Rough Research Linux:

Topic A:Productivity & application:

* Microsoft Office
* Libre Office
* Evernote
* Calligra
* Office 365
* WPS office
* Only Office
* Open Office
* Qownnotes
* Xmind
* Thinkfreeoffice
* Officesuite

Source: Google Answers

Link: <https://www.google.ca/search?safe=strict&rlz=1C1GGRV_enCA813CA813&ei=4kTkW4WbDYa0jwT_0b6gAw&q=list+of+productivity+applications+for+linux&oq=list+of+productivity+applications+for+l&gs_l=psy-ab.3.0.33i22i29i30k1.35544.36491.0.38253.6.6.0.0.0.0.110.589.3j3.6.0....0...1c.1.64.psy-ab..0.6.587...0i22i30k1.0.1DAumHW68Ys>

Topic B: Entertainment and media software:

* VLC Media Player
* Firefox
* Spotify
* MPlayer
* SUBSONIC
* Emby
* Plex
* Kodi

Source: Smart Home Beginner

Link:<https://www.smarthomebeginner.com/best-linux-media-center-software-2017/>

<https://en.wikipedia.org/wiki/SubSonic_(software)>

<https://en.wikipedia.org/wiki/Plex_(software)>

<https://en.wikipedia.org/wiki/Emby>

<https://en.wikipedia.org/wiki/Kodi_(software)>

<https://en.wikipedia.org/wiki/MPlayer>

<https://en.wikipedia.org/wiki/Spotify>

<https://en.wikipedia.org/wiki/VLC_media_player>

Topic C: Programming Tools & Environment

* Containers-
* Version Control System
* Text Editor
* IDE
* Diff tools
* Atom-Linux Code editor
* Brackets-Linux HTML Code editor
* Gedit-Integrated Developments Environment
* Bluefish-Linux HTML Editor

Source: UBUNTUPIT AND LINUX.COM

Links: <https://www.ubuntupit.com/best-linux-code-editor-top-10-reviewed-compared/>

<https://www.linux.com/learn/intro-to-linux/2018/8/5-essential-tools-linux-development>

Topic D: System Tools:

* Top-Linux Process Monitoring
* Sysadmin-System Admintor
* Linux Rsync- Rsync Remote
* Python- Collects and Analyze Information in codes
* Pandora FMS- Server Monitoring

Source: PandoraFMS and Tecmint

Links: <https://blog.pandorafms.org/linux-tools/>

<https://www.tecmint.com/command-line-tools-to-monitor-linux-performance/>

Topic E: Software security and Updates

* Linux have a multi-tier security that permits them from rooting any system wide changes
* Use are restricted to where they can save files,what hardware they can access,there memory usage,disk usage and range of priority settings they can apply

Linux Software Security Softwares can include the following:

* Authentication Modules(PAM and OPIE)
* System Logging (Syslog)
* Networking Services(TCP Wrappers,port mappers and xinetd
* The Shell (SSH)
* Cryptographic Software (TCFS)
* Any many more...

Source: Wikipedia

Link: <https://en.wikipedia.org/wiki/Category:Linux_security_software>

* Linux has multiple different operating systems….which all have different versions of updates
* Latest version of Kali Linux contains AMD Secure Memory Encryption Support and Increase memory limits
* Updates can fix bugs and tweaks and minor items in the software around a few couple weeks
* New updates can install new useful applications for programing,virus and more.

Links:

<https://blog.linuxmint.com/?p=3462>

<https://www.kali.org/news/kali-linux-2018-1-release/>

<https://www.hostingadvice.com/how-to/update-node-js-latest-version/>

Topic F: File System & User Accounts:

*Types of File Systems on Lixux:*

* Ext2
* Ext3
* Ext4
* Jfs
* ReiserFS
* XFS
* Btrfs
* Encryption

Source:Tecmint

Link: <https://www.tecmint.com/linux-file-system-explained/>

User Accounts:

* More than one person can make a user on Linux OS
* Can change user properties
* Can add security to users with passwords and other ways

Source: tldp

Links: https://www.tldp.org/LDP/sag/html/adduser.html#UID-GID

Topic G: Special Features of lInux

* Multi Platform - which means can work on different types of hardware in same way
* Multitasking
* Multi User
* Multiprocessor (SMP) Support
* Multithreading Support
* Virtual Memory
* Hierarchical file system
* Graphic User System(X Window System, Wayland)
* Open Source

Source: quora

Link: <https://www.quora.com/What-are-the-some-features-of-linux>

<https://opensource.com/resources/what-open-source>

<https://www.lugod.org/presentations/intro2linux/page3.html>

Topic H – Limitations of your OS

* Difficult to find applications for needs on linux
* Before you install any new driver make sure it’s available for Linux
* Most PC GAMES don’t support linux
* No Standard edition for linux like MACS or WINDOWS

Link: <http://linuxblog.darkduck.com/2011/11/disadvantages-of-using-linux.html>

<https://renewablepcs.wordpress.com/about-linux/advantages-of-using-linux/>

<https://blog.storagecraft.com/linux-advantages-disadvantages-open-source-technology/>