

IRIS News Curator: Intelligent Risk and Incident Sharing – A Proof of Concept

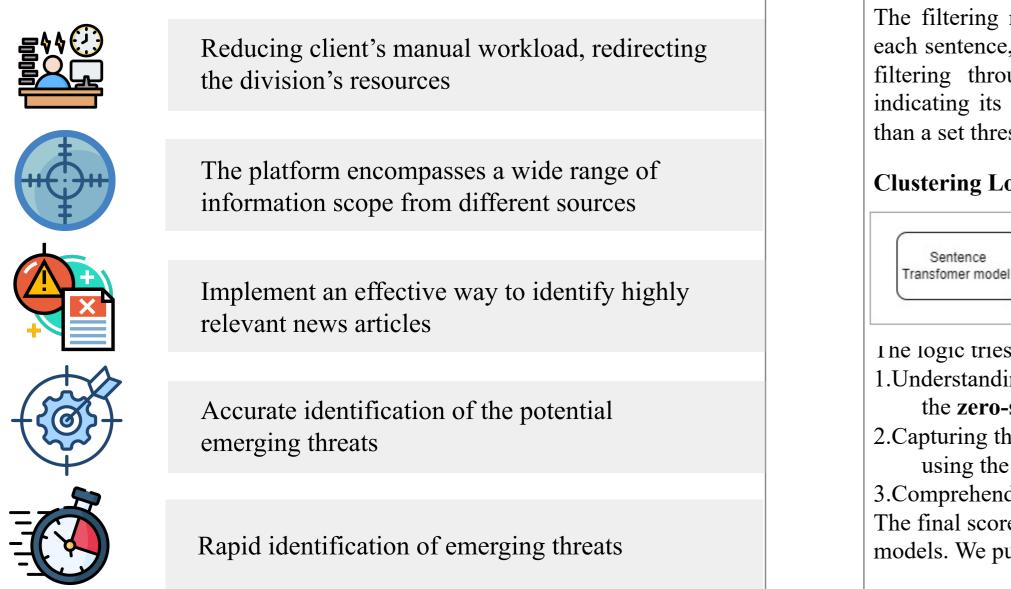
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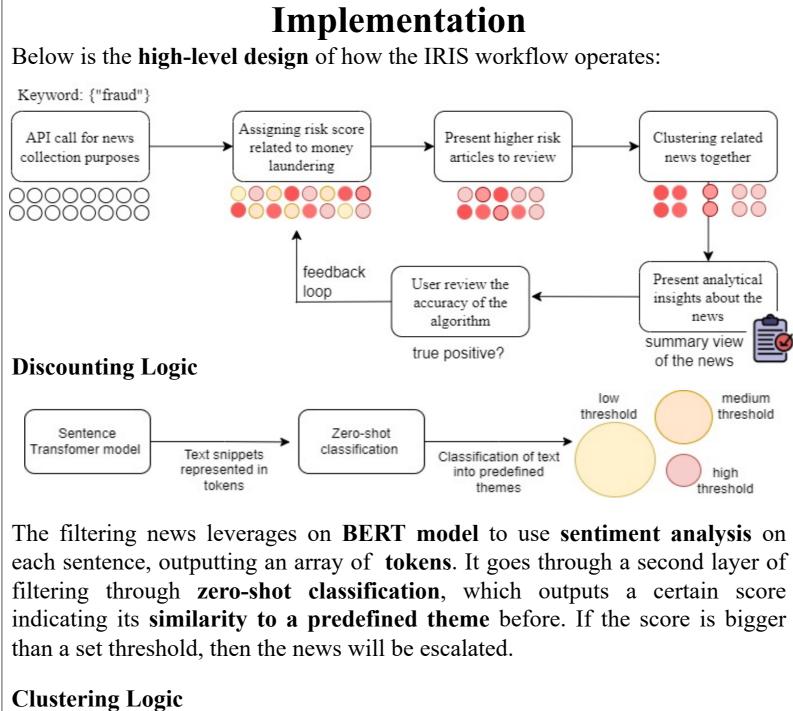
Introduction

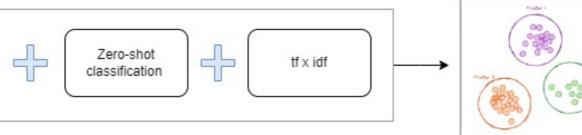
With the emerging trend of **Big Data**, having the power to harness insights from these high-volume, high-veracity data opens opportunities to uncover insights necessary for the industry. Similarly, for the antimoney laundering industry, our client aims to leverage latest news data to identify early warning signs of money laundering or terrorist funding activities. By putting in analytics to these textual data, we can perform supervisory activities to monitor threats and do early prevention by investigating the entities involved.

Hence, with that the solution proposed is a one stop portal, which we call IRIS: Intelligent Risk and Incident Sharing. IRIS acts as a proof of concept to better understand whether the implementation of NLP and LLM can help identify these threats better.

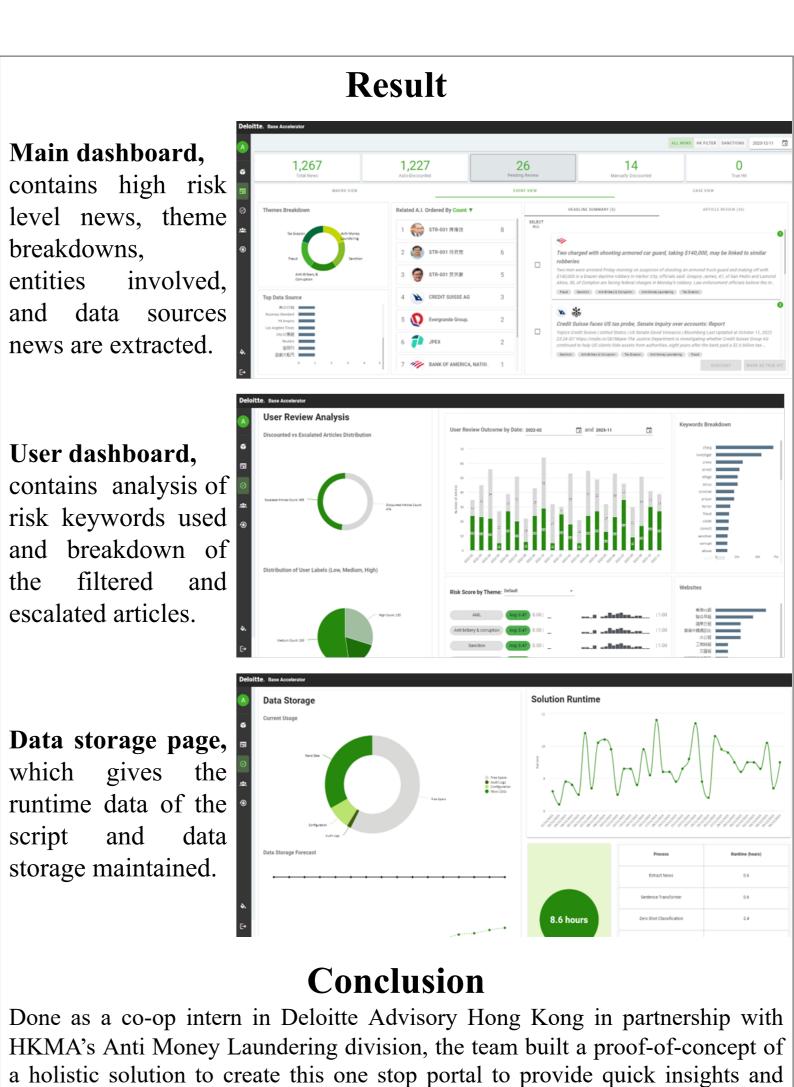
Objectives







- I he logic tries to approach the in 3 level of depths:
- 1.Understanding the **general theme** of the news which is done through the zero-shot classification model.
- 2.Capturing the **contextual meaning** of the sentences which is implemented using the sentence transformer (BERT) model.
- 3.Comprehending the news word by word using tfxidf model.
- The final score is a linear combination of different weightings for these 3 models. We put more emphasis on the **word level** model.



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analytics of current events happening in the financial crime industry. Project will be further developed to be used commercially.