What is ElasticSearch?

ElasticSearch is a public search engine which can be included as a library in most programming language. ElasticSearch will provide a full text search. The method in ElasticSearch library will automatically search what user type in in the whole database and return the results match the search. As the introduction from the repository of ElasticSearch-Rails ([https://github.com/elastic/elasticsearch-rails )](https://github.com/elastic/elasticsearch-rails)), ElasticSearch is designed for ActiveModel integration with adapters for ActiveRecord and Mongoid, *Repository pattern* based persistence layer for Ruby objects, *Active Record pattern* based persistence layer for Ruby models, Enumerable-based wrapper for search results, ActiveRecord Relation-based wrapper for returning search results as records, Convenience model methods such as search, mapping, import, etc, Rake tasks for importing the data, Support for Kaminari and WillPaginate pagination ,Integration with Rails' instrumentation framework and Templates for generating example Rails application.

How to use ElasticSearch in rails??

For using ElasticSearch in the program, the installation of ElasticSearch is required. Install the ElasticSearch-rails package from Rubygems: gem install elasticsearch-model elasticsearch-rails. Or install it from source code checkout:

git clone https://github.com/elasticsearch/elasticsearch-rails.git

cd elasticsearch-model

bundle install

rake install

cd elasticsearch-rails

bundle install

rake install

Why ElasticSearch?

ElasticSearch can be used to search all kinds of documents and it has very short processing time. In UPOD, using elastic search can save a lot of time of working. As long as the database is finished and includes ElasticSearch in the controller the search function will be working. Furthermore many corporations use ElasticSearch in programming as well. For example Wikimedia, Facebook, SoundCloud, Github etc.

Therefore ElasticSearch is a popular library in programming in the current time and It can match UPOD perfectly.