

Project Design Phase-2

Technology Architecture (Architecture & Stack)

Date	28 October 2022
Team ID	PNT2022TMID32768
Project Name	NEWS TRACKER APPLICATION
Maximum Marks	4 Marks

Technical Architecture:

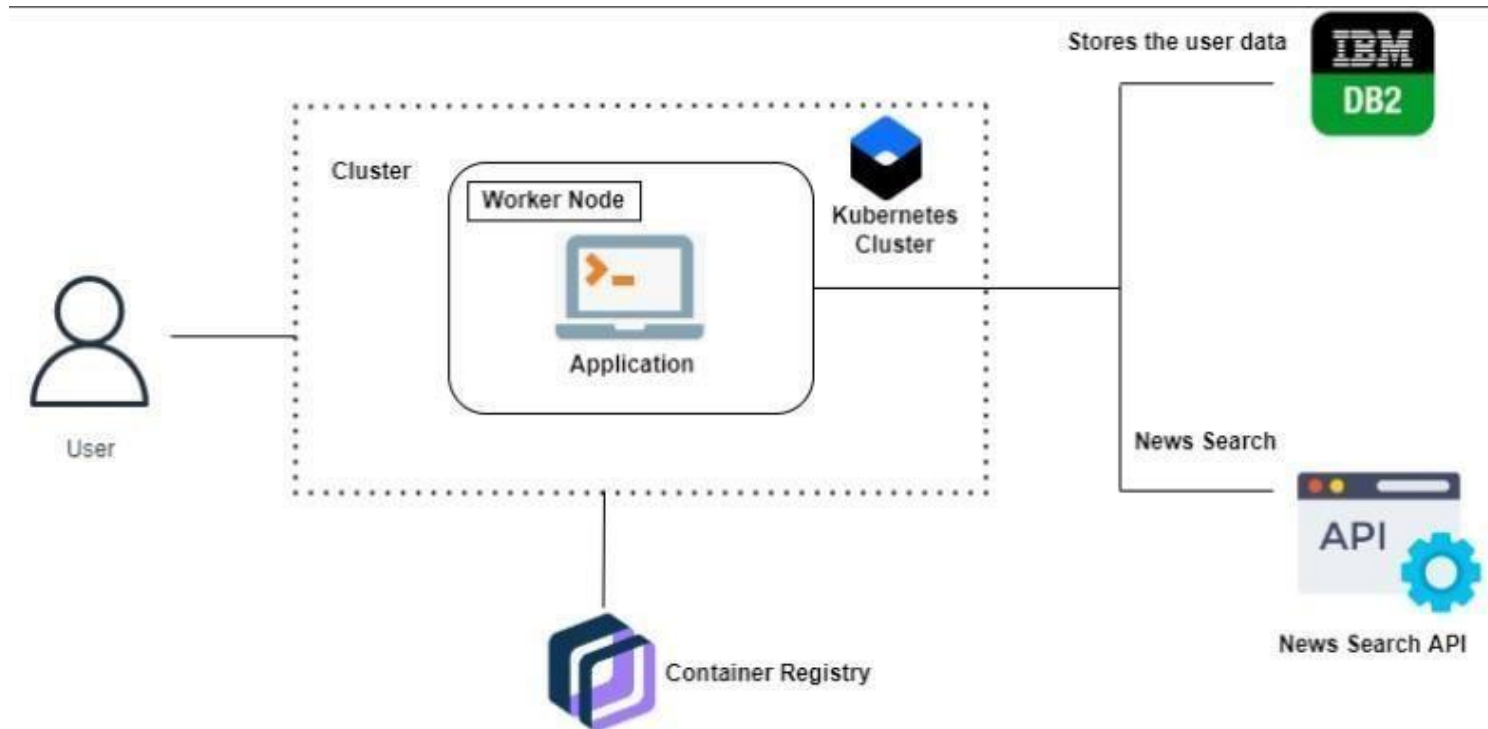


Table-1: Components and Technologies:

S. No	Component	Description	Technology
1.	User Interface	How user interacts with application	HTML, CSS, JavaScript.
2.	Application Logic-1	News Suggestions based on user interest	Python
3.	Application Logic-2	Automated Notification to the Users	SendGrid
4.	Database	Storage of News Contents	MySQL
5.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloud
6.	File Storage	File storage requirements	IBM Object Storage

Table-2: Application characteristics:

S. No	Characteristics	Description	Technology
1.	Open-source frameworks	Microweb framework written in Python	Flask
2.	Scalable Architecture	Client, Server, Cloud Database. (3-tier)	Docker, Kubernetes.
3.	Performance	The performance will be high because there will be no network traffic congestion upon requests to the application	Kubernetes