News Tracker Application

Cloud Application Development

Team members:

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Guided by;

IBM (ICT - Academy) under Nalaiya Thiran Initiative by Govt of Tamilnadu.

Github Link : https://github.com/IBM-EPBL/IBM-Project-44614-1660725553

Overview:

PROBLEM STATEMENT

PROPOSED SOLUTION
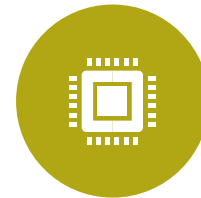
TECHNOLOGIES USED

TECHNICAL ARCHITECTURE

WORKING DEMO OF THE PROJECT

DEPLOYMENT OF PROJECT

PERFORMANCE METRICS (RESULTS)

SCALABILITY / FUTURE SCOPE

Problem Statement:

The existing news application contains irrelevant news articles and annoying ads.

Proposed Solution:

To overcome the problems mentioned in the problem statement, it is proposed to develop a news application in such a way that the user can,

Read online articles without any annoying contents

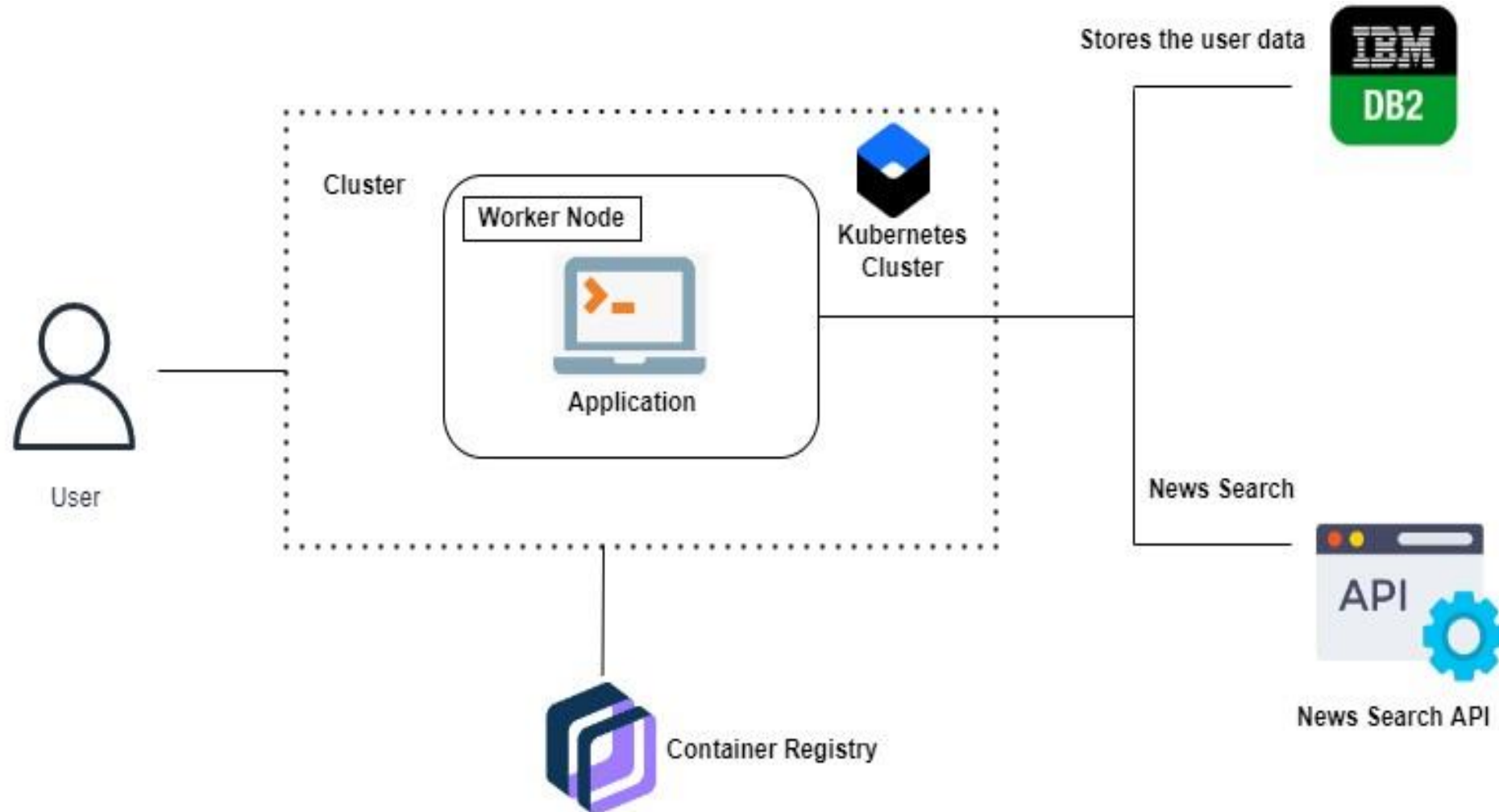Read precise contents

Avoid irrelevant news

Technologies Used:

Various Technologies used for our project development are,

- Python

- Flask

- IBM DB2

- Docker

- Kubernetes

- IBM Cloud Container Registry

- News API from newsapi.org

Technical Architecture:

Project Working Demo:

Our Project was successfully deployed to the kubernetes cluster from IBM Cloud Container Registry.

Which can be accessed via the links given below:

- IP/Port: 159.122.187.10:32251
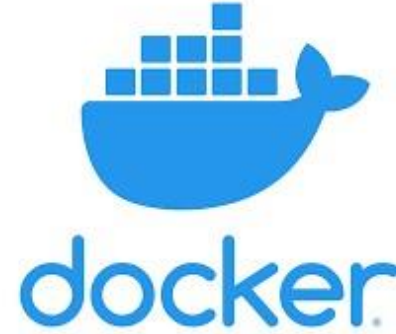
- Link: https://newstracker.ml/

Deployment:

Our Project is successfully deployed to cloud using the following technologies,

- Docker

- IBM Cloud

- Kubernetes

Dockerhub repository: (Docker Playground Commands)

- docker pull sriramrmx/cad

- docker run –p 5000:5000 sriramrmx/cad

Performance Metrics (Result):

We have successfully completed the performance testing and user acceptance testing, which produces good performance metrics of our application.

Scalability and Future Scope:

- As of now we have include limited news resources in future more number of sources were planned to be included.

- Also planned to enable the user to customize their news articles and contents allows them to read more precise and relevant contents to them.

Thank you:

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