



Virtual Acorn and Red Squirrel

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Virtual Acorn & Red Squirrel

Topics

- RISC OS Emulators
- Virtual Acorn
- Red Squirrel
- Demonstrations
- Questions



RISC OS Emulators

- A program that makes a machine behave like a different machine
- First emulators were used to emulate classic 8-bit machines
- Emulators are also used to emulate hardware that is rare and valuable
- Also have a development aspect

RISC OS Emulators...

- Need ROM Images
- Licensing Issues
- Usually very slow
- Speed ups from RTCG (Run Time Code Generation) JIT (Just in Time) programming technology
- Speed of new machines makes emulators more attractive

RISC OS Emulators...

Range of programs to emulate RISC OS

- Archie Emulator
- Arc Em
- Red Squirrel
- Virtual Acorn

Archie Emulator

- Emulator for Dos or Windows
- Currently un-maintained at version 0.9
- Supports Arthur, RISC OS 2 or 3.x
- Available from:
<http://www.geocities.com/SiliconValley/Campus/5427/>

Arc Em

- Emulator for Windows, X-Windows, RISC OS and MAC OS X
- Open Source (GPL)
- Supports RISC OS 3.11 and earlier
- Also ARM Linux
- Available from:
<http://arcem.sourceforge.net/>

Red Squirrel

- Emulator for Windows
- Freely available
- Supports all versions of RISC OS
- Freeware version of Virtual Acorn
- Available from:
<http://www.red-squirrel.org/>

Red Squirrel...

- Written by the same author (Graeme)
- JIT not included
- Extra functionality of Virtual Acorn not included
- Not limited to RISC OS 3.11

Virtual Acorn

- A RISC OS emulator for Windows i386 PCs
- A RISC OS 3.11 machine
 - 16Mb RAM
 - 256 Colours (800 x 600)
 - 16 Colours (1024 x 768)
 - PC Hard disc usage
 - Faster than an A5000

Virtual Acorn...

- Full HTML Manual
- Ovation, Drawworks Millennium and Mr Clippy
- Virtual ADFS harddisc image
- Freeware, Public domain and Shareware
- Ready to run out of the box

New Features

- Directly read Acorn floppies
- Directly read Acorn CDROMS
- Colour Card style graphics acceleration
- Integrated graphics card support for laptops

PC Specification

- 400Mhz Processor
- Windows '98 or later
- Direct X 8.0
- 64Mb RAM
- 400Mb Hard disc
- 8Mb Direct X compatible graphics card with 2D hardware acceleration

Free Demo

<http://www.virtualacorn.co.uk/>

- Free 30 day demo version
- 21Mb Download

Pricing

- £29
- £10 Upgrade to 1.4
- Special Offers at shows
- Discounted site licenses

Futures

- Networking Support
- Universal Printing

Questions

A7000/RISC PC NIC

- <http://www.i-cubed.co.uk/>
- Identify card with chip labelled
"i3 limited Flash ROM <software>
- Card Type Utility
- Mirror of <ftp.acorn.co.uk>
