Chapter 11: Watson Discovery

Learning Bluemix & Cognitive

Bob Dill, IBM Distinguished Engineer, CTO Global Technical Sales

Git Repository: https://github.com/rddill-IBM/ZeroToCognitive

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Chapter 11: Using Watson Discovery

- Retrieve:
  - What will we retrieve?
    - Using pdf documents from the IBM Institute for Business Value
  - Document conversion
    - What's in a document?

- Training
  - Questions … we need 5X as many questions as we have documents
  - Training
  - Getting Ranked results.

Documents

- We can read, index, and search almost anything. Notably:
    - PDF, HTML, Word
- For this exercise, we're using the pdf documents located here:
    - http://www-935.ibm.com/services/us/gbs/thoughtleadership/
- There are 11 documents (as of January 2018) at this site and we'll use all of them.
- Our first step is to create a collection and update the configuration.
- Then we'll need to add the documents to our collection.

Watson Retrieve Collections

- First, create a Watson Discovery Service instance and get your credentials
    - If you created one for Chapter 8, Watson Discovery News, we will just use the same service.

- Much of what we'll do will be through the Discovery web interface.

- When we're done, we'll create a browser interface based on the Discovery News work we did in Chapter 8

The Plan: 30 minute Chapters with an hour or two of practice

1. The Story, Architecture for this app
2. Setting up Bluemix
3. Building your first Watson App   (Watson Speech to Text)
4. Getting Watson to talk back   (Watson Text to Speech)
5. Understanding Classifiers   (Watson NLC)
6. Creating a custom dialog with Watson   (custom Q&A, session management)
7. Authentication   (Introducing custom authentication)
8. Watson Discovery News   (Watson Discovery News)
9. Visual Recognition and Images   (Watson Visual Recognition)
10. Watson Conversations   (Watson Conversations)
11. Watson Discovery   (Watson Discovery)

Chapter 12: Getting started on my first client prototype

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