

Applications

Since its creation in the early 1980s, Smalltalk has been widely used in academic research as well as in commercial applications. Here are some current Smalltalk applications that are advancing the state of software.

Teaching: EToys (Squeak), SqueakBot, BotsInc, Scratch...

Multimedia: Sophie, OpenCroquet, Plopp...

Web development: Seaside, Aida, Komanche, Swazoo...

Persistence management: object oriented databases (Magma, GemStone), relational databases (MySQL, PostgreSQL), object relational mapping (Glorp).



Etoys and DrGeo on an OLPC

Glossary

Image: The Smalltalk environment contains a persistent object store, the image. This contains application code (classes and methods), objects holding application state and can even include the development tools to inspect and debug the program while it is executing.

Virtual Machine: A virtual machine is a program which is capable of executing other programs. It eases application portability.

Reflection: A language is said to be reflective when it contains mechanisms to inspect and modify code during a program execution.

Dynamic typing: Some languages force the developer to indicate the type of each variable (integer, string...); this is called static typing. Dynamic typing does not impose this constraint, and so makes programs more reusable and easier to change.

Books

- Numerous free books:
<http://stephane.ducasse.free.fr/FreeBooks.html>
- Smalltalk in general
 - *Smalltalk with Style*
(Edward Klimas, Suzanne Skublics and David A. Thomas, free)
 - *Smalltalk by Example: the Developer's Guide* – (Alec Sharp, free)
- Squeak in particular
 - *Squeak by Example* – (2007, free)
 - *Powerful Ideas in the Classroom*
(BJ Allen-Conn and Kim Rose)

Events

- European Smalltalk User Group conferences (ESUG). Since 1993, industrial and academic Smalltalkers meet in an European country.
<http://www.esug.org/conferences>
- Annual conference, organised in North America by the STIC (<http://www.stic.st>), an association with industrial actors and Smalltalk editors.
<http://www.smalltalksolutions.com/>

Internet

- Official Squeak website:
<http://www.squeak.org>
- Wiki:
<http://wiki.squeak.org>
- News:
<http://news.squeak.org>

Smalltalk

a programming language
purely **object oriented**
and a **dynamic environment**



