Swazoo

Smalltalk Web Server

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What is Swazoo?

- **S**malltalk **W**eb **A**pplication **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
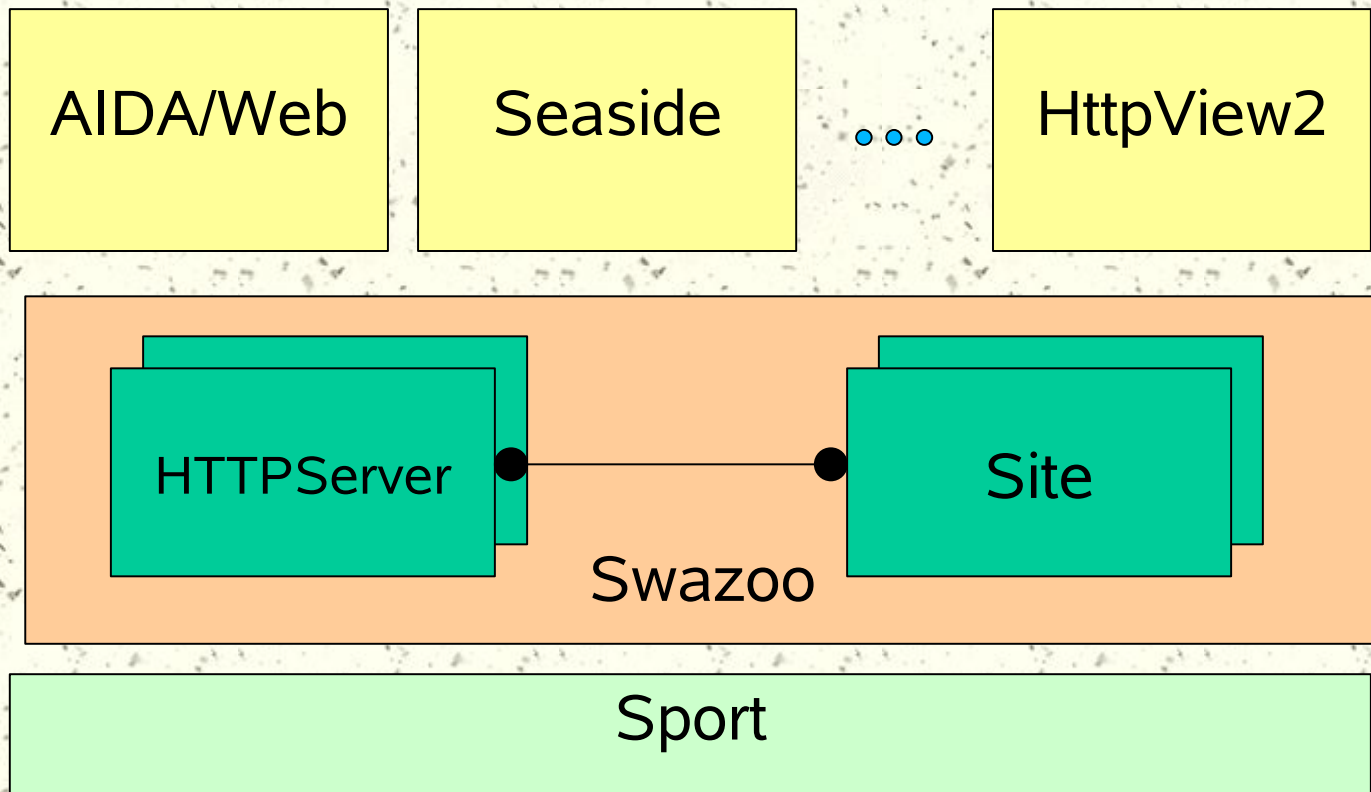- Claus Gitinger
- Jan Barger
- Nick Melnikov

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.
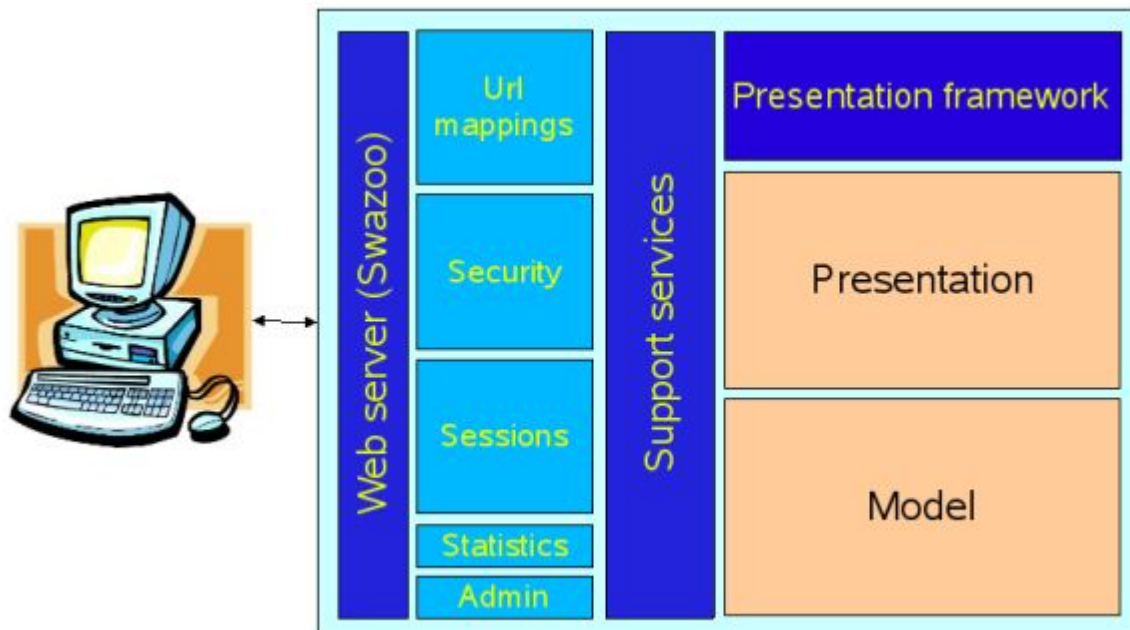
Swazoo features

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

Swazoo architecture

AIDA/Web

Seaside

...

HttpView2

HTTPServer — Site

Swazoo

Sport

Example: 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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