

SqueakNOS

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Inspired by Dan Ingalls words "An operating system is a collection of things that don't fit into a language. There shouldn't be one."1, and after feeling the urge to never leave the Squeak environment, we dreamed of a pure Squeak [no] operating system. We were not sure if it was possible or not, but we anyway jumped, head first, into making it real. We didn't succeed yet, but we came further than what we thought possible, and we still hope to go even further!

We've been pushing the project forward for quite some years, and slowly advanced to where we are now: SqueakNOS boots on different PC computers, be it desktop, laptops or netbooks and even the OLPC. Not every device works yet, but some networkings cards do, and we have a TCP/IP implementation. In the pursuit of persistency, we've also implemented and tested the bases for USB, SD card read-writers and IDE HardDrive, however, some more work is needed.

We hope to use the price for the Innovation Technology Awards to give "micro-grants" as a symbolic incentive for people who want to further develop parts of SqueakNOS (we still have to decide how to organize it)

Country: Born in Argentina.

Name of Smalltalk dialect used: Squeak

URLs:

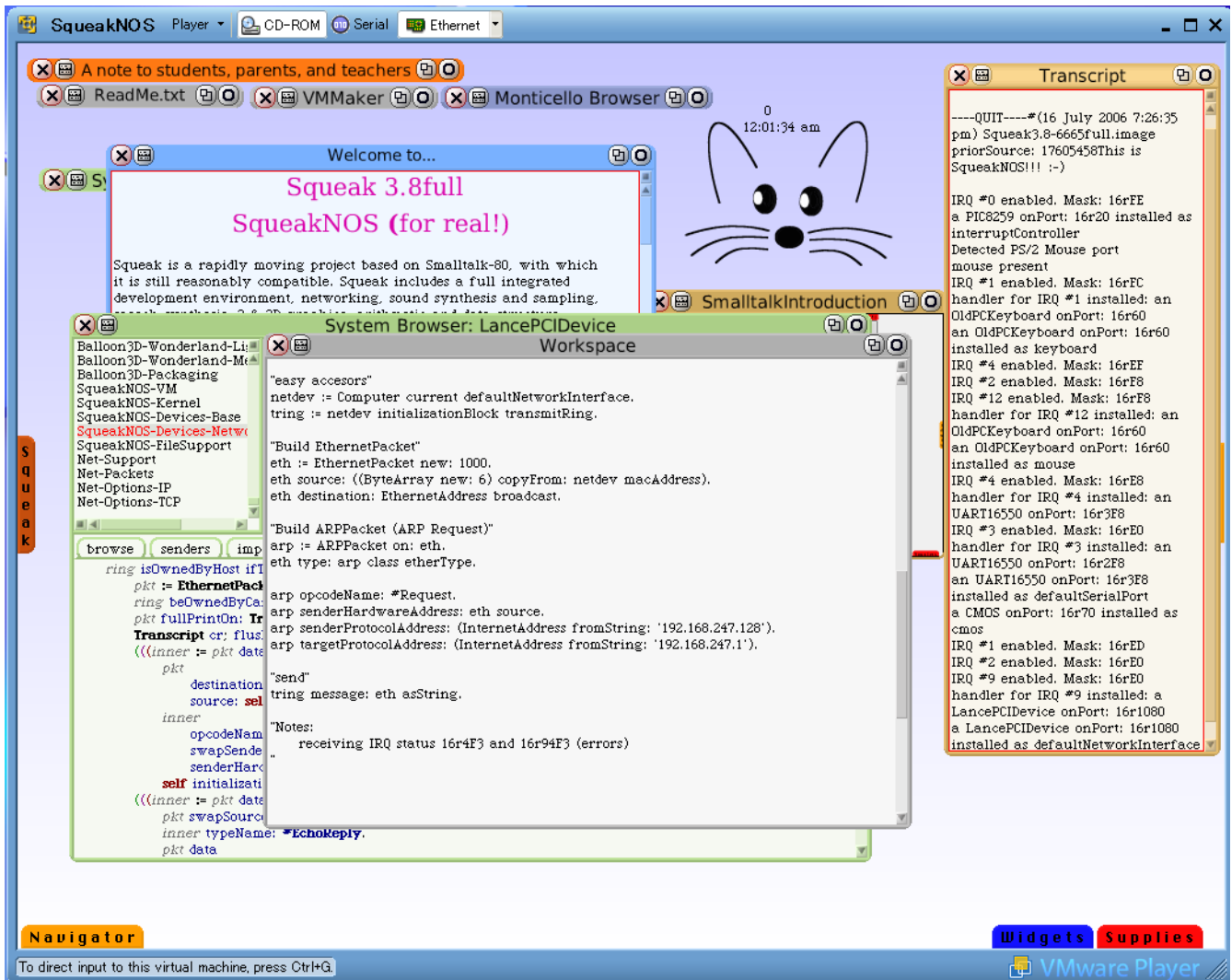
project page: <http://wiki.squeak.org/squeak/1762>

download: http://sourceforge.net/project/showfiles.php?group_id=3891&package_id=3865

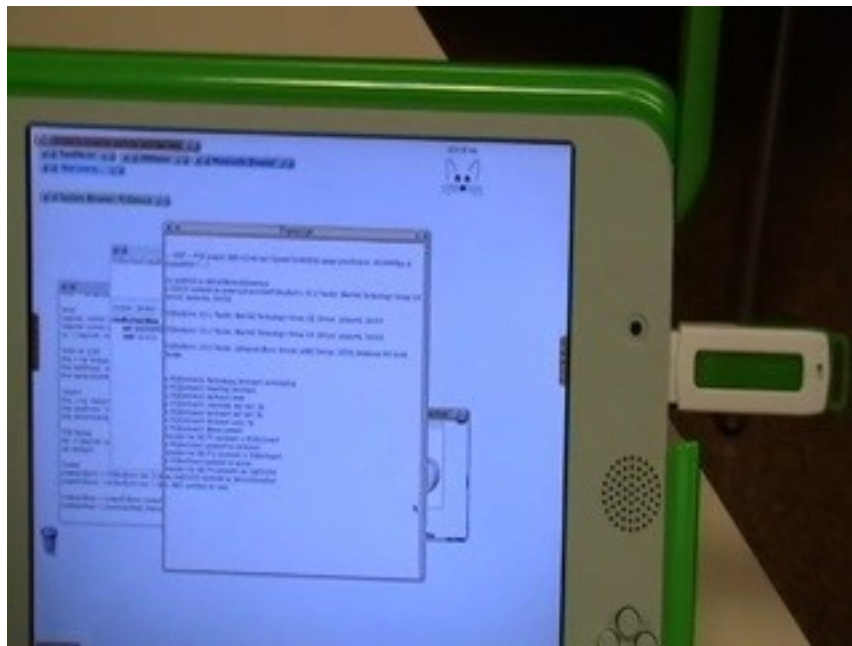
Keywords: Squeak, SqueakNOS, Operating System, OS, Embedded Software.

License: MIT

Screenshots:



SqueakNOS booting on VMWare



SqueakNOS booting and running on the OLPC



SqueakNOS running on two ASUS EEEPC netbooks