

How to deploy and run Mailbox Analyzer

//Install the cf CLI from here:

<https://docs.cloudfoundry.org/cf-cli/install-go-cli.html>

//Connect to Bluemix (US)

```
cf l -a https://api.ng.bluemix.net -u <userid> -p <password> --skip-ssl-validation  
-s <spave> -o <org which is usually the same as userid>
```

//or

//Connect to Bluemix (GB)

```
cf l -a https://api.eu-gb.bluemix.net -u <userid> -p <password> --skip-ssl-  
validation -s <spave> -o <org which is usually the same as userid>
```

//or

//Connect to Bluemix (DE)

```
cf l -a https://api.eu-de.bluemix.net -u <userid> -p <password> --skip-ssl-  
validation -s <spave> -o <org which is usually the same as userid>
```

//Check that all services (Tone Analyzer, Natural Language Understanding and Discovery) are created

```
cf s
```

//If needed connect to a Bluemix elsewhere and check that Visual Recognition is created

```
cf s
```

//Download code from here:

<https://github.com/baudelaine/MailboxAnalyzer/archive/master.zip>

//and unzip in current directory

//Or

//Install Git command line from here: <https://git-scm.com/downloads>

//And run git clone to get the code

```
git clone https://github.com/baudelaine/MailboxAnalyzer.git
```

//Change to code directory

```
cd /MailboxAnalyzer
```

//If not already done, create a mybluemix.net subdomain in your org

//First list orgs to get yours

```
cf orgs
```

//Then create the subdomain

```
//cf create-domain <org> <subdomain>
```

```
cf create-domain <org> <whatever>.mybluemix.net
```

//or if in GB

```
cf create-domain <org> <whatever>.eu-gb.mybluemix.net
```

//or if in DE

```
cf create-domain <org> <whatever>.eu-de.mybluemix.net
```

//check domain exists

```
cf domains
```

//Before deploying the application you need to update the manifest.yml accordingly

```
/*
applications:
- host: <appName>
  disk: 256M
  name: <appName>
  path: ./WebContent
  domain: <whatever>.<|eu-gb|eu-de>.mybluemix.net
  mem: 256M
  instances: 1
  services:
  - dsc0
  - ta0
  - nlu0
*/
```

//For those who create Discovery collection with the Web GUI
//Discovery environment name will not be set to 'env0' but maybe
//to something like 'byod'
//To retrieve this environment name

//Install curl available here:
//<https://curl.haxx.se/download.html>

// Display Discovery service credential
cf service-key dsc0 user0

//Set variable below with value retrieve above and get Discovery environment
curl -u \${username}:\${password} "\${url}/v1/environments?version=2017-09-01"

//Now update WebContent/res/conf.properties accordingly
//Check all values between brackets and ensure that both value to access Visual
//Recognition service - which may run on a remote Bluemix and which is not bound to
//the application - VR_ENDPOINT and VR_API_KEY are both set correctly

```
/*
VCAP_SERVICES=
CLEAN_DCOLL_AT_STARTUP=true
NLU_NAME=natural-language-understanding
NLU_VERSION=/v1/analyze?version=2017-02-27
TA_NAME=tone_analyzer
TA_VERSION=/v3/tone?version=2016-05-19
D_NAME=discovery
D_VERSION=/v1/environments?version=2017-09-01
D_ENV_NAME=${environment_name}
D_COLL_NAME=coll0
VR_NAME=watson_vision_combined
VR_VERSION=/v3/classify?version=2016-05-20
VR_ENDPOINT=${url}
VR_API_KEY=${api_key}
*/
```

//Now we are ready to deploy the application

```
cf p
```

```
//Once staging has completed check that all services are bound:
```

```
cf s
```

```
//Check application is running:
```

```
cf a
```

```
//Copy urls columns content. It should be <appName>.<whatever>.<|eu-gb|eu-de>.mybluemix.net
```

```
//Paste it in a Web browser and check application is running.
```