

SuperSwiki2

Workshop in SqueakFest'07

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About Me

- Software engineer
- Earliest Squeak evangelist in Japan
- Author of the Squeak Programming Book
 - 「自由自在Squeakプログラミング」
 - (“Jiyuu jizai Squeak Programming) – ISBN:4883732037
- Interested in extending/supporting e-Toys
 - NetMorph/SeeThroughTalk
 - <http://swikis.ddo.jp/NetMorph>



Agenda

- Background in e-Toys project sharing
- How to use SuperSwiki2
 - Installing SuperSwiki2 Server
 - Access from Web Browser and Squeak
- How to administrate SuperSwiki2
 - Admin interfaces
- Questions / Discussions

Files for this workshop

- You can get SuperSwiki2 files in 2 ways.
- CD-R
 - Open **__SuperSwiki2-SqueakFest2007__** folder
- Wireless LAN
 - SSID: **superswiki2**
 - Access
 - <http://192.168.2.2>

Why we need SuperSwiki

- We would like to **share e-Toys projects in an easy way**
 - Via normal Web Browser
 - Via Squeak
- For that purpose, the original SuperSwiki was born
 - Bob's SuperSwiki
 - <http://209.143.91.36/super>
- And still running in many sites
 - SuperSwiki in Squeakland.jp
 - <http://squeakland.jp/super>

So, why we need SuperSwiki2?

Gallery of projects in super Swiki



Found 370 Projects

Aaaargh...!

What lacks in SuperSwiki

- Gallery page will be messy
 - No mechanism to categorize projects
- Multilingualization/Localization is difficult
 - We have to edit bunch of HTMLs
- Administration tool is not provided
 - How to delete unwanted projects , etc.
- No active developers
 - It was developed in 2000, and it is getting difficult to maintain

SuperSwiki2's main features (1)

- Filter e-Toy projects by categories, keywords
- Easy installation
- BBS (Bulletin Board System)
- Simple Wiki
 - Wiki page is provided for each registered user
- Language selector
 - Also easy to add new language
- Admin interfaces
 - Export/import projects

SuperSwiki2's main features (2)

- RSS support
 - You can know latest updates via RSS reader
- Automatic client configuration
 - Clients can detect Server locations automatically (SuperSwiki2Client enabled SqueakPlugin)
- Backward compatibility with old SuperSwiki
 - Existing SqueakPlugin can still talk to SuperSwiki2
- Automatic syndication (experimental)
 - On the internet, SuperSwiki2 servers detect their peers

SuperSwiki2 Server installation

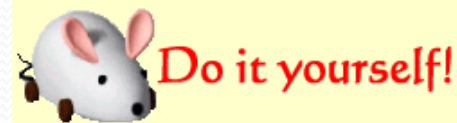
- In **01-server** folder
- Windows:
 - Run the installer
 - **SuperSwiki2Server-Installer.EXE**
 - After the installation, double-click the SuperSwiki2 icon
- All platforms:
 - Extract all-in-one ZIP
 - **SuperSwiki2Server20070725-all-in-one.zip**
 - Run the starter script according to your platform



Do it yourself!

Access from Web Browser

- By default, SuperSwiki2 runs on port 9090
 - URL for accessing local SuperSwiki2:
 - <http://localhost:9090/>
- During this workshop, SuperSwiki2 is running on my machine
 - URL for accessing lecturer's SuperSwiki2
 - <http://192.168.2.2:9090/>



Upload projects via Browser

- Extract the **SampleProjects.zip** in **02-sampleProjects** folder
- You can upload those sample projects through Web Browser
- Try “**publish project**” link
- See “**gallery**” and “**newly arrived**”

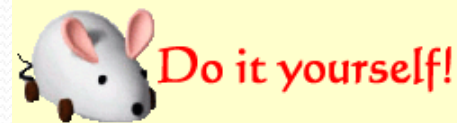


Do it yourself!

Access from Squeak (1)

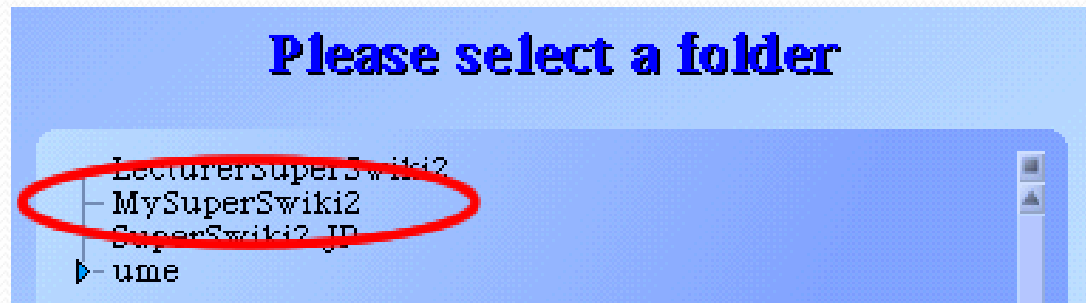
- Traditional way to access SuperSwikiz is to write “knownServers” file
- In **o3-client** folder, you can read **SetUpInTraditionalWay.html** for instructions
- Place such kind of file to “(**Squeak installation folder**) /prefs / knownServers”

```
name: MySuperSwikiz
directory: /super/SuperSwikiProj
type: bss
server: localhost:9090
acceptsUploads: true
```



Access from Squeak (2)

- Run Squeak
- If you publish a project, you will see a new entry in server list



- Try, publish, find, and load



Do it yourself!

Using a custom SqueakPlugin

- Not convenient: writing/putting “knownServers” files in a dynamic environment
 - If server’s IP address changes, you have to update “knownServers” files
- SuperSwiki2 enabled SqueakPlugin is good for solving such problem
 - It detects SuperSwiki2 server automatically
 - Compatible with normal SqueakPlugin

Custom SqueakPlugin installation

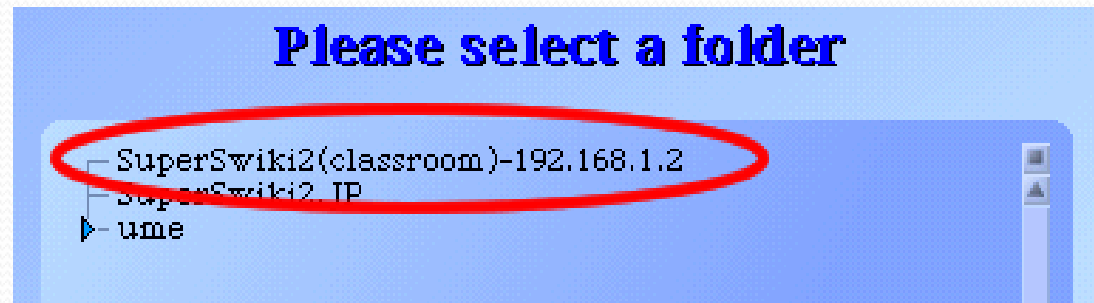
- In **o4-custom client** folder, you can read **InstallCustomSqueakPlugin.html** for instructions
- Basically, replace your SqueakPlugin.image with the new one . (You should copy original file for reverting)
- Windows installer (**SqueakPluginForSuperSwiki2-Installer.EXE**) will do the job



Do it yourself!

Access from the custom Plug-in

- You do not need “knownServers” files
- SqueakPlugin lists SuperSwiki2 servers automatically



Do it yourself!

Other collaboration supports

- From Web Browser, you can access these features
 - Commenting to uploaded projects
 - Searching projects
 - BBS
 - Wiki
- Part of the features are accessible only for registered users
 - For security reasons

SuperSwiki2 administration

- By logging-in as “root”, you can access admin menus
 - Default admin user/password pair is “**root/toor**”
- Administrator can do special tasks:
 - Create a new BBS board, new keyword, etc.
 - Delete harmful comments, wrong projects, etc.
 - Back-up the whole database
 - Import/export projects
 - Set default language

Default upload categories

- Problem:
 - Most users do not enter categories in uploading, so project list would be messy soon
- Solution:
 - Admin user can specify default upload category
 - The category will be applied to the uploaded project if its category is empty

Default display categories

- Problem:
 - Too many projects are displayed in gallery, so users are hard to detect meaningful ones
- Solution:
 - Admin user can set default display category
- By combining with default upload category, you can filter projects by their progresses
 - For example:
 - Default upload category: 'working'
 - Default display category: 'finished'

Localization

- From admin menu, you can select “**set locale**”
 - Many locales are selectable, but translation files are still incomplete
 - Translation files has been provided by volunteers
 - **I need your help!**
 - Currently,
 - Japanese (100%)
 - Español (80%)
 - Galego (70%)
are available

How to add a new language

- Create a new **SuperSwiki2.(lang).trans** file
 - Plain, tab separated file
 - word & translated word pairs are listed
- Create a new language label to **SS2-LocaleLabels.txt**
 - The label will be displayed at the language selection box
- Send me the trans file. I'll put it to my server
- Administrators can download new trans files from “**update translations**” menu

Future Plan

- Support for e-Toys 2.1 (OLPC)
 - Working – but more tests are needed
- Add more search functions
 - Currently, “FIND”->”search SuperSwiki” menu in Squeak does not work well with SuperSwiki2
- Improve UI on Custom SqueakPlugin
 - “Preview projects” before actual loading, etc.
- Auto language selection by Web browser’s “accept language” attribute

Questions?



- Thank you!