



Swazoo

Smalltalk Web Server

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What is Swazoo?

- # **Smalltalk Web Application ZOO** :-)
- # project on first Camp Smalltalk
 - 2000, San Diego, USA
- # Merging all web related projects
 - Hydrogen, AIDA/Web,
 - Comanche, VisualWave, VisualAge SST

CS 00 project members

- # David Farber
- # Janko Mivšek
- # Ken Treis
- # Mark Schwenk
- # Joseph Bacanskas
- # Benny Sadeh
- # Claus Gittinger
- # Jan Barger
- # Nick Melnikov

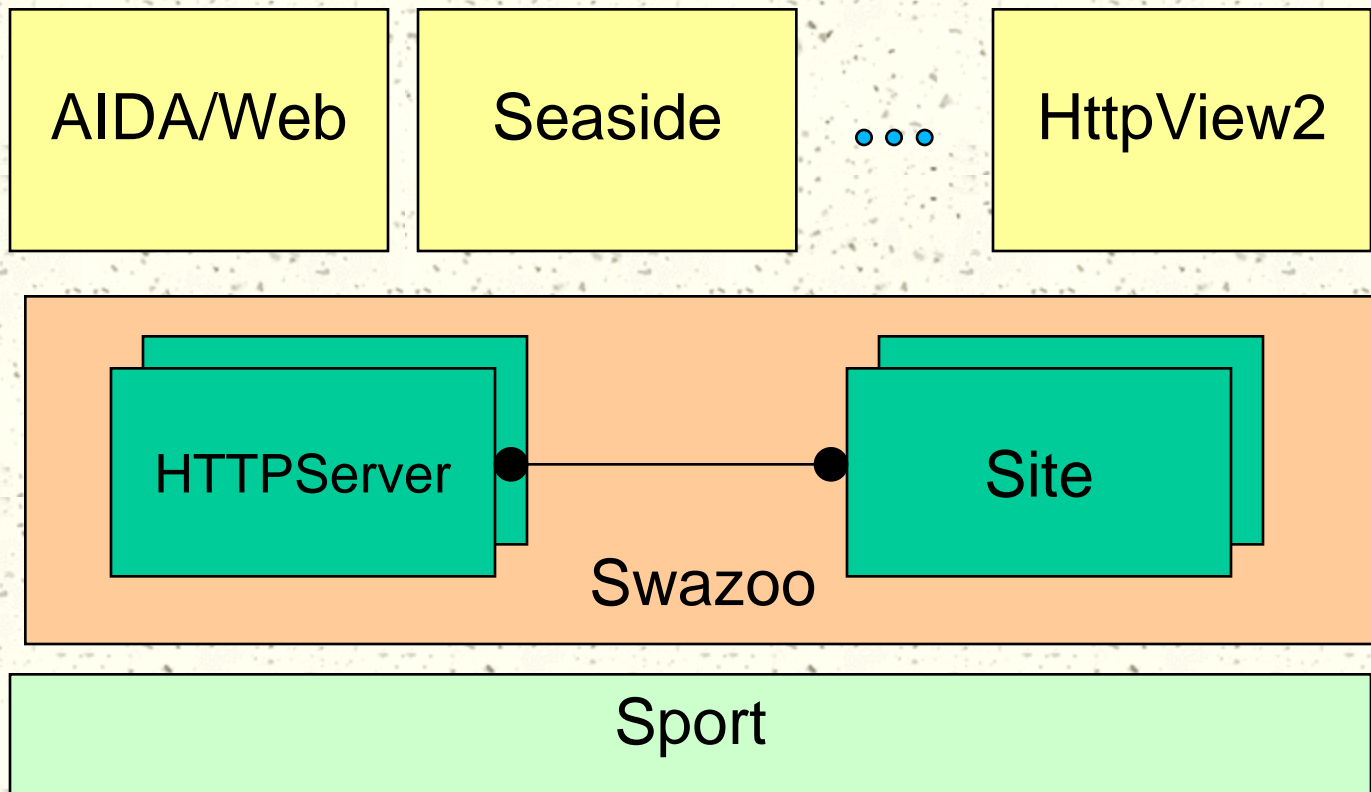
Manifesto

- # Why shouldn't we **join forces** and make one real good web application server in Smalltalk?
- # It can behave as a standalone web server or together with server such as Apache.
- # It should be **portable** to all Smalltalk dialects and all platforms.
- # And it should **join the Web and Smalltalk philosophy** in as better way as possible.
- # And it should be **open sourced**, product of group work by many interested parties around.

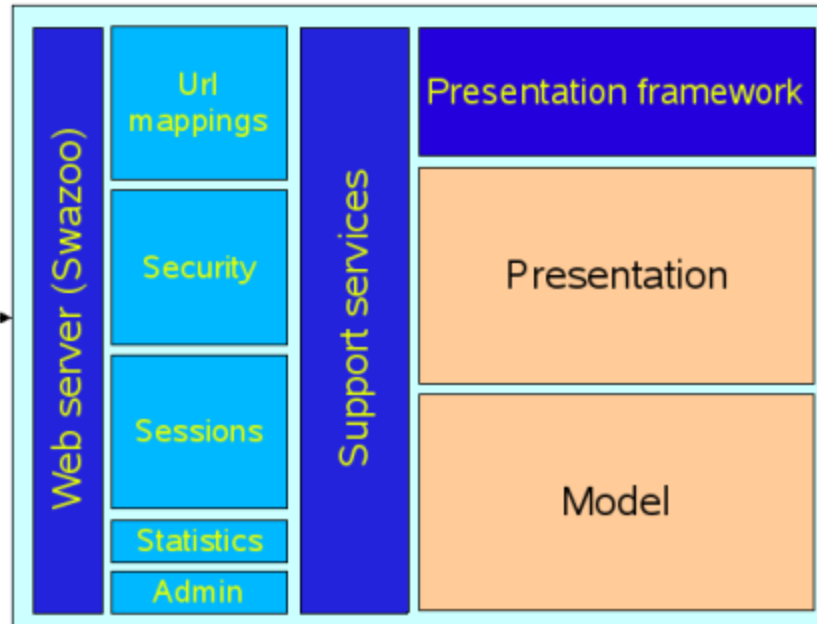
Swazoo features

- # virtual site support
- # request parsing framework
- # static web serving
- # streaming

Swazoo architecture



AIDA/Web Architecture



Swazoo ports

- # VisualWorks (2.0)
- # Squeak (2.0)
- # Dolphin (1.0)
- # Smalltalk/X (soon)
- # VisualAge (planned)
- # Gemstone (planned)

Swazoo 2.0 just released!

New request framework

- work from Bruce Badger

Streaming

- input streaming of HTTP requests (large file uploads)
- output streaming – chunking
 - serving large files,
 - HTTP streaming/Comet

Optimizations

- improved HTTPServer performance
- benchmarks: **3MB/sec** file upload/download

Invitation



Put your web framework on top of Swazoo!

<http://www.swazoo.org>



Questions?

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