Assignment 1

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In this assignment I would like to discuss the difference between the two distributions Red Hat, and Debian. Touching on the points which is better for business versus home use, what makes Linux better than Windows, and how Linux could become more preferable for home users. Some key differences between these two distributions are the package management, release cycle and stability, and the commercial entities.

Red hat uses a different package management than Debain. Debian uses dpkg and apt while Redt hate uses yum and dnf. The release cycles and stability for red hat and Debian are different because red hat follows a conservative release cycle with a focus on stability. Meaning Red hate has a clear product life cycle, and each major release is supported for an extended period. Debains release cycle has a stable release, but also includes testing and unstable branches. It’s known for its reliability, but is less stable. This makes it prone to the “release when ready” philosophy which can range in any amount of time because it’s based on the team deems it sufficiently stable. Lastly another key difference between the two distributions is that Red hat is a commercial entity with a subscription based business model which makes it better suited for offering enterprise solutions and support. Making it the better option for business, and government environments where stability and support are crucial. Debian is developed and maintained by volunteers worldwide with a focus in community driven development and free software principles making it better suited for the home user because there’s no subscription needed, and it serves a broad user base.

A huge difference that Linux could make to appeal more to home users is providing better gaming support for gamers. Improving gaming experience, installation, and compatibility with popular gaming platforms could really open up some popularity in the home user space. Providing an easier explanation and installation for users to easily discover and manage applications could make it more comparable to other operating systems. Enhancing while simplifying these features could improve overall user experience. Some real life reviews can be found at [reddit](:/www.reddit.com/r/linuxadmin/comments/47os85/which_you_prefer_debian_or_redhat_i_am_rhce)

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