

John Ostrowick — Development Projects



- 1995-1997 — John's Lab Pak
- 1998-2008 — WITS University School Servers
- 2002-2003 — Rock Art Research Institute DB
- 2004-2008 — WITS University Backup Architecture
- 2006-2007 — BackupSuite
- 2007-2008 — ProfessionalHosting

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1995-1997 — John's Lab Pak

- Network authenticated login for AFP/AppleShare
- Coded in Pascal and AppleScript
- Preservation of user environment on any workstation
- Multiple server capability
- Logging of user activities, prevention of software installation, printing quotas
- None of the above existed for Macintosh at the time
- Discontinued project upon release of Mac OS X which offered similar features

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1995-1997 — John's Lab Pak featured on www.Apple.com

The screenshot shows the Apple website's navigation bar with links for Store, iPod + iTunes, .Mac, QuickTime, Support, and Mac OS X. Below the navigation bar, the 'Third Party' section is displayed. It features a heading 'Third Party' and a paragraph explaining that this section provides information about software and hardware products that work with AppleShare IP. To the right of the text is an image of the AppleShare IP software box. Below the text and image is a navigation bar with links for Features, Benchmarks, Third Party, and Software. The 'Third Party' link is highlighted. Below this navigation bar is a section titled 'Server Management & Administration' with a paragraph describing John's Lab Pak as a collection of small applications for remote manipulation of Macs.

Hot News Get a Mac Hardware Software Made4Mac Education Pro Business Developer Where to Buy

Third Party

This section provides information about software and hardware products that work with AppleShare IP to provide enhanced or additional capabilities. Products are grouped by areas of functionality. Sales and support of these products are the responsibility of the vendor.



Features Benchmarks **Third Party** Software

Server Management & Administration

John's Lab Pak is a collection of small applications written by John Ostrowick, to provide a complete mac lab solution. Includes tools for remote manipulation of macs, installation and deinstallation of users, plus a login system. Some parts still under development.

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1998-2008 — WITS University School Servers

- Users dissatisfied with central service provision
- Server environment for web, DNS, FTP, email deployed using Linux
- Recovery time from complete failure: one day
- Ten servers, 3000 users, 3 staff member team
- Involved substantial Perl CGI and shell scripting coding on my part, eg., for web site search engine.

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2002-2003 — *Rock Art Research Institute DB*

- Deployed a commercial image database package on a RAID system
- Involved a lot of shell scripting to automate thumbnail image generation etc.
- Helped automate image cleanup process in scanning lab

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2004-2008 — WITS University Backup Architecture

- Ten servers, 3000 users needed a backup solution for email and server data
- Deployed a timed, multi-server, RAID solution
- Copied changed data from primary servers to RAID servers
- Mac and Linux Desktop machines integrated directly
- Involved substantial shell scripting coding on my part.

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2007-2008 — BackupSuite

- Recognised that Windows users needed an automated backup solution
- Requirement 1: a friendly web server interface
- Requirement 2: small user-friendly program to reside on each Windows machine.
- Programming handled by persons I contracted to perform the tasks
- I focused on managing the project and checking for faults
- I tweaked some of the web interface code.

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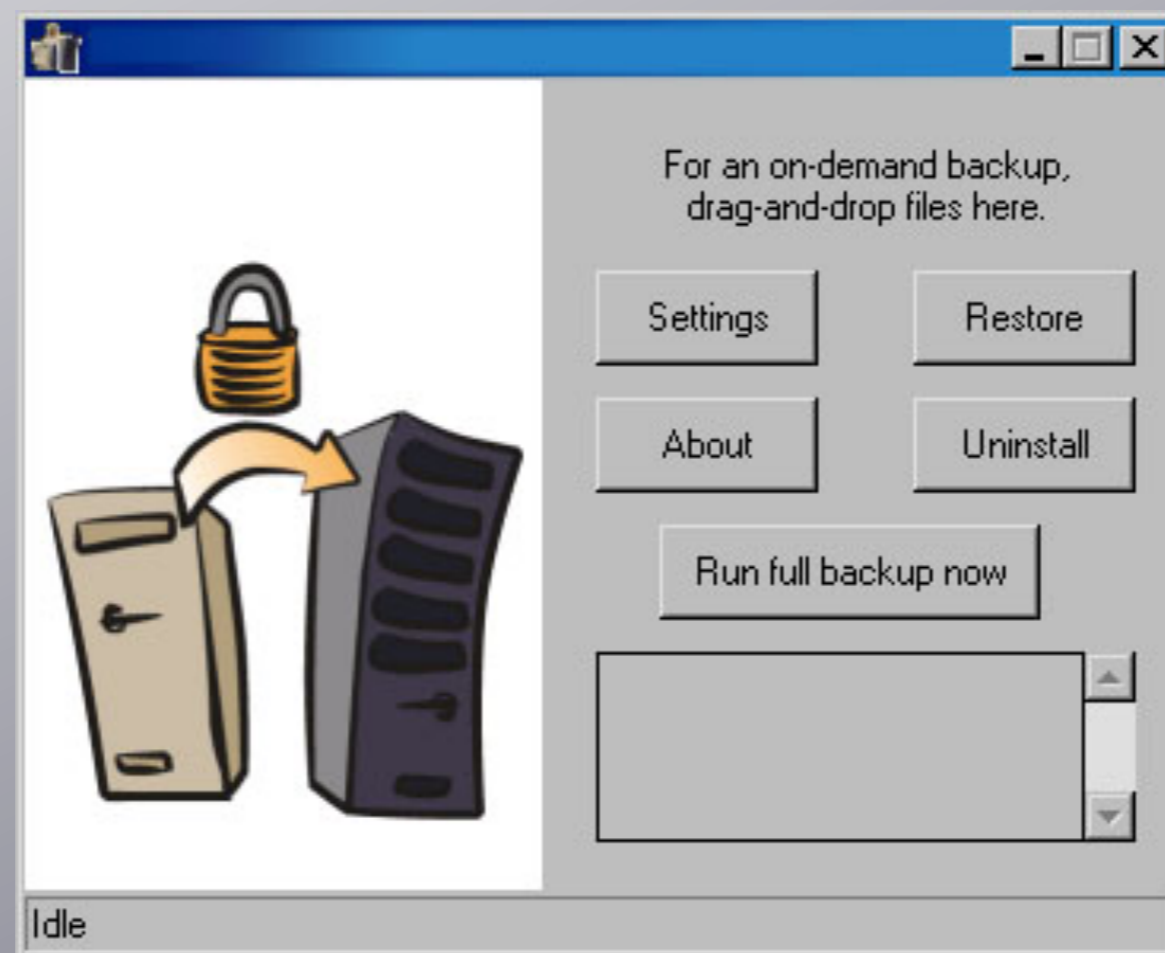
2007-2008 — BackupSuite

- I managed three developers on the project:
 - ◇ C++ programmer for Windows app
 - ◇ PHP programmer for Web interface
 - ◇ UNIX administrator for server back-end
- Originally intended it to become a commercial project, and had interested investors. Decided to OpenSource the project; it is available for download at www.ostrowick.com/software

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2007-2008 — BackupSuite



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2007-2008 — BackupSuite

The screenshot shows the BackupSuite configuration window with the following settings:

- Backup server:**
 - IP address: 192.168.0.2
 - Username: demo
 - Password: xxxxxx
- Extra directories to back up:** (Empty list with Add and Remove buttons)
- When to run backup:**
 - Daily, at (HH:MM) 17 : 00
 - Every 5 minutes
- Backup files changed in the last 1 days:**
 - Backup media files
 - Backup potential viruses (eg. EXE)
 - Shut down the computer on completion

Buttons at the bottom: OK, Cancel, Apply

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2007-2008 — BackupSuite

Hello admin
What would you like to do?

Administer Users	<input checked="" type="checkbox"/>
Browse Files	<input checked="" type="checkbox"/>
Change Network Settings	<input checked="" type="checkbox"/>
Set the Date and Time	<input checked="" type="checkbox"/>
Shutdown Server	<input checked="" type="checkbox"/>
Reboot Server	<input checked="" type="checkbox"/>
Remove all Backups	<input checked="" type="checkbox"/>
Change your Password	<input checked="" type="checkbox"/>
Log Out	<input checked="" type="checkbox"/>

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2007-2008 — *Professional Hosting*

- Set up a small ISP hosting about four small companies
- Included web development: Perl CGI, HTML and JavaScript, as well as shell
- Supported and deployed MySQL, PHPBB, MySQLAdmin for customers

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Thank you for your time.