



WEBSITE FOR CLOUD BASED MULTI SOFTWARE SHARING SYSTEM

Keerthanya Shri M¹, Dr. K. Devika Rani Dhivya²

¹UG Student (III B.Sc. Computer Science), Department of Computer Science, Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu, India

²Head of the Department, Department of Computer Science, Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu, India.

Abstract –“Website for cloud based multi software sharing system”.This Project used to cloud based software sharing group resource among cloud users. In this owner of the software sharing multi software to users, if the owner gets multi software for a day by day. It proposes secure multi software sharing for dynamic groups in the cloud. By leveraging login security techniques, any cloud user can anonymously share software with others. Security key generate for each user uniquely.

Cloud based relies on sharing of resources to achieve coherence and economy of scale. First, One users upload the new techniques software to the application. Another user login to the page go to main form the software files and downloads the chosen software to convenient helps to encryption key. Such as user name, password and encryption key.

Key Words:Predictive Analytics, Workflow Optimization, Heuristic Engine, Python Flask, MySQL.

1.INTRODUCTION

Cloud platform services, concepts, and applications such as storage, processing power, virtualization, and connectivity allow the use of sharing data. Ensuring user's privacy and security of data are the most concerned challenges. However, the integrity of knowledge, knowledge transfer, knowledge of the location and features such as optional backup and recovery are the additional problems associated with cloud computing. Users presume that cloud service suppliers provide an assurance that the while data is in transit from the user's establishments to the cloud servers, its confidentiality and

integrity would not be negotiated and their data can get transferred securely to confirm such high level of data security.

The aim of this project is to share the software among the users field. Cloud computing is used to store the file in secured manner. Admin add the different software in this project. Users view the software and buy the particular software using key. The software includes the name of the software, date and price etc. And also users are canceling the particular software file. The Cloud based Technology is that enables ubiquitous access to shared pools of configurable system resources and higher-level services that can be rapidly provisioned with minimal management effort, often over the Internet. Cloud based relies on sharing of resources to achieve coherence and economy of scale..[1]

1.1 Objective

This Project used to cloud based software sharing group resource among cloud users. In this owner of the software sharing multi software to users, if the owner gets validity software for a time period but they are breakup the time period. At that time, was canceled, another new user can continue the software up to the membership period. We propose secure multi software sharing for dynamic groups in the cloud. By leveraging login encryption techniques, any cloud user can anonymously share software with others. Meanwhile, the software sharing encryption computation costs of our scheme are independent with the number of revoked users.[1]

1.2 System Specifications

The system is optimized for performance on modern hardware, requiring an AMD Ryzen 5000 Series processor and 8GB of RAM. The software environment utilizes Windows 11 with Python as the primary language and VS



Code as the development environment.[2]

2. PROPOSED METHODOLOGY

This proposes surveys recent research related to single and multi-cloud security and addresses possible solutions. It is found that the research into the use of multicloud providers to maintain security has received less attention from the research community than has the use of single clouds. This work aims to promote the use of multiclouds due to its ability to reduce security risks that affect the cloud computing user. These terms suggest that cloud computing should not end with a single cloud. Using their illustration, a cloudy sky incorporates different colors and shapes of clouds which lead to different implementations and administrative do mains. Recent research has focused on the multi-cloud.

Table -1: System Module Overview

Module Name	Primary Function
Data Collection Module	Collects and stores workflow data from different sources for analysis.
Data Preprocessing Module	Cleans, organizes, and prepares the collected data for predictive analysis.
Predictive Analytics Module	Uses analytical models to predict future workflow performance and outcomes.
Heuristic Analysis Module	Applies heuristic techniques to find efficient solutions and optimize workflows.
Reporting & Visualization Module	Displays analysis results and workflow performance through reports and dashboards.
User Interface Module	Provides an interface for users to interact with the system and view results.
Database Management Module	Stores workflow data, predictions, and system information securely.
Workflow Optimization Module	Improves task scheduling and resource allocation for better efficiency.

2.1 The Heuristic Logic

The system uses a mathematical weightage system to calculate the Project Health Score. It factors in the proximity of the deadline against the current task status.

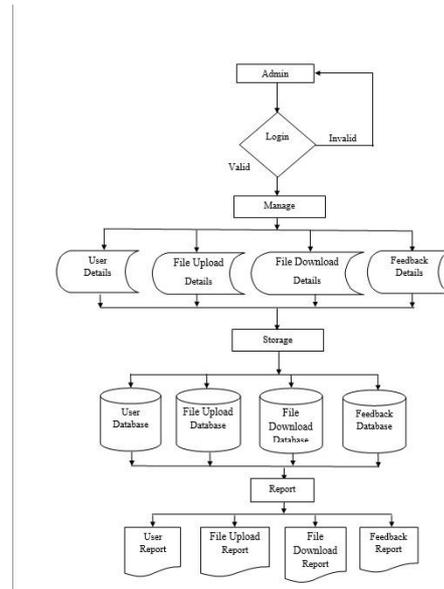


Chart -1: Workflow Logic Flow

The core of the system is a mathematical weightage model designed to calculate the Project Health Score. This heuristic logic evaluates the proximity of the deadline against the current task status retrieved from the MySQL database. If a task is nearing its deadline without being marked as 'Completed,' the engine applies a higher penalty weight, directly influencing the organizational dashboard.[3]

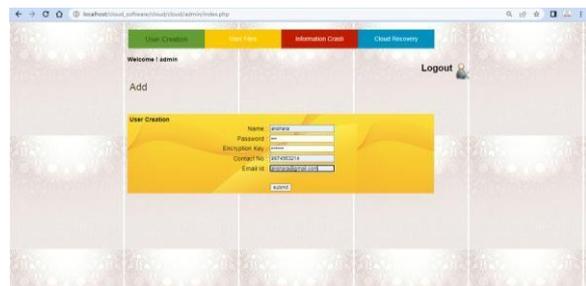




Fig -1: Corporate Analytics Hub Interface

The Corporate Analytics Hub serves as the primary visualization layer of the system, transforming raw operational data into actionable strategic intelligence. As

shown in Fig -1, the dashboard provides a high-level summary of organizational performance through real-time key performance indicators (KPIs), including the total number of projects, active employee count, and average workload per member.[3]

The integration of Chart.js within the dashboard enables a dynamic interaction with the backend MySQL database, ensuring that any task update performed by an employee is reflected instantaneously in the visual reports. This real-time synchronization eliminates the latency typical of manual reporting systems. By observing the "Status Mix," administrators can quickly discern the ratio of completed work to pending obligations, providing a clear snapshot of the project's velocity. This visual clarity is essential for identifying "bottleneck" phases where tasks may be accumulating without progression, allowing for immediate corrective measures.[5]

Beyond simple tracking, the hub functions as a predictive oversight tool by bridging the gap between raw data and executive decision-making. The "Workload Distribution" metrics are particularly vital for maintaining organizational health, as they highlight instances where specific team members may be over-utilized while others remain undertaxed. By balancing these loads through the insights provided by the Heuristic Engine, the system not only ensures that project deadlines are met but also promotes a sustainable work environment. Consequently, the Corporate Analytics Hub transforms the management role from one of administrative coordination to one of proactive strategic optimization.[4]

3. CONCLUSIONS

The *Cloud Based Multi Software Sharing* system provides a secure and efficient platform for sharing software resources among cloud users. By utilizing cloud technology and a multi-cloud storage approach, the system ensures high availability, data integrity, and protection against information loss caused by system crashes. The implementation of unique encryption keys and secure login mechanisms enhances data confidentiality and

prevents unauthorized access. The admin and user modules are designed to function independently yet cohesively, allowing effective user management, file monitoring, and reporting.

Overall, this system successfully achieves its objective of reliable software sharing, while improving resource utilization, security, and scalability in a cloud-based environment.[5].

Ultimately, this research provides a scalable framework that not only improves operational transparency but also fosters a culture of accountability and proactive problem-solving within modern professional environments.[6]

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BIOGRAPHIES

Keerthanya Shri M Final year B.Sc. Computer Science student at Sri Krishna Arts and Science College, Coimbatore. He is a passionate full-stack developer with expertise in Python, Flask, and MySQL. His research interests include predictive data modeling, workflow automation, and creating intelligent software solutions for organizational efficiency.

Dr. K. Devika Rani Dhivya Head of the Department, Department of Computer Science, Sri Krishna Arts and Science College. She has extensive experience in academic research and administration, specializing in advanced computing, software architecture, and guiding student-led innovations in the field of information technology.