

# Chapter 2: Setting up your BlueMix account

Learning Bluemix & Cognitive

Bob Dill, IBM Distinguished Engineer, CTO Global Technical Sales

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

# Chapter 2: Creating a Bluemix account

- We're going to do four things in this tutorial:
  - Create your Bluemix account
  - Install Git and GitHub Desktop on your workstation
  - Create your first GitHub Repository
  - Tell Cloud Foundry where your Bluemix application will go
- Let's get started!



# Chapter 2: Creating a Bluemix account

- Log in here:
  - <https://console.ng.bluemix.net/registration/>
- Ask Questions on Stack Overflow:
  - <http://stackoverflow.com>
- Set up your environment:
  - Define your organization
  - Make a 'space'
  - NodeJS
  - Watson Speech to Text
  - Watson Text to Speech
- Install the Cloud Foundry CLI (Command Line Repository) on your workstation



# Chapter 2: Setting up your workstation to use git

- Install Git on your workstation:
  - Git: <https://git-scm.com/>
  - Git Installers: <https://git-scm.com/downloads>
  - Git Documentation here: <https://git-scm.com/doc>
- Install GitHub Desktop on your workstation (Mac and Windows only):
  - GitHub Desktop: <https://desktop.github.com/>
- Make your own Git repository: <https://github.ibm.com>



## Chapter 2: Linking your laptop to Bluemix

- Set up Cloud Foundry to 'target' your Bluemix account.
  - cf login
  - cf target -o 'your org name' -s 'your space name'
- Understanding essential Git and Cloud Foundry commands
  - git status, add, commit -m, push (fork, pull, branch, merge)
  - cf login, cf target, cf target -o 'your org name' -s 'your space name'
  - cf push "application name"
  - cf push "application name" -b "custom build pack git repository"



# 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                       | (puts C2 thru 6 together)          |
| 8. Alchemy News                         | (Watson Alchemy)                   |
| 9. Visual Recognition and Images        | (Watson Visual Recognition)        |
| 10. Watson Conversations                | (Watson Conversations)             |
| 11. Rank & Retrieve                     | (Watson Alchemy + Rank & Retrieve) |



# Chapter 3: Creating your first Watson app

Learning Bluemix & Cognitive

Bob Dill, IBM Distinguished Engineer, CTO Global Technical Sales

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