

News Tracker Application

Cloud Application Development

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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-1354-1658385745>



Overview:



PROBLEM
STATEMENT



PROPOSED
SOLUTION



TECHNOLOGIE
S USED



TECHNICAL
ARCHITECTUR
E



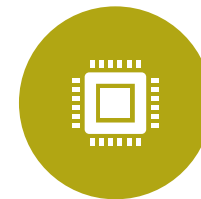
WORKING
DEMO OF THE
PROJECT



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

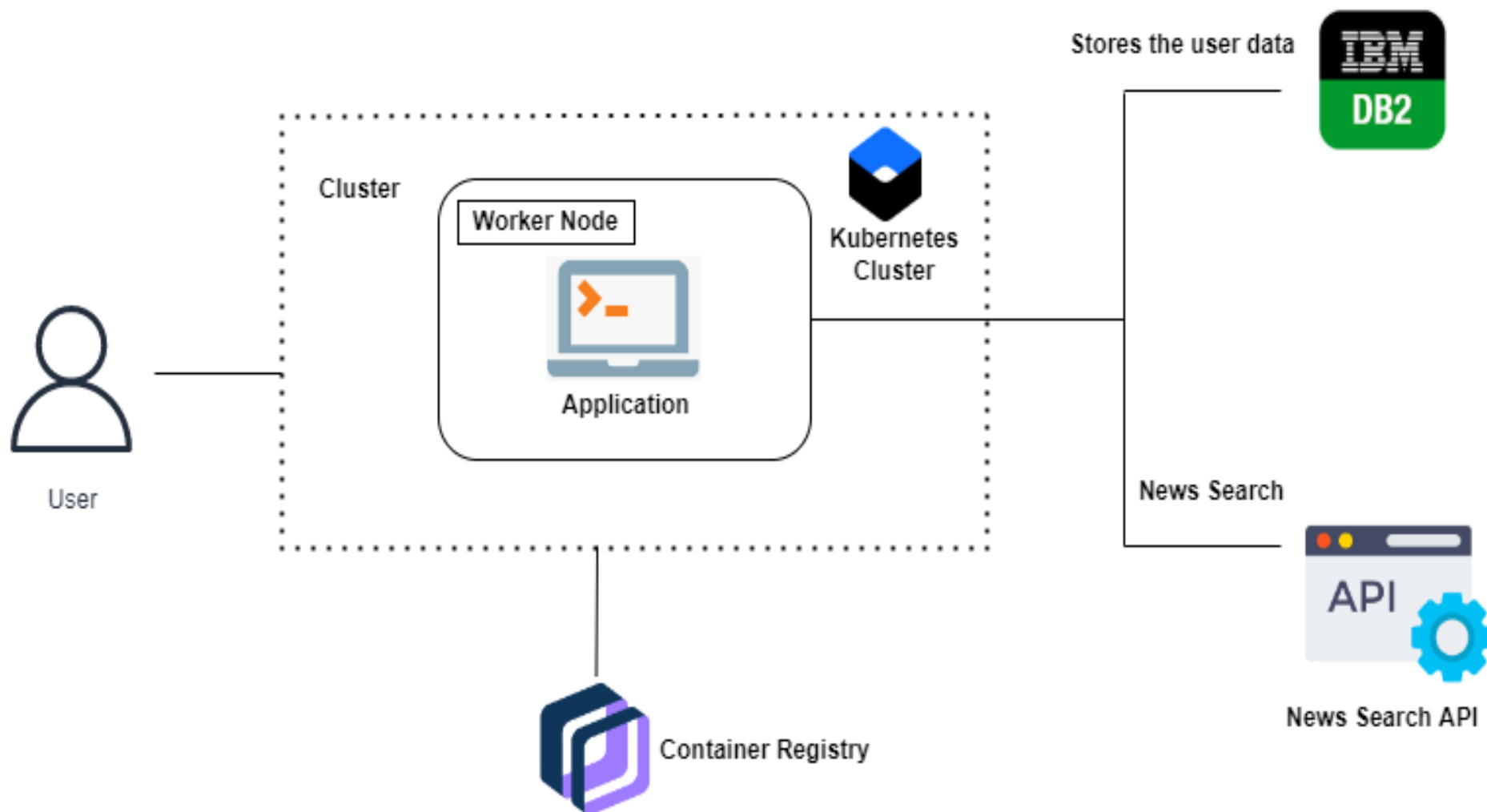


Technologies Used:

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`



IBM Cloud



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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