

COMP 6231 Project

CineMatch: Movies You'll Love, Just a Click Away

Group: Database

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Features Used in the System

1. Load balancing
2. Data replication
3. Fault tolerance
4. Virtualization
5. Distributed Data Processing



Introduction

Problem Statement: The challenge of choosing movies among a large volume of films can lead to poor recommendations.

 GROUPLENS AND 1 COLLABORATOR · UPDATED 6 YEARS AGO

635

New Notebook

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MovieLens 20M Dataset

Over 20 Million Movie Ratings and Tagging Activities Since 1995

[Data Card](#) [Code \(382\)](#) [Discussion \(2\)](#) [Suggestions \(0\)](#)

About Dataset

Context


The datasets describe ratings and free-text tagging activities from MovieLens, a movie recommendation service. It contains 20000263 ratings and 465564 tag applications across 27278 movies. These data were created by 138493 users between January 09, 1995 and March 31, 2015. This dataset was generated on October 17, 2016.

Users were selected at random for inclusion. All selected users had rated at least 20 movies.

Content

No demographic information is included. Each user is represented by an id, and no other information is provided.

The data are contained in six files.

Usability 
7.06

License
Unknown

Expected update frequency
Not specified

Tags

Business

Movies and TV Shows



System Architecture

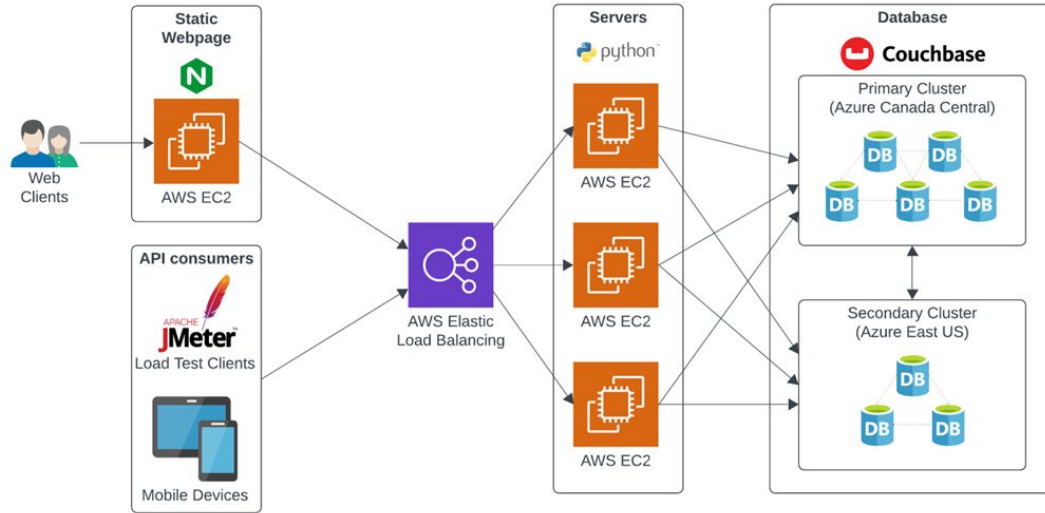
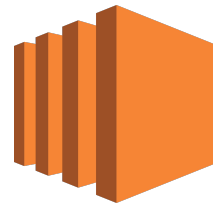
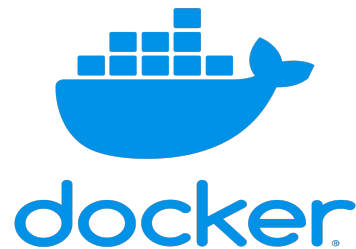


Figure 1 :Overview of System Diagram

Key Technologies Used

NGINX



Conclusion and Future Work

Link to the application:

[Link](#)

Future Work:

Potential enhancements in recommendation algorithms and broader dataset integrations for improved user experience with daily updates on the dataset using web scrapping.

