METADATA GENERATOR FOR SEMANTIC WEB BASED IMAGE RETRIEVAL

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Abstract

Increasing amount of image information is very rapidly. This will cause problems in the process of metadata-based image retrieval. The problem is process of adding metadata from the image. The number of images of course will require a major effort in the process of creating image metadata.

In order to handle these problems, this thesis will be working on the process of generating metadata from an image by exploiting the information carried by the image. Information referred to is information such as news content from the image. Information carried by image is expected can get a keyword as image metadata. NLP (Natural Language Processing) technology is used to create keyword from the news content. Any image that has been processed are expected to have a metadata that is used as a reference in the process of metadata-based image retrieval.

This method is expected to make the metadata development process with ease. So that will simplify the process of image retrieval and produce a relevant retrieval results.

Keywords : Image Retrieval, RDF, Semantic Web, Metadata