Architecture of a Search Engine (Karaoke Version)

Indexing Process

Data Storage

Retrieval Process
Architecture of a Search Engine (Karaoke Version)

Indexing Process

- Acquisition
  - conversion to plain text, and unified encoding

Data Storage

- Document store
- Index

Retrieval Process
Architecture of a Search Engine (Karaoke Version)

Indexing Process

- Acquisition
  - Conversion to plain text, and unified encoding
- Text analysis
  - Index terms, features, classification, meta data

Data Storage

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Retrieval Process

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Architecture of a Search Engine (Karaoke Version)

Indexing Process

- Acqusition: conversion to plain text, and unified encoding
- Text analysis: index terms, features, classification, metadata
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Data Storage

- Document store
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- Stats

Retrieval Process

[Diagram showing the architecture of a search engine with the main processes and components labeled.]
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Data Storage
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Retrieval Process
- User Interface: query

Bulk indexing
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Bulk indexing

Retrieval Process

User Interface

Retrieval

en.wikipedia.org › wiki › Query
Query - Wikipedia
In general, a query is a form of questioning, in a line of inquiry.

www.dictionary.com › browse › query
Query | Dictionary.com
to ask or inquire about: No one queried his presence. to question...
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Data Storage

- Log: queries, clicks, and users
- Document store
- Index
- Stats

Retrieval Process

- User Interface
- Query synthesis
- Query analysis
- Retrieval

User Interface: query
  - query
  - query meaning
  - query definition
  - query string
  - query synonym

Retrieval: en.wikipedia.org › wiki › Query
  - Query - Wikipedia
  - In general, a query is a form of questioning, in a line of inquiry.

User Interface: query
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Data Storage

Log
- queries, clicks, and users

Document store

Index

User Interface

Retrieval Process

Query synthesis

Query analysis
- d

Retrieval
- d_1 7.9
- d_2 6.8
- d_3 6.2

User Interface

Retrieval Process

Query
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- Query - Wikipedia
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Query

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