

Gambas



Gambas Almost Means BASic

Today's Menu...



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Gambas – A better Visual Basic



- Gambas is a
 - Graphical Development Environment based on a Basic interpreter
 - Intended to be a better Visual Basic
- VB replacement for Linux, not a VB clone



Gambas - Why?



- Leveraging the power of Linux
- Leveraging our current knowledge
- Unique mix of features - help thousands of VB developers to migrate from Windows to Linux
- Converting legacy code

Gambas can help bring more applications and users more quickly to Linux

Demo - I

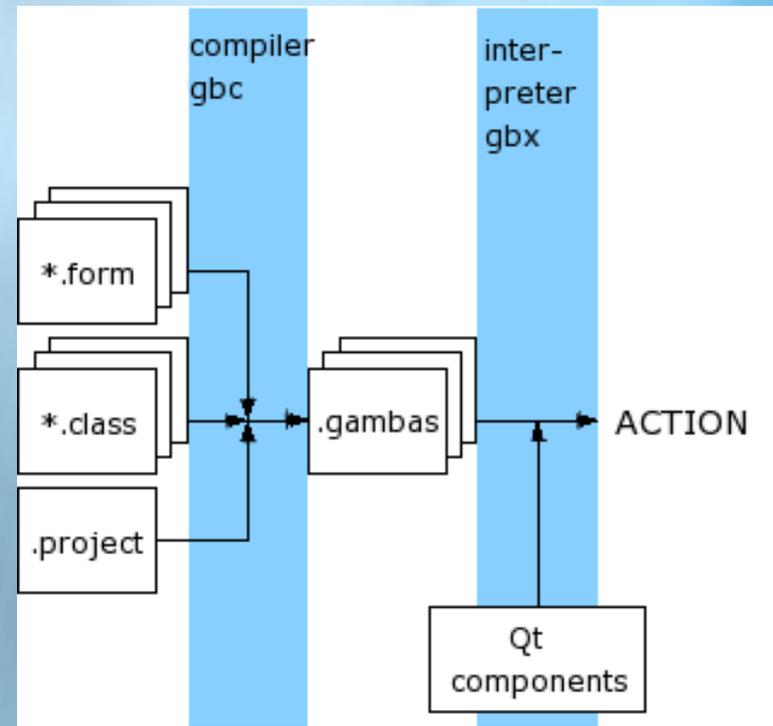


Hello, World!

Gambas- How it works



- .project file
- .form files
- .class files
- "gbc" -> binary "pcode".
- pcode in ".gambas"
- "gbx"
- Components
 - qt-component
 - GTK component? - Write them! ;-)
- "gba" -> project + pcode = so called "executable file"



Gambas – Features



- Component Model
 - designed to be extensible. base language and all the rest = components
 - Even the graphical toolkit is just a component.
 - Soon, GTK+ component
- Can write multi language programs
 - RAD offers a wizard to translate
- Gambas offers database access
 - Currently can manage MySQL, PostgreSQL and Sqlite

Gambas – Features (cont..)



- Distribution wizards
 - can distribute your program as source code
 - also create binary packages
- Can write network applications using Gambas
 - TCP, Unix and UDP sockets, clients and servers, serial port devices
 - queries to HTTP servers, FTP client
- XML is work in progress

Demo II



Analog Clock

Gambas v/s VB



- Non Language-Specific Differences
 - Gambas - separate, in a .form and a .class file, VB - combined
 - Form controls in Gambas programs are private by default.
- VB Has It, Gambas Doesn't
 - Cant currently edit code in Break Mode
 - Function and procedure parameters passed by value only
 - No project-wide global variables
 - Gambas -prior declaration of variables

Gambas v/s VB



- Gambas Has It, VB Doesn't
 - Concept of control groups
 - Run a program synchronously
 - Odd-shaped window you just set the ME.Mask property
 - Can create controls and menu dynamically
 - Not required to compile in GUI support if you want to write a Gambas command-line application

Demo III



A two minute Movie Player!

Leveraging the power of Linux..

Gambas Tomorrow..



- A GTK+ component
- finishing the network and XML component
- writing components in Gambas
- A SDL component
- A Perl compatible regular expression component
- Make objects persistent
- Embedded Gambas
- and the wishlist never ends :-)

That's all folks!



- Gambas Home
 - <http://gambas.sourceforge.net/>
- Gambas Wiki
 - <http://www.binara.com/gambas-wiki/>
- The Easy Gambas Documentation
 - <http://www.theeasygambasdoku.de/>

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