NEWS TRACKER APPLICATION

CLOUD APPLICATION DEVELOPMENT

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IBM (ICT - ACADEMY) UNDER NALAIYA THIRAN INITIATIVE BY GOVT OF TAMILNADU)

GITHUB LINK:HTTPS://GITHUB.COM/IBM-EPBL/IBM-PROJECT-21277-1659776720

Overview:

PROBLEM STATEMENT

PROPOSED SOLUTION

TECHNOLOGIE S USED

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DEPLOYMENT OF PROJECT

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SCALABILITY / FUTURE SCOP

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,

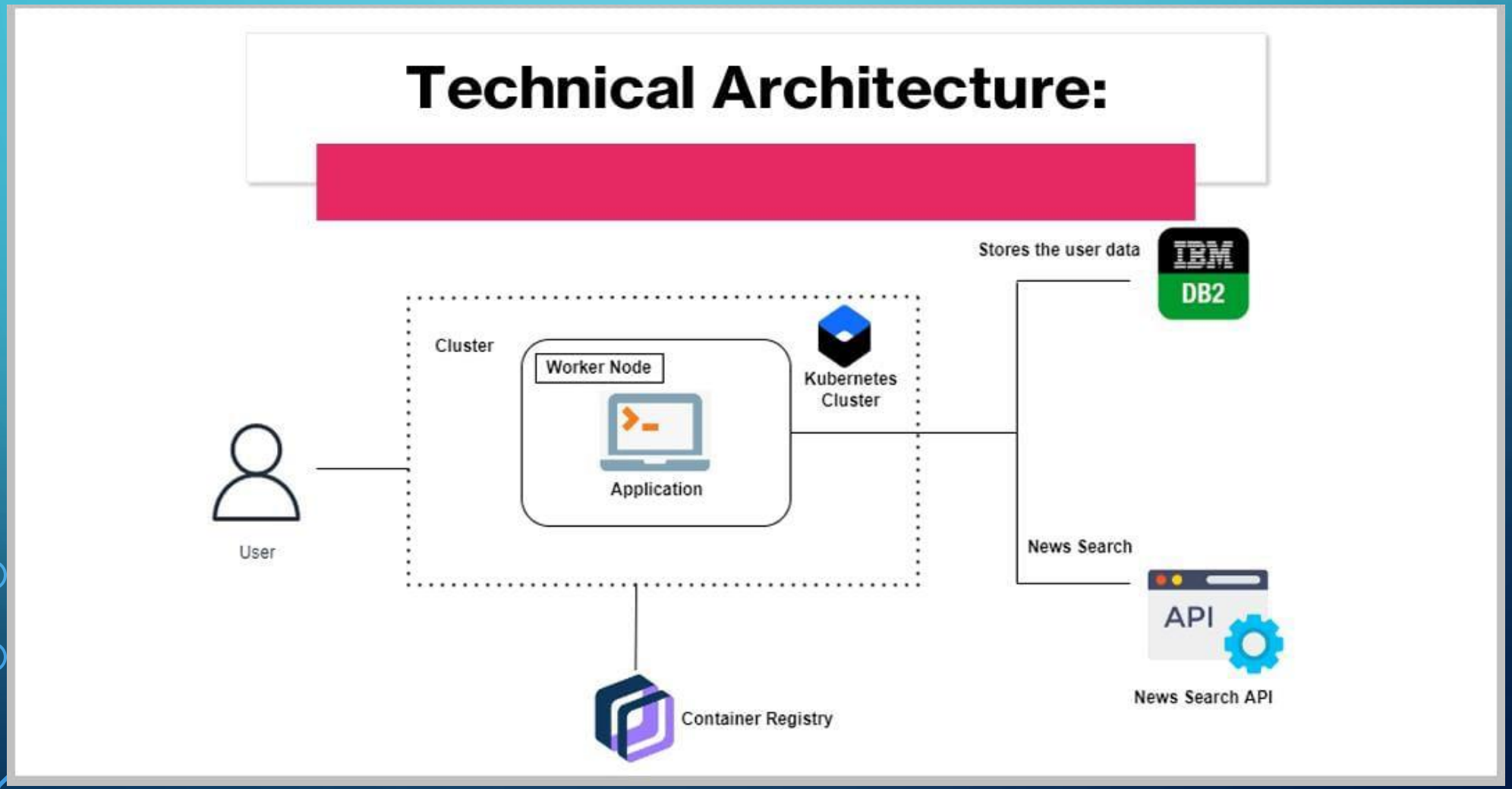
- READ ONLINE ARTICLES WITHOUT ANY ANNOYING CONTENTS
- READ PRECISE CONTENTS
- AVOID IRRELEVANT NEWS

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

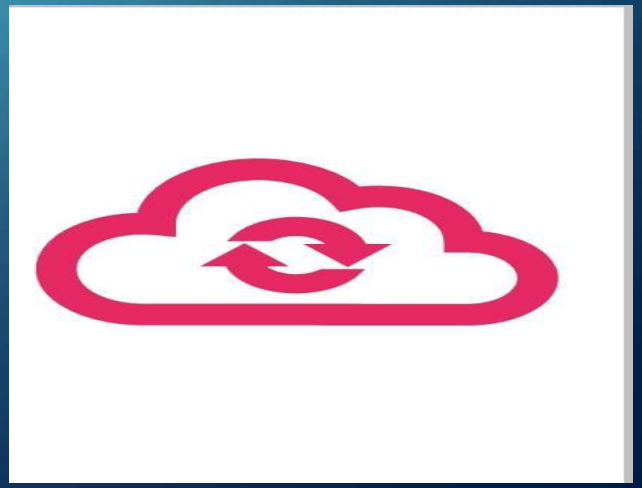


PROJECT WORKING DEMO:

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/



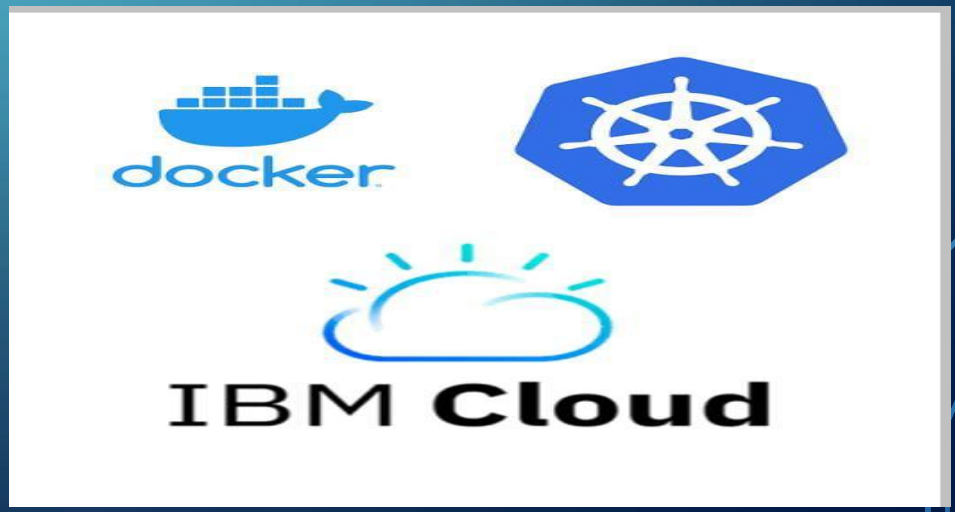
DEPLOYMENT:

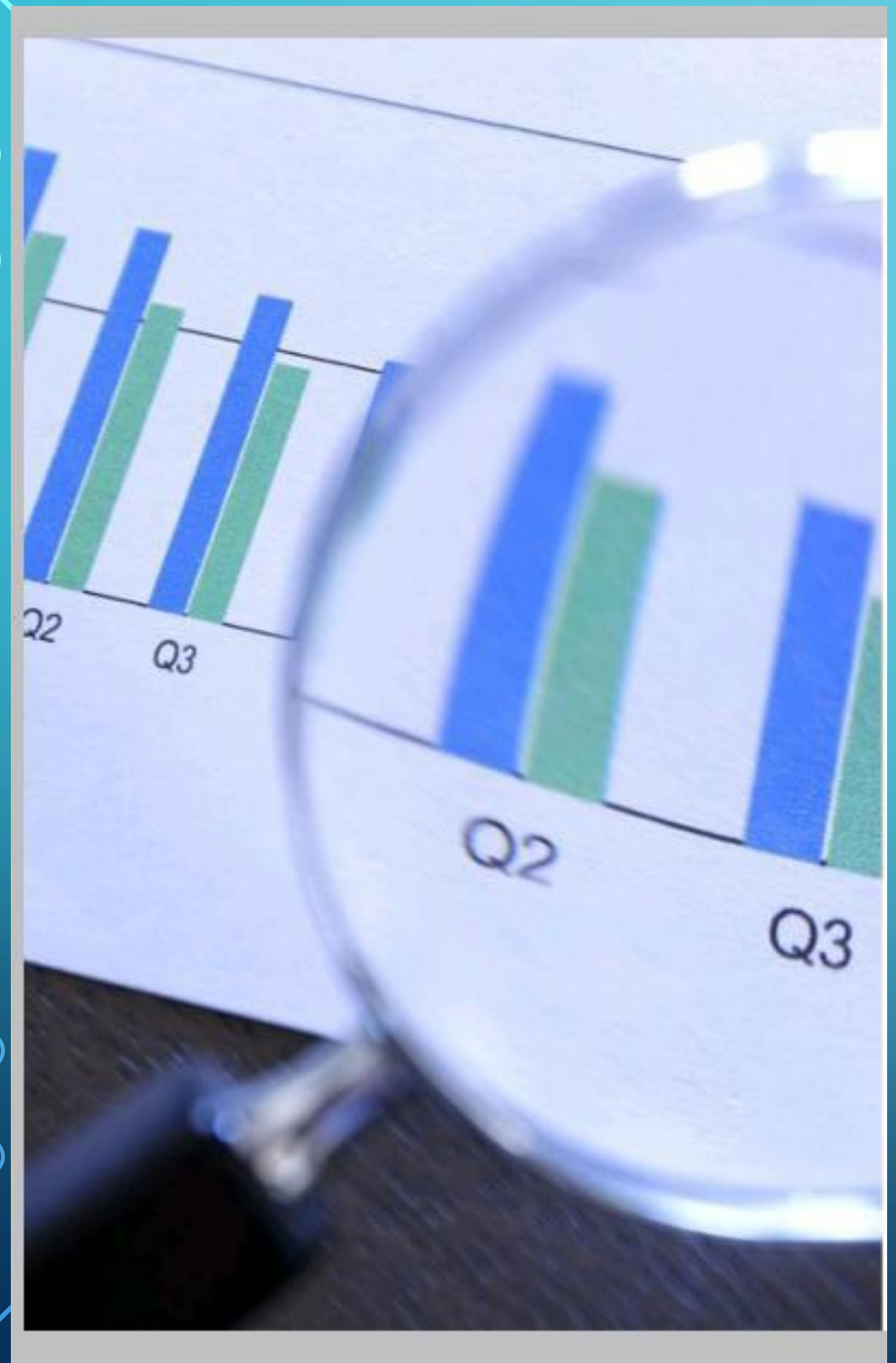
Our Project is successfully deployed to cloud using the following technologies,

- 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