

Win Big with
[Insert Open Source App Here]



Win Big With Open Source

- ◆ Introductions
 - ◆ Dave Nevala - Lukins & Annis
 - ◆ Jerry Askew - Askew Network Solutions

Win Big With Open Source

- ◆ No Licensing Headaches
- ◆ High Quality - peer reviewed
- ◆ Paid Support Available
- ◆ If you want a feature, add it!
- ◆ OSS can't be discontinued or sold

Win Big With Open Source

- ◆ KeePass - Password Manager
- ◆ Zotero - Web Research Manager
- ◆ 7-Zip - Fast Archiver
- ◆ Truecrypt - Disk Encryption
- ◆ PDF Creator
- ◆ Ntop - Network Analyzer
- ◆ Prey - Loss Prevention



zotero



Win Big With KeePass



- ◆ What is KeePass?
 - ◆ Password Management Database
 - ◆ Strong Password Generator
 - ◆ Hot-key login
 - ◆ Obfuscation techniques
 - ◆ Multi-platform
 - ◆ Download for free
- ◆ <http://keepass.info/>

Win Big With KeePass



- ◆ Password Database
 - ◆ Strong Encryption
 - ◆ Can be opened with single password

Win Big With KeePass



- ◆ Why KeePass?
 - ◆ No need for PostIt notes, slips of paper, etc.
 - ◆ Easy to have unique strong passwords
 - ◆ Turn off auto form fill

Win Big With KeePass



◆ Ports

- ◆ KeePassPPC & KeePassSD - PocketPC
- ◆ 7Pass - Windows Phone
- ◆ MiniKeePass - iPhone/iPad
- ◆ SyncPass - iPhone/iPad
- ◆ iKeePass - iPhone/iPad
- ◆ MyKeePass - iPhone/iPad
- ◆ KyPass - iPhone/iPad
- ◆ PassDrop - iPhone/iPad
- ◆ KeePassDroid - Android
- ◆ KeePassMobile - J2ME
- ◆ KeePassJ2ME - J2ME
- ◆ KeePassBB - BlackBerry
- ◆ KeePassBB2 - BlackBerry
- ◆ Export to Keyring - Palm OS
- ◆ KeePassX - Linux / Mac OS X

Win Big With KeePass



- ◆ Share with multiple devices
 - ◆ Portable version (run from folder)
 - ◆ Keep database on flash drive or dropbox

Win Big With KeePass



- ◆ Alternatives
 - ◆ Last pass (requires to be online)
 - ◆ KeePassX (requires to be online)
 - ◆ 1Password (Mac and Linux)

Win Big With KeePass



Demo

The screenshot displays the KeePass Password Safe interface. The window title is "KeePass Password Safe". The menu bar includes File, Edit, View, Tools, and Help. A search bar is visible at the top. On the left, a tree view shows the following categories: askew, Windows, Network, Internet, eMail, Homebanking, Clients, Software Keys, Hardware, and Recycle Bin. The main pane shows a table of password entries with the following columns: Title, User Name, Password, and URL. The entry for "RD1737 Joomla Site" is highlighted, showing a user name of "jaskew" and a URL of "http://www.lowtech.com/rd1737/". Below the table, the entry details are displayed: "Group: Internet, Title: RD1737 Joomla Site, User Name: jaskew, Password: *****, URL: http://www.lowtech.com/rd1737/, Creation Time: 7/14/2008 10:11:05 PM, Last Access Time: 8/11/2013 8:14:33 AM, Last Modification Time: 8/11/2013 8:14:33 AM". Below the details, there are "Security Questions;" listed as "What is your mother's maiden name? Askew" and "Where were you born: West Virginia". At the bottom left, it says "1 of 217 selected" and "Ready." at the bottom right.

Title	User Name	Password	URL
RD1737 Joomla Site	jaskew	*****	http://www.lowtech.com/rd1737/

Group: Internet, Title: RD1737 Joomla Site, User Name: jaskew, Password: *****, URL: <http://www.lowtech.com/rd1737/>, Creation Time: 7/14/2008 10:11:05 PM, Last Access Time: 8/11/2013 8:14:33 AM, Last Modification Time: 8/11/2013 8:14:33 AM

Security Questions;
What is your mother's maiden name? Askew
Where were you born: West Virginia

1 of 217 selected | Ready.

Win Big With Zotero

zotero

- ◆ What is Zotero
 - ◆ Internet Research Assistant
 - ◆ Archive, Organize & Annotate Web Pages
 - ◆ Collaboration Platform
 - ◆ Project Started at George Mason University

Win Big With Zotero

zotero

- ◆ Archive Web Pages
 - ◆ Your own personal Way Back machine
 - ◆ Saves dependencies such as embedded images and CSS
 - ◆ Retains Metadata for the page

Win Big With Zotero

zotero

- ◆ Organize
 - ◆ Folder structure
 - ◆ An item can be in multiple folders
 - ◆ Cross-Reference (Related Items)
 - ◆ Tags
 - ◆ Content and Metadata Index

Win Big With Zotero

zotero

- ◆ Annotate
 - ◆ Add Notes & Attachments
- ◆ Collaboration
 - ◆ Zotero Sync
 - ◆ Groups

Win Big With 7Zip



- ◆ Multi-format Archive / Un-Archiver
- ◆ Fast!!
 - ◆ 3 to 10+ times faster than Windows Archive
- ◆ Basic No-frills Interface
- ◆ Archive Security Features - Encryption
- ◆ Self-extracting EXE (using 7Z format)

Win Big With 7Zip



- ◆ Archiving and Un-Archiving Formats
 - ◆ 7z, XZ, BZIP2, GZIP, TAR, ZIP and WIM
- ◆ Un-Archiving Only formats
 - ◆ ISO, RAR, CAB, MSI, CHM
 - ◆ ARJ, CPIO, CramFS, DEB, DMG, FAT, HFS, LZH, LZMA, MBR, NSIS, NTFS, RPM, SquashFS, UDF, VHD, WIM, XAR and Z.
- ◆ www.7-zip.org

Win Big With Truecrypt



- ◆ Truecrypt
 - ◆ Open source software for disk and file encryption
 - ◆ Encrypts data before writing to a disk.
 - ◆ Decrypts data after it is retrieved from the disk.

Win Big With Truecrypt



- ◆ Modes of operation
 - ◆ encrypted partitions
 - ◆ drives
 - ◆ virtual volumes

Win Big With Truecrypt



- ◆ Performance
 - ◆ Parallelization
 - ◆ TrueCrypt uses all of the cores (or processors) in parallel for encryption and decryption
 - ◆ Pipelining
 - ◆ Allows encrypted data to be read and written at same speed as unencrypted drives
 - ◆ Hardware acceleration
 - ◆ Requires supported CPU

Win Big With Truecrypt



- ◆ Plausible deniability
 - ◆ Hidden volumes and operating systems
 - ◆ Partition data appears random (if wiped random before data written)

Win Big With Truecrypt



- ◆ Encryption algorithms
 - ◆ AES
 - ◆ Serpent
 - ◆ Twofish
 - ◆ Cascades

Win Big With PDFCreator



- ◆ Local PDF Printer
- ◆ Easy To Use / Configurable Profiles
- ◆ PDF Security Features
- ◆ PostScript → PDF Converter
- ◆ Not just PDF - Many Output Formats

www.pdfforge.org/pdfcreator



Win Big With PDFCreator



- ◆ Output Formats
 - ◆ PDF versions 1.2, 1.3, 1.4, 1.5
 - ◆ PDF/A, PDF/X
 - ◆ PNG, JPG, BMP, PCX, PSD
 - ◆ PostScript, EPS
 - ◆ TIFF
 - ◆ PCL, RAW, SVG
 - ◆ TXT

Win Big With PDFCreator



◆ Alternatives to Adobe Acrobat

◆ PDF-XChange Viewer (Recommended. Not OSS)

- ◆ Free version includes Typewriter, markup, stamps (e.g. facsimile signature) and OCR! Pro version has add'l features

- ◆ www.tracker-software.com

◆ Sumatra PDF (OSS. Fast, Bare-Bones)

- ◆ blog.kowalczyk.info/software/sumatrapdf/

◆ Foxit PDF Reader (Not OSS)

- ◆ www.foxitsoftware.com/

Win Big With Ntop



- ◆ Ntop
 - ◆ Web-based traffic monitoring platform
 - ◆ Display traffic stats with geolocation
 - ◆ Analyze TCP/IP packets for correct usage
 - ◆ Detect unwanted applications and services
 - ◆ Intrusion detection

Win Big With Ntop



- ◆ TCP/IP checks
 - ◆ Bad or improper packets
 - ◆ Detect scanning activity
 - ◆ Detect DOS attacks

Win Big With Ntop



- ◆ Bad Applications and Services
 - ◆ Unauthorized apps
 - ◆ Apps doing things they shouldn't be
 - ◆ Phone homes
 - ◆ Proxies

Win Big With Ntop



- ◆ Intrusion detection

Win Big With Ntop



- ◆ Running ntop
 - ◆ Install ntop package with apt-get or yum
 - ◆ Physically place ntop server on Internet segment
 - ◆ Start promiscuous and flows collections
 - ◆ View stats in web browser

Win Big With Ntop



- ◆ Demo

Win Big With Prey



- ◆ Prey Project
 - ◆ Laptop, mobile device theft recovery
 - ◆ Uses GPS or wifi (autoconnect) to determine location
 - ◆ Takes pictures or screen grabs of thief
 - ◆ Encrypts data
 - ◆ Additional password protection

Win Big With Prey



- ◆ Prey Project
 - ◆ Free for up to 3 personal devices
 - ◆ Approx a dollar a month per device for “Pro” version
 - ◆ More reporting
 - ◆ More frequent
 - ◆ Encryption
 - ◆ Automated deployment

Win Big With Prey



- ◆ Ports
 - ◆ Windows
 - ◆ Linux
 - ◆ Android
 - ◆ Mac
 - ◆ iOS
- ◆ Preyproject.com

Win Big With Open Source

- ◆ Questions and Answers

Win Big With Open Source

Thank You

Please Fill Out a Survey Card