

## VASERControl

### **About:**

VASERControl was developed and is owned by OBJECT *dynamics* Software GmbH

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### **Keywords:**

Home Automation, EIB, KNX, Konnex, serve@home, miele@home

### **URL:**

<http://www.vasercontrol.com>

### **License information:**

After registration, a demo version is available for download. The demo version may be used to integrate 20 different components in a home environment.

### **Text:**

VASERControl is an integration platform to access and share information within different home automation systems.

VASERControl was developed using VA/Smalltalk 7.5.2 from Instantiations.

VASERControl was created because there was basically no way to integrate different home automation systems available within a building in a simple and manageable way.

The first task was to integrate white goods (dishwasher and hot plate) within the lighting system of our kitchen. Whenever we turn on the hot plate, the light above it turns on. If we open the door of the dishwasher, the light above it will turn on.

Now the system provides advanced functionality like an integrated multi room audio system, so e.g. if one goes to the bathroom, the motion detector will recognize the person, turn on the lights and have the music system play the same music as in the living room.

All of these tasks may be defined using VASERControl in an intuitive and fast way.

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VASERControl consists of two applications:

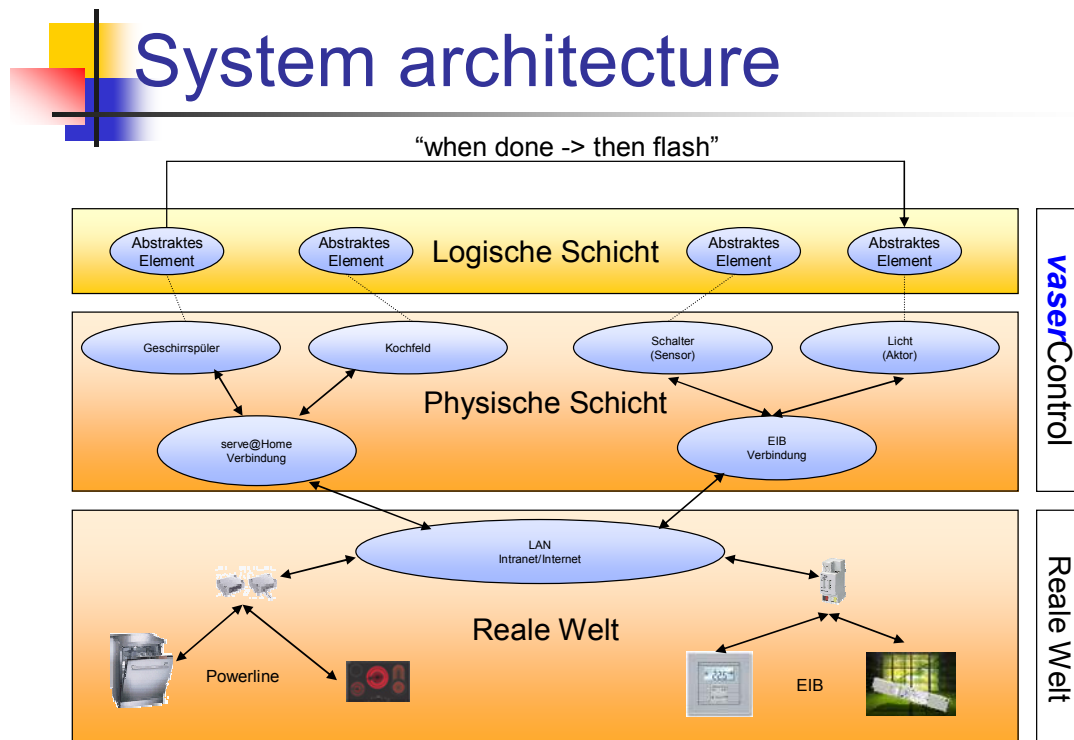
- A server application
- and an editor being used during the definition phase.

The server may be run as a headless console application or as a Windows Service.

The current supported connection types are

- EIB/KNX – Standardized home automation system (see <http://www.konnex.org>)
- Serve@Home – White Goods from Siemens
- Miele@Home – White Goods from Miele
- Squeezecenter – Audio System from Logitech
- USB devices
- Serial devices
- WebServices/RSS/HTML Subsystems
- Provides WebServer for Visualization (Smart tags)

The architecture defines a logical and a physical layer. The physical layer connects to the hardware whereas the logical layer abstracts the objects and makes them compatible. E.g. a String representing the title from the current song in the audio system is compatible with a string for the KNX system.

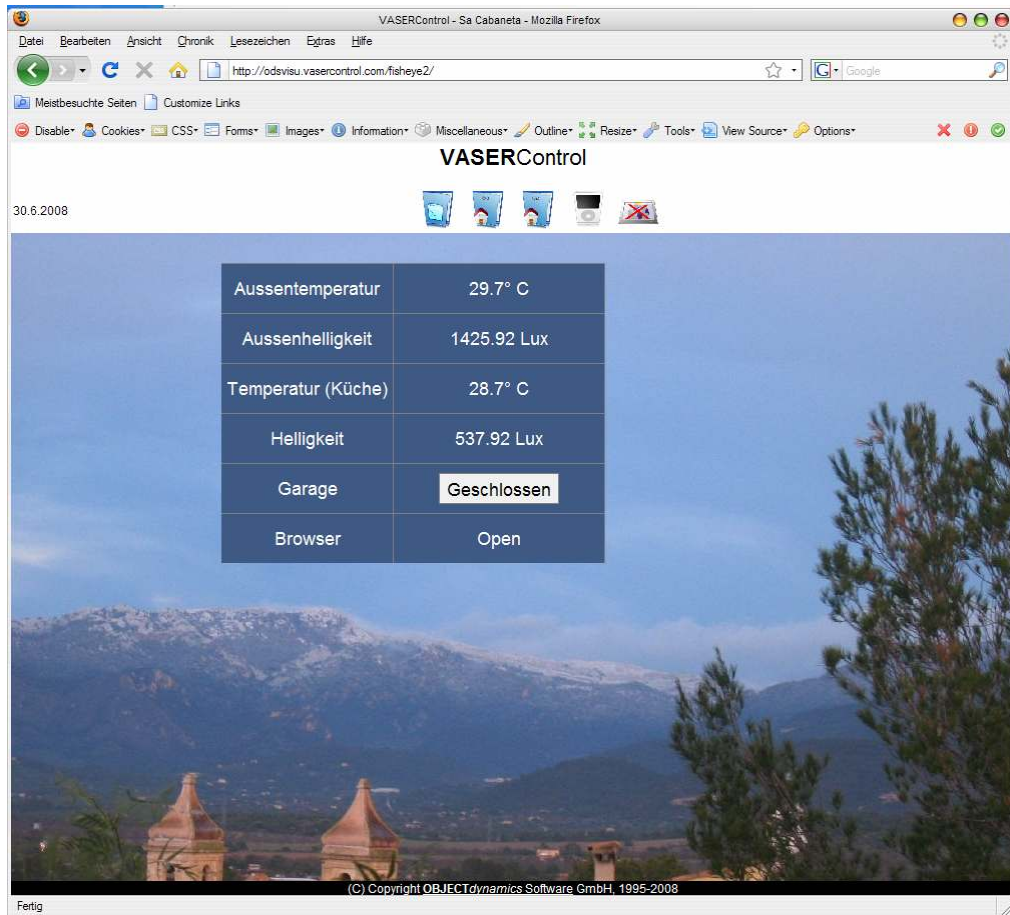


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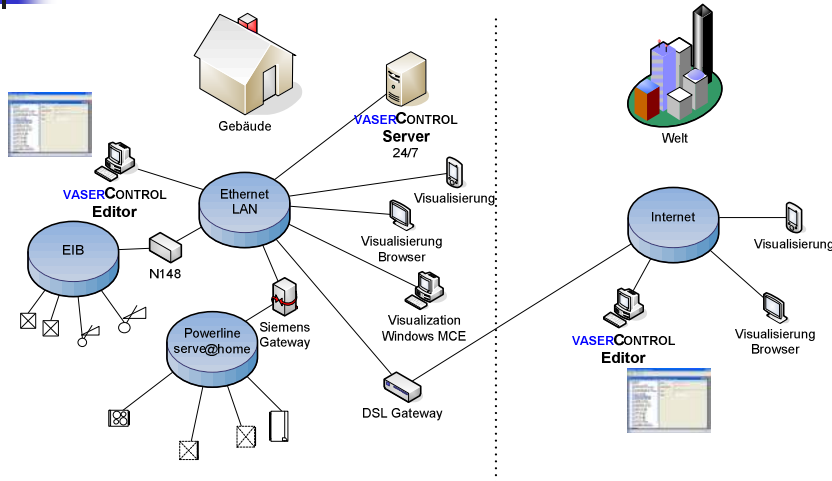
To get an impression of the web capabilities, please visit the following website. This is the current visualization of the technologies in our house.

<http://odsvisu.vasercontrol.com/fisheye2>



The network infrastructure provides easy local and remote connections to the server and all of the connected subsystems.

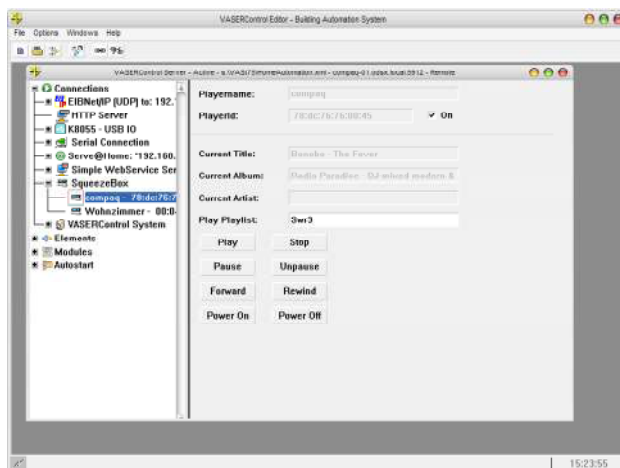
## Infrastructure



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The editor is the main application for defining new functionality

## Editor – Main view

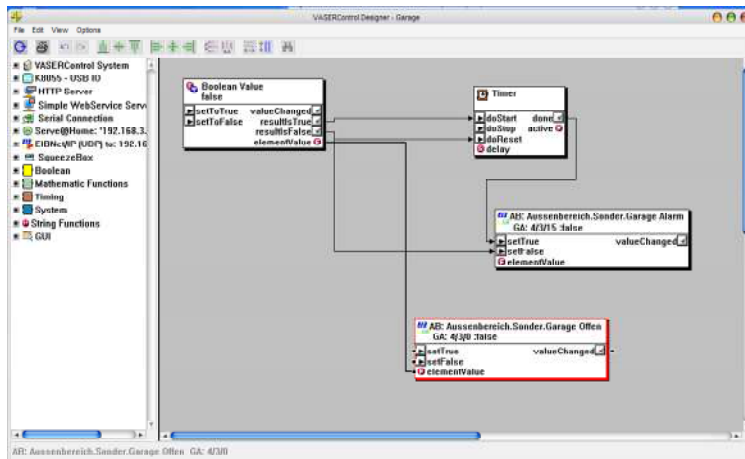


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The graphical editor provides an easy to use interface to define the necessary functions.

## Editor – Graphical editor



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VASERControl provides several options to easily and intuitively visualize the application.

## Visualization

