5Capstone Source Chart / Samurin

**Primary Research Question:**

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|  | **Sub-Question 1:**  Where will you interact with Linux | **Sub-Question 2**  what kind of Linux is used | **Sub-Question 3**  Linux From Scratch | **Sub-Question 4**  Linux use is servers and supercomputers | **Sub-Question 5**  Why is Linux used? | **Sub-Question 6**  Are there any other ways that Linux can or is being used daily? |
| S1  Noronha:1999 |  |  |  |  | Free and easy to get working on any computer | There is lots of talent and no money in South Asia without money there is no way to give these people the tools to except for, Linux and the Open-Source Movement. |
| S2 Hochmuth:2002 |  |  |  | The large-volume division of FedEx moved all their web servers to use Red Hat Linux and the Apache Web server. They were looking for a long time to switch to Linux and the motivations for the mover were to move to a lower cost solution and improved security. | Cheaper due to licensing and more secure out of the gate. |  |
| S3  Lewis:2002 | With most of the email and website services using Linux you will end up using it a lot more then you expect. | As his daily computer he has Mandrake Linux and is also talking about his use of it on servers. | Parts of this article talk about Linux and how it is created and works. For example, the difference between the Linux kernel and the rest of the OS. | It is estimated (in 2002) that 65% of the World Wide Web runs off the Apache Web Server which is Linux based. On top of that most of the mail servers run Linux as well. | This author says that Linux is highly capable and that there are many more reasons. One of those extra reasons being the extra stability and high level of performance. | The author talks about himself using desktop Linux as his daily Operation System. |
| S4  Thibodeau:2004 |  |  |  | This article talks about two new supercomputers (at that time in 2004) and 1 of them runs Linux the on for NASA. The other runs IBM’s AIX version of Unix |  |  |
| S5  Wong:2005 | This is used daily with phones and handheld devices | The type of Linux that is being used is called MontaVista Linux. MontaVista is a enhancement of the built in Real-Time(RT) capabilities |  |  | The Real-Time capabilities of the Linux kernel can be used in large amounts of electronics cheaper because of the free and open nature of Linux. |  |
| S6  DiMascio:2005 |  |  |  |  | There isn’t much info that the Army give about why they choose a specific system but they did say the Real-Time and safety-criticality are 2 reasons why they chose the Linux system. |  |
| S7  Mutiara:2007 |  | They talk a lot about Fedora and its relation to the benchmark but for the final test they end up using Slackware. |  | This is a benchmark to show how Linux performs in a web server at the end of the day, and it ends out quite well. |  |  |
| S8  Leon:2017 |  | They use Raspbian in this project because it’s built for the Raspberry Pi and it runs quick and well on there. |  |  | The reason Linux is uses is that it’s light weight and can run very well on a Raspberry Pi which is one of the pieces of hardware that is used in this project. | This article talks about a different kind of project that uses a mix of hardware and software which one piece of it being Linux. |
| S9  Maurer:2020 |  |  | This article is talking about a the different levels of a server and the cloud. These layers are: Hypervisors, Virtual Machines (VM), and Images. All of these layers have some sort of Linux on board like the hypervisor is a KVM which is built in to the Linux kernal |  |  |  |
| S10 |  |  |  |  |  |  |
| S11 |  |  |  |  |  |  |
| S12 |  |  |  |  |  |  |

How to use chart: Paste a **summary,** not a direct quotation, of the color-marked information from each academic journal article that answers a particular sub-question. Most sources will only answer a few of your sub-questions so you will have a few blank cells in your chart.