

Chapter 2: Setting up your BlueMix account

Learning Bluemix & Cognitive

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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 Dedicated 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

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|--|---|
| 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) |
| 12. Getting started on my first client prototype | Design Thinking, Stories, Architecture, Keeping it simple |



Chapter 3: Creating your first Watson app

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