



The Squeak Environment

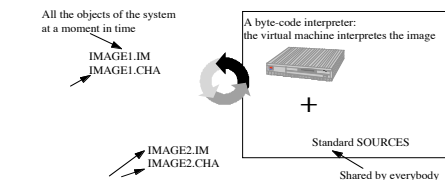
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Smalltalk Run-Time Architecture

- Virtual Machine + Image + Changes and Sources



- Image = bytecodes
- Sources and changes = code (text)

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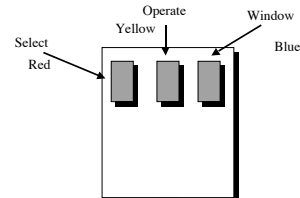
Runtime Architecture

- The byte-code is in fact translated into native code by a just-in-time compiler.
- The source and the changes are not necessary for interpreting the byte-code, this is just for the development. Normally they are removed for deployment.
- An application can be delivered as some byte-code files that will be executed with a VM. The development image is stripped to remove the unnecessary development components.

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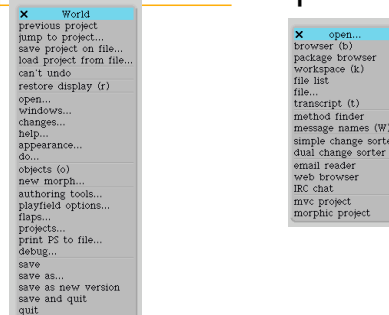
Mouse Semantics



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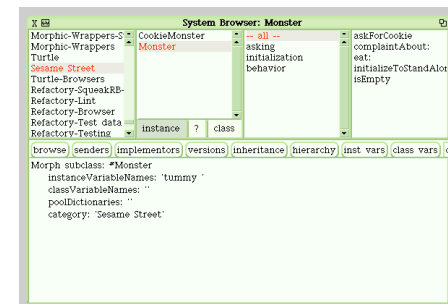
World Menu and Open Menu



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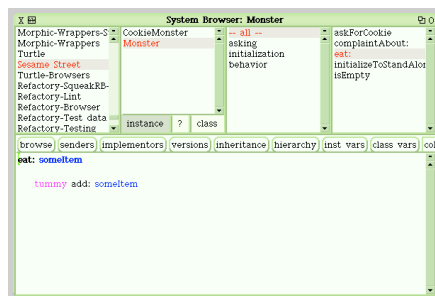
Browsing a class



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Browsing methods

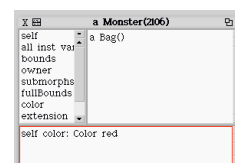


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Inspector

- To look inside objects
- Violates encapsulation!!!
- Monster new inspect

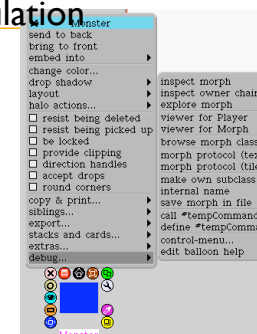


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Direct Manipulation

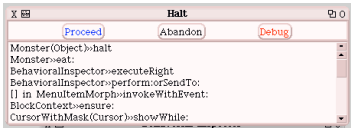
- Bring the halo
- Experiment



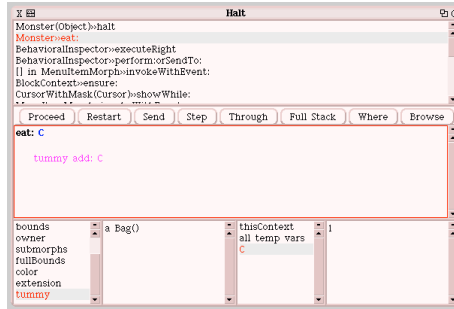
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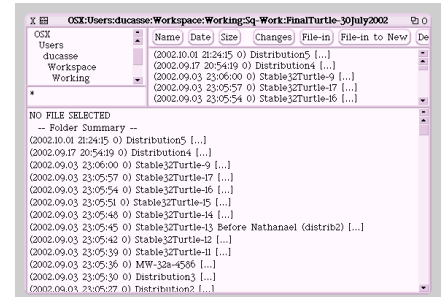
Debugger?



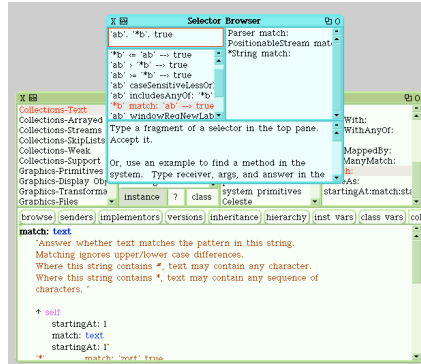
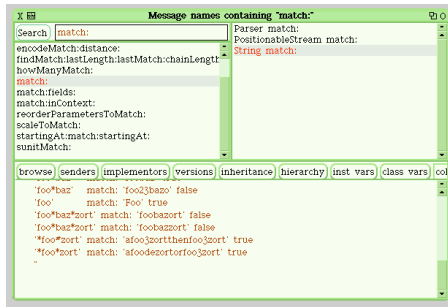
Debugger !!!



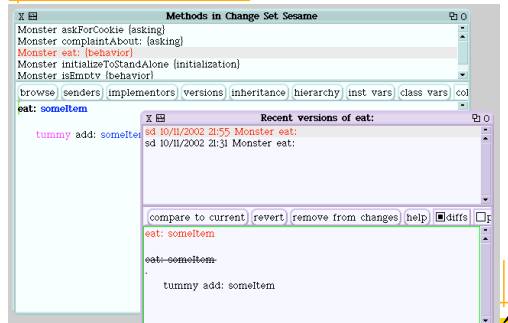
FileList



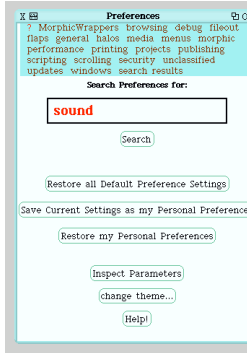
Message Names Finder



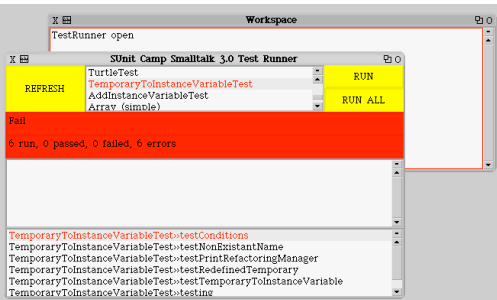
Methods in ChangeSets + Versions



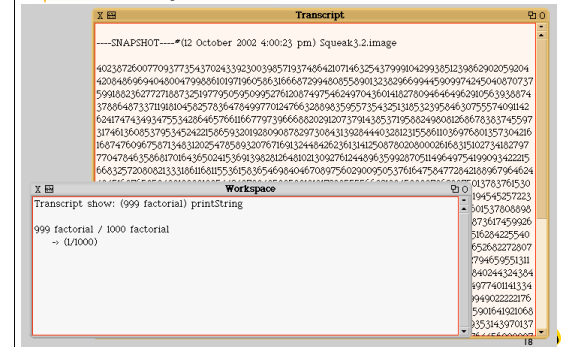
Preferences



SUnit

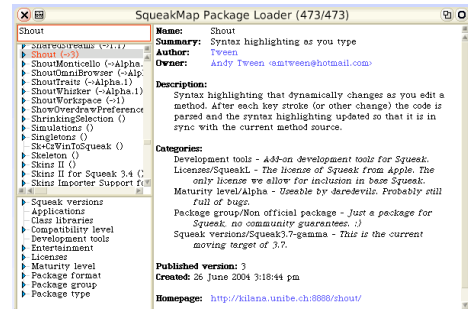


Transcript is Sloooooooooooooow



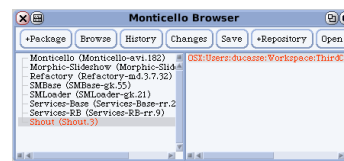
21068
70137
18

Squeak Map Package Loader



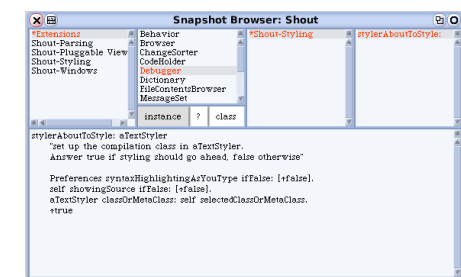
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Monticello



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Monticello Change Browser



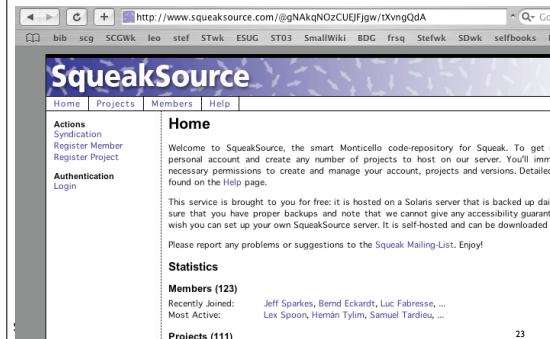
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Repository



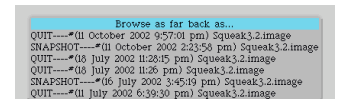
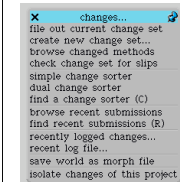
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SqueakSource



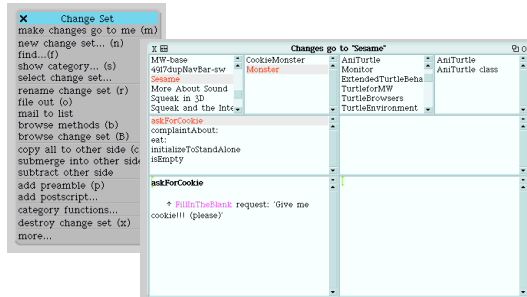
Changes Menu...Recently logged files

- Everything you do is recorded



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ChangeSorter: to sort your changes



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Cool Packages to Load

Shout
Refactoring Browser
eCompletion

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Change your Mind

Everything you do is recorded !!
So try and learn how to recover your code

You are smart so
Experiment,
Learn for you, browse,
educate your taste (not all Squeak code is good)
Be aggressive, ***all*** the code is there

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