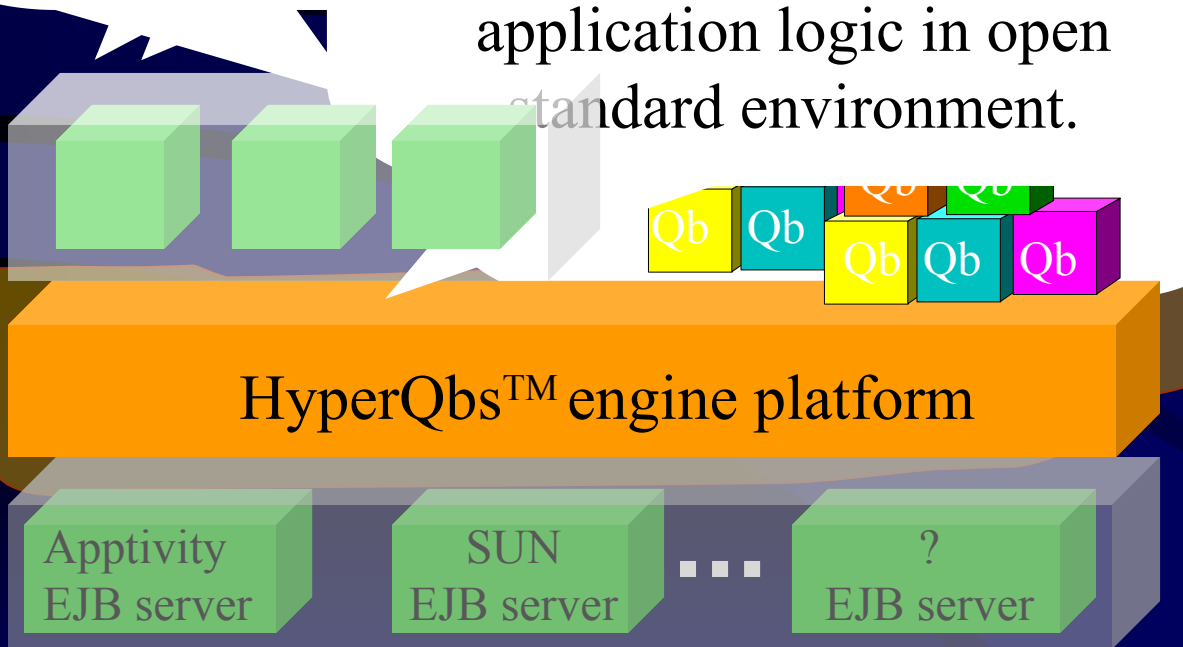
When You think imagine the idea

Any Standard Java development env. & tools (Apptivity, NetBeans, Java SUN Cafe, HyperQbs™ ...)

HyperQbs™ is th enabling Your and nents (Cube

gether, comm thus create desired application logic in open standard environment.

HyperQbs™ application therefore consists of the HQbs Engine and individual Qbs created by Application Partners. Implementation and deployment is easy with HQbs Drag&Drop tools and third party Qbs.



100% pure JVM (Java Virtual Machine)

## HyperQbs™ framework for building advanced Web applications has the following features:

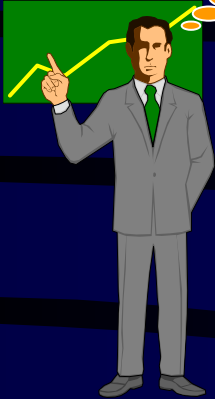
- Event-driven
- Adaptive work-flow
- True separation of User Interface and presentation logic
- Reusable and interchangeable components (Cubes  $\approx$  Qbs)
- Multilingual solution
- Secure and reliable server side processing
- small learning curve - based on open standards
- Platform independent using pure Java implementation (EJB)

There is always a Cube in Qbizm, like there is a brick in LEGO®.



# How can HyperQbs™ work for You?

your-idea.com



## I want:

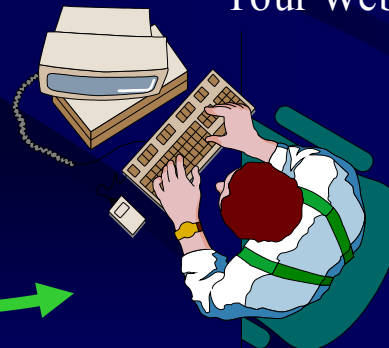
- an e-commerce solution
- tailored to suite my needs
- with unique functionality
- different then everybody else
- that is easily scalable & extendable
- to gain competitive advantage

Your System Integrator  
WebDeveloper



HyperQbs™  
and its Cubes

Your WebDesigner

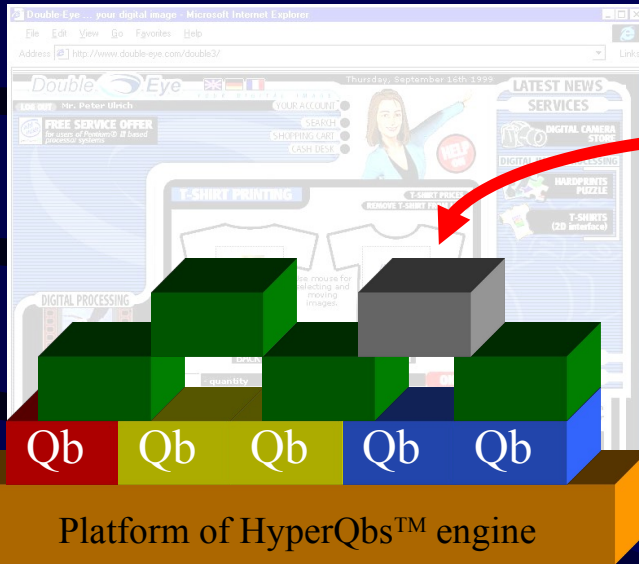
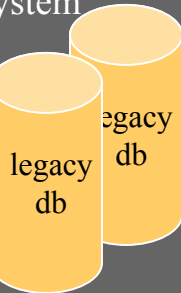


Regular tools for WebDesigner, the designer does not need any knowledge of HyperQbs™. The application logic is divided from the graphics. No scripting and programming necessary.

# What does Your developer do?

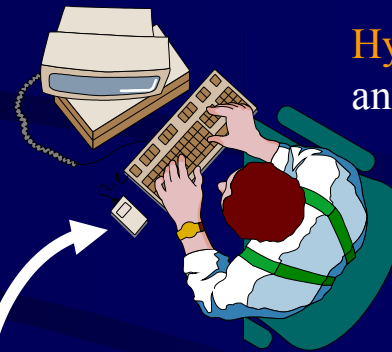
Your company

Your legacy information system



Your System Integrator,  
WebDeveloper

HyperQbs™  
and its Cubes



For new non-existent features, you can build your very own *Cubes* and trade with other developers via <http://on-line.hyperqbs.com> to extend the use of your HyperQbs™ platform.



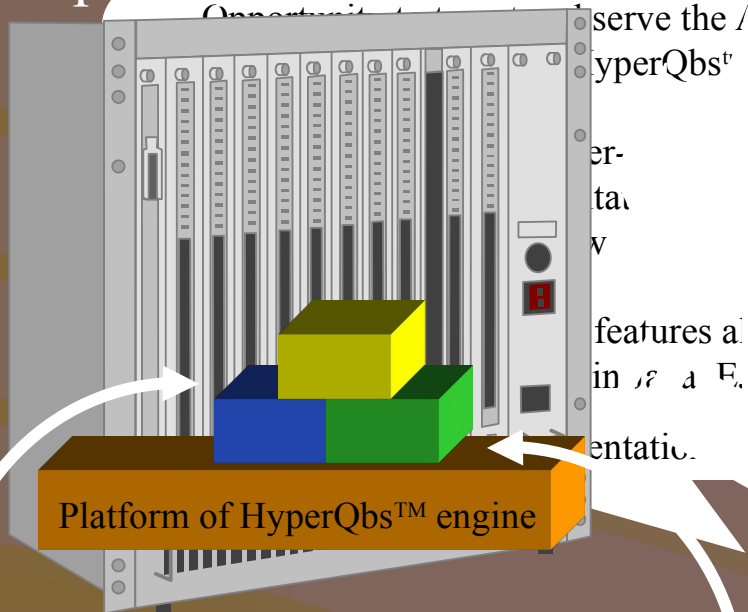
<ftp://on-line.hyperqbs.com>



# Rent applications over the Net

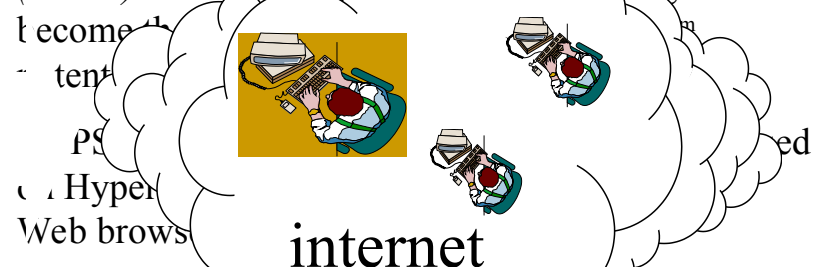
## Qbs on-line & HOPS

http://



http://on-line.hyperqbs.com

Let's imagine HyperQbs™ *Open Application Server (HOPS)* at <http://asn.hyperqbs.com> might



Users might rent HOPS and build, configure and personalize their own application over the Web. Such an application would be hosted on the HOPS server for End Users.

Qbs on-line  
Qbs available  
Each developer  
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and sold  
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projects.



http://www.your-idea.com

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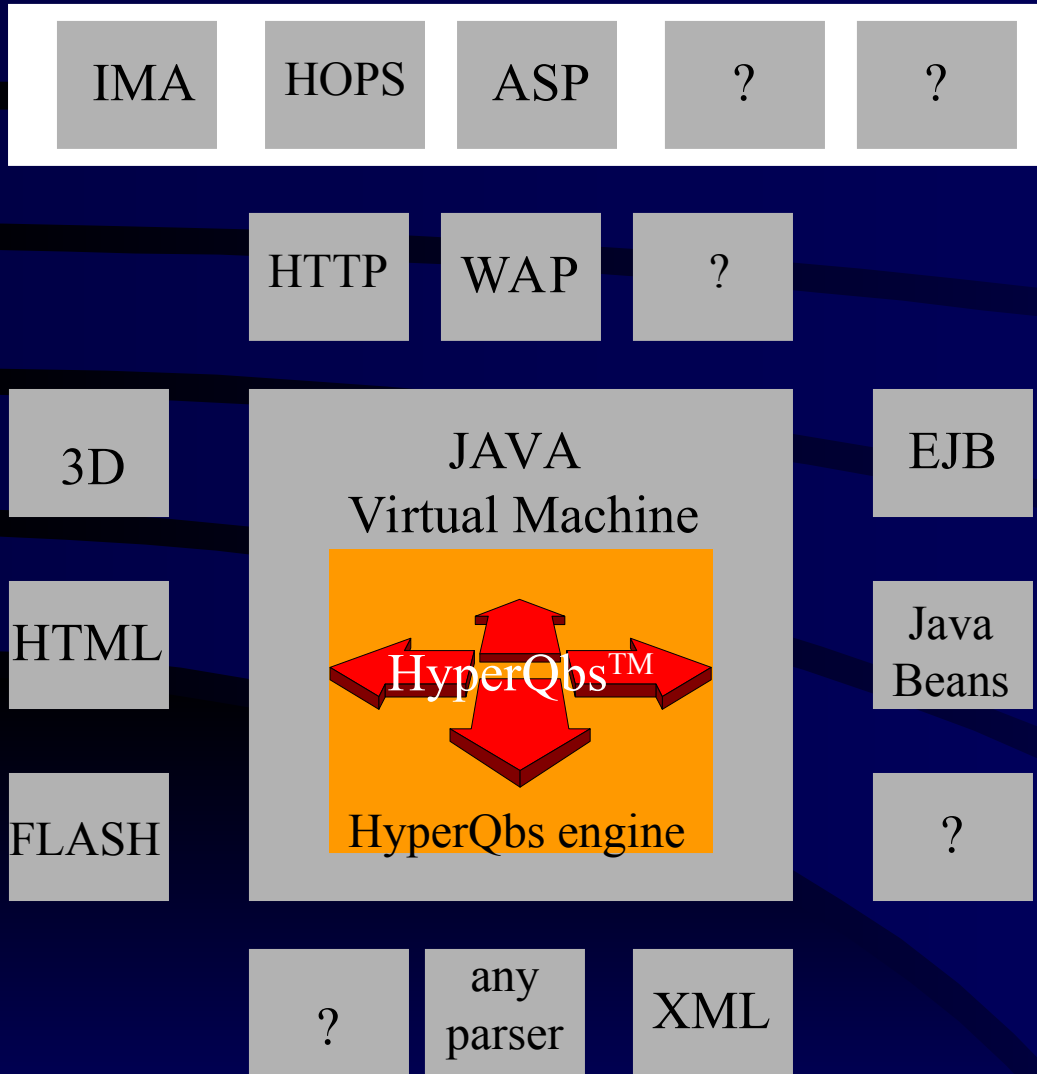
# The benefits of HyperQbs™

- Allow component based development of presentation and application logic of any Web application  
thus HyperQbs™ cut a great deal of programming effort, time to market and make applications more scalable and readable
- Event-driven server-side model  
delivers prerequisites to keep control, flexibility and security over a running application
- Adaptive work-flow  
application logic may be *configured* – no need to change application logic in already written reusable Qbs. Change only configuration of work-flow for appropriate Qbs.
- True separation of User Interface and presentation logic  
Qbs separate UI from application and presentation logic and pass data onto it

# ... this means that HyperQbs™

- Simplify, speed up, and systemize the work of developers and System Integrators in the development of heavy duty non-standard internet solutions.
- Allow Application Partners to easily and systematically build their own prefabricate applications which can be included into HyperQbs™ sales channel, extending the use of the platform.
- Deliver End User functionality unique to each internet solution (competitive advantage) yet in a standardized way, similar to how LEGO® construction sets work for kids.
- Platform independence and high scalability of its architecture.
- Small learning curve for developers and integrators because of the standard Java environment.

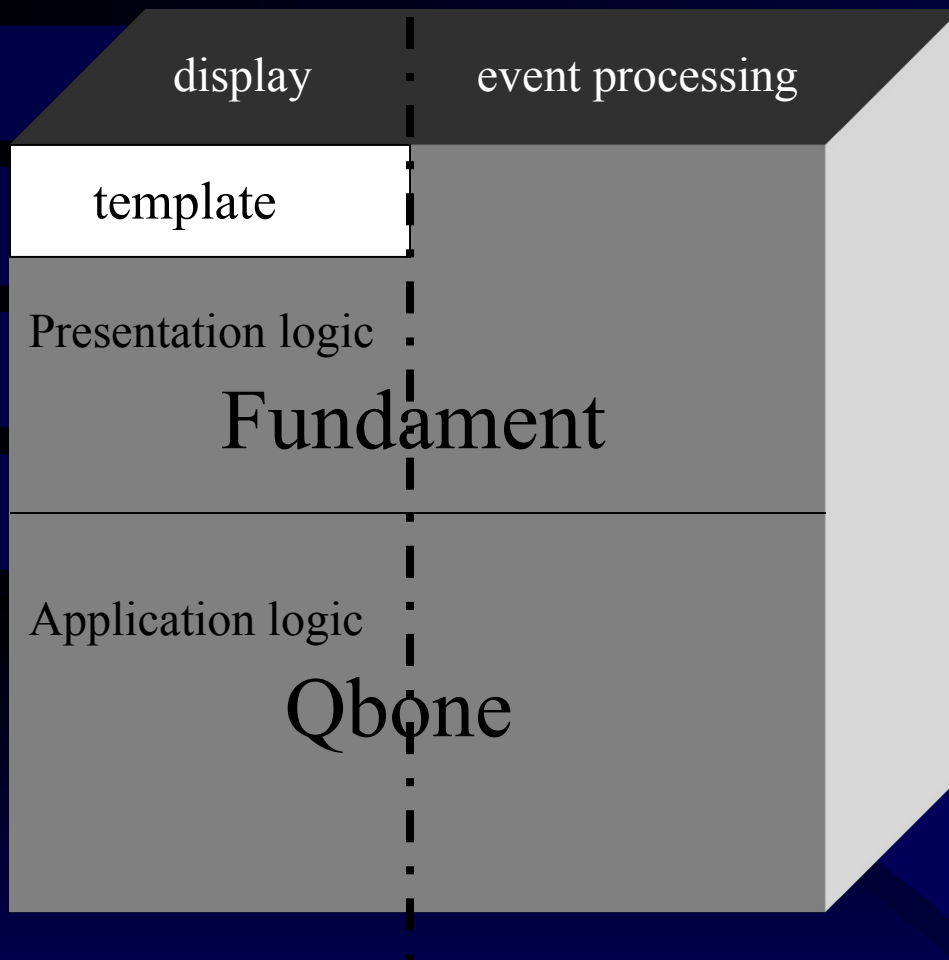
# HyperQbs run-time environment



HyperQbs™ run-time sits on top of Java Virtual Machine (JVM) and provides a platform to Qbs (visualized components) which consist of EJBs, XML and Java classes to respond to virtually any client/user request.

HyperQbs™ use XML as a data source, as a output format and for Qb and engine configuration.

# What's a Cube $\approx$ Qb?



- Each Qb is divided into two parts:
- first part takes care of presentation logic and is called *Fundament*
  - second part takes care of application logic and is called *Qbone*

Additionally *Fundament* uses templates for separating Web design (HTML, WAP, XML ...) from presentation logic, thus separating the work of a WebDesigner and a programmer

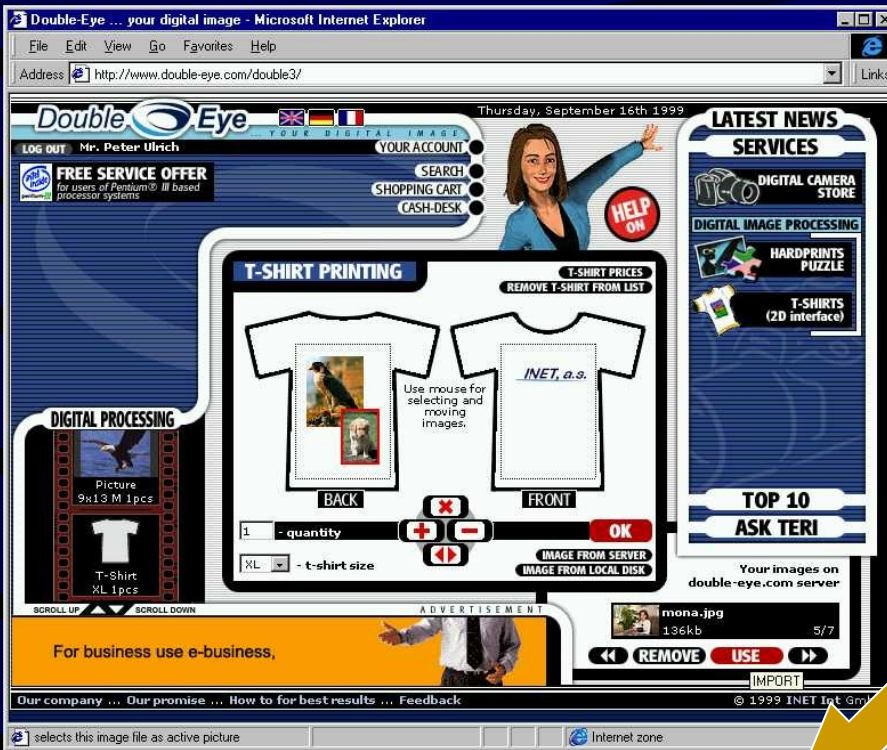
A Qb is not divided only to *Fundament* and *Qbone* parts. Both parts are subdivided into parts responsible for display and event processing

# Double Eye

...your digital image.

## Double-Eye

<http://www.double-eye.com>



Let's have a look at an extensive on-line e-commerce solution built with HyperQbs™.

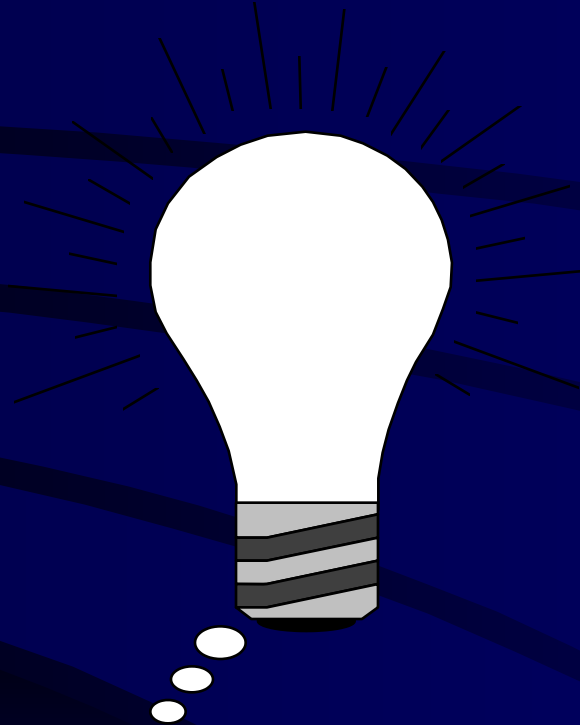
Used technology: Flash generator, VRML



# References:

- SHOP.CZ
- Double-Eye.COM
- Mov.a.Bit.COM
- Czech insurance company (Česká pojišťovna)
- Czech enterprenuer insurance company (Česká podnikatelská pojišťovna)
- NEXOS
- EDIS (package distribution company)

HyperQbs™  
<http://www.qbizm.com>



Our vision is **FUTURE-PROOF**