



Survey on Cloud and Media Centre on Raspberry Pi

Swapnil Raut¹, Ankit Chandak², Shiwani Ghodmare³, Prajakta Joshi⁴, Minal Dhawale⁵
Prof. Mohammad Sajid⁶

^{1, 2, 3, 4, 5} B.E Final Year Students, Department of Computer Science and Engineering, Priyadarshini Institute of Engineering and Technology, Nagpur, India

⁶ Assistant Professor, Department of Computer Science and Engineering Priyadarshini Institute of Engineering and Technology, Nagpur, India

[1]swap2200@gmail.com [2]chandak.ankit4@gmail.com [3]shiwani.ghodmare13@gmail.com [4]
prajaktajoshi2510@gmail.com [5]minaldhawale97@gmail.com [6]sajid4u0023@gmail.com

ABSTRACT

Nowadays cloud storage is all the rage in world. Almost everyone who use a smartphone uses a cloud storage service. This project introduces a system focused on cost reduction and providing quality services in the field of technology. Raspberry Pi is a powerful yet small credit card sized computer that can carry out tasks that requires decent amount of processing power. This project uses a web interface hosted on the Raspberry Pi which in turn enables user to move his/her data back and forth from his/her handheld device. This project also proposes a system which would enable user to consume data on the Raspberry Pi by connecting the same to a screen. By means of a media server, user will be able to consume the data that he /she previously stored on the Raspberry Pi on a considerably large screen without downloading the media to their personal device. This project will result in drastic cost reduction that is incurred by an individual for using cloud services. The complete system will be based on wireless communication and can be controlled by the user remotely.

Keywords- Raspberry Pi, Cloud Storage, Smartphone, Media server.

I) INTRODUCTION

We came across a problem scenario which is faced by almost every individual who has an acquaintance with the technology and proposed a solution to the same problem by using Raspberry Pi. Further, every step off proposal is mentioned in detail including the installation of the operating system on the board including the services required to be installed on the Pi.

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With the advent of 21st century new technologies, methodologies and concepts were being introduced to the world. As the years rolled by new technologies and ideas made their way into the modern world. The concept of cloud storage was brought into existence by Joseph Carl Robnett Licklider in the 1960. Today, cloud storage services are widely used by individuals across the globe and the technology surrounding it is vastly developing. However, access to these services comes with a significant cost.

Thus, there arises the need to address this problem and reduce the overall cost that an individual incurs whilst having access to the services. The proposed project addresses the problem by providing the same services to the user while maintaining the quality of the service. Now, consider a situation where a person has to pay a hefty amount to the cloud storage services monthly or annually in order to maintain his/her data. To

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