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Email Notifier using Named Entity Extraction

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Abstract: *Email plays an important role in communication due to its flexibility, simplicity, diversified types and low cost of information. Therefore processing a large amount of emails takes a tremendous amount of human power and time. In order to quickly extract the named entities from an email requires a computerized solution. So we had proposed a mechanism to extract named entities from emails. The proposed solution integrates technology like natural language processing and information retrieval. It performs the automatic extraction of named entities from an email, organises the named entities and notifies the user. Named Entity Recognition (NER) is a vital language processing tool for information retrieval from texts like newspapers, blogs and emails. NER performs classification of words and sensing the expression of text from unstructured data. spaCy may be a free, open-source python library for advanced language Processing. It is well known for production use and helps in building the system that performs understanding of text. It helps in information extraction, understanding the systems, and preprocess the text for deep learning..*

Keywords: E-Mail, NLP, Notification, NER, spaCy, iMap, Extraction

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