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Free and Open Source Software (FOSS) for Windows (and Linux)  
Computer Tech 2017  
IMPORTANT RESOURCES FREE REPLACEMENT FOR EXPENSIVE PROGRAM

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| **No.** | **Program Purpose** | **Name** | **Link** |
| 00 | OpenDNS | Open DNS | [https://opendns.com](http://opendns.com) |
| 01 | Archive files (zip/unzip) | **7 Zip (replace WinZip)** | [http://www.7zip.org](http://7zip.org) |
| 02 | File security: check sums (sha256, md5, etc.) | Jacksum | <http://www.jonelo.de/java/jacksum/index.html> |
| 03 | Internet browser | **Chrome and Firefox (replace MS Internet Explorer or Edge)(add-ons: LastPass, Xmarks** | <https://www.google.com/intl/en/chrome> [https://www.mozilla.org/en-US/firefox/new](https://www.mozilla.org/en-US/firefox/new/) |
| 04 | Mail (web) | Gmail | [https://gmail.com](https://gmail.com/) |
| 05 | Operating system (GNU/Linux) | Ubuntu **(replace Microsoft Windows**) | <http://www.ubuntu.com/desktop> |
| 99 | Version control/backup | **Bitbucket (free private Git repositories for up to five people)** | [https://bitbucket.org](https://bitbucket.org/) |
| 99 | Accounting (personal and business) | **GNU Cash (replace Quicken)** | <http://gnucash.org> |
| 99 | Command line shell | Windows Power Shell (part of Win 7, Win 10, add-on for other Wins) | <http://support.microsoft.com/kb/968929> |
| 99 | Encryption, public/private keys, authentication | GNU Privacy Guard (gpg) | [https://gnupg.org](https://gnupg.org/) |
| 99 | File transfer | Dropbox | [https://www.dropbox.com](https://www.dropbox.com/) |
| 99 | Graphics (photo and image editing) | **Gimp (replace Photoshop)** | [https://www.gimp.org](https://www.gimp.org/) |
| 99 | Graphics (vector drawing) | **Inkscape (replace CorelDraw)** | [https://inkscape.org](https://inkscape.org/) |
| 99 | Office suite | Libre Office (branch from OO; replace MS Office) | [http://www.libreoffice.org](http://www.libreoffice.org/) |
| 99 | Mathematical Programming | **SciLab (replace MatLab)** | [http://www.scilab.org](http://www.scilab.org/) |
| 99 | Password manager | LastPass (add-on for Chrome and Firefox) | [https://lastpass.com](https://lastpass.com/) |
| 99 | PDF reader | Adobe Acrobat Reader DC | [https://get.adobe.com/reader](https://get.adobe.com/reader/) |
| 99 | Publishing (page layout) | **Scribus (replace Adobe PageMaker/InDesign)** | <http://www.scribus.net> |
| 99 | Resources (Linux) | Freecode (no longer updated as of 2014) | <http://freecode.com/> |
| 99 | Resources (programs for all OSs) | Source Forge | <http://sourceforge.net> |
| 99 | Resources (programs) | Free Software Foundation (GNU) | <http://www.gnu.org/> |
| 99 | Resources (programs) | Apache | <http://apache.org> |
| 99 | Search engine, other apps | Google | <http://google.com> |
| 99 | Version control (centralized) | Subversion | <http://subversion.apache.org> |
| 99 | Version control (distributed) | Git | [https://git-scm.com](https://git-scm.com/) |
| 99 | Version control (distributed) | Bazaar (development is stagnant) | <http://bazaar.canonical.com/en> |
| 99 | Version control (distributed) | Mercurial | <http://mercurial.selenic.com> |
| 99 | OS (info on GNU/Linux distributions) | **Distro Watch** | [http://distrowatch.com](http://distrowatch.com/) |
| 99 | RDBM (relational databases) | SQLite (replace Microsoft Access) | [https://www.sqlite.org](https://www.sqlite.org/) |