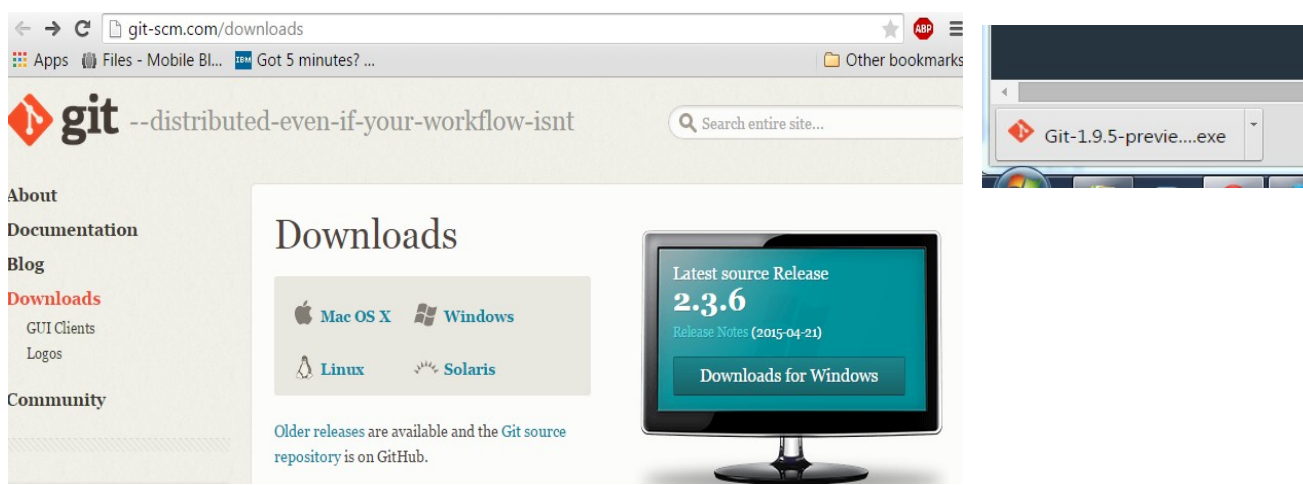


Objective : Build a Application running in Bluemix using AlchemyAPI

Pre-requisites :

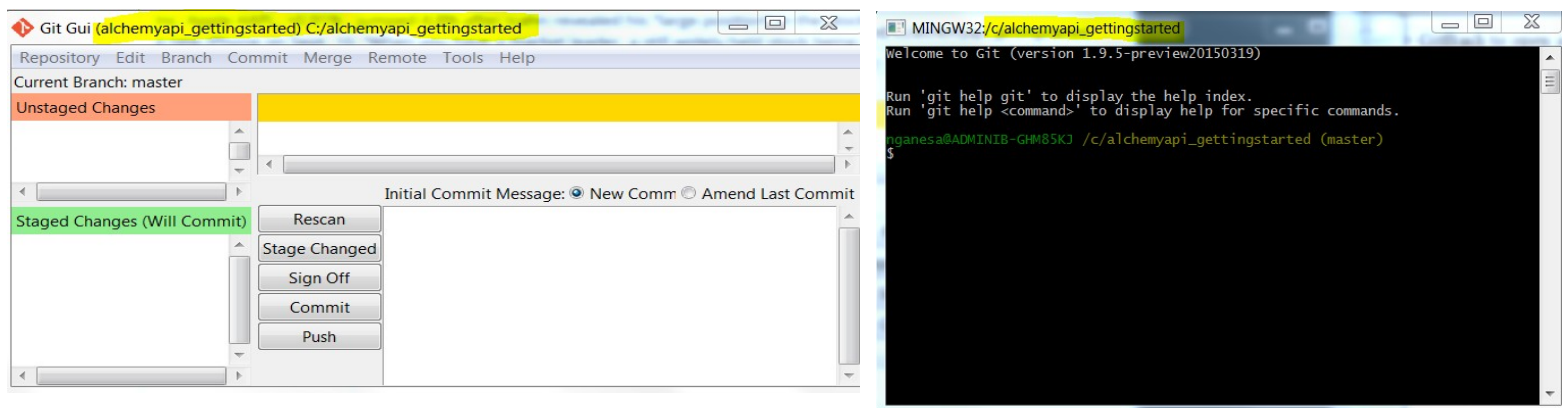
Step 1: Register for Alchemy API Key at <http://www.alchemyapi.com/api/register.html>.
Check your email address for a key from AlchemyAPI

Step 2: Download GIT Bash from <http://git-scm.com/downloads>

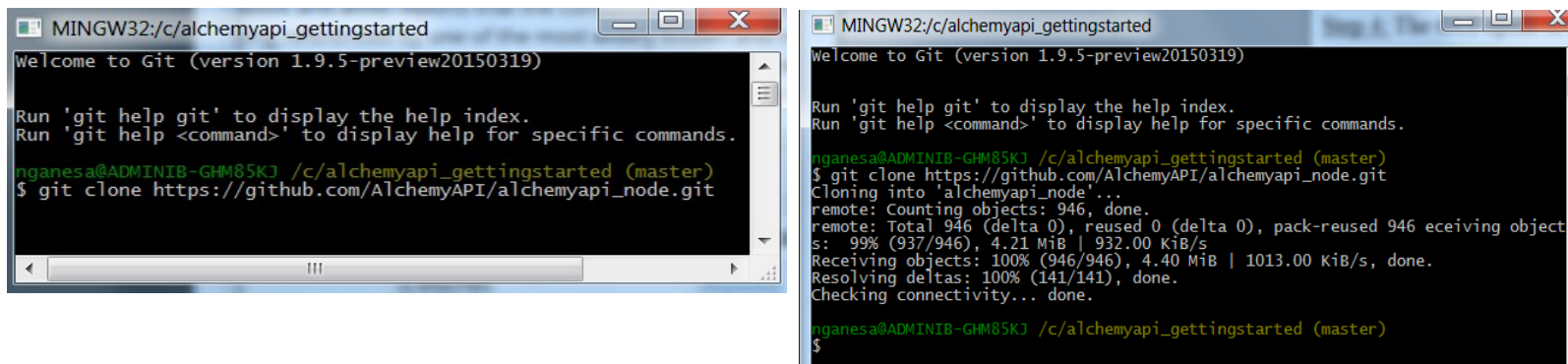


Step 3: Open GIT GUI , create a new repository and enter a name for the new repository and click “Create”.

Step 4: Click on Repository-> GitBash to open a command prompt.



Step 5: Type the following command: `git clone https://github.com/AlchemyAPI/alchemyapi_node.git` to clone the repository.



Step 6: Change Directory to the folder and then perform an npm install. After the installation, type in your key to configure the SDK.

```
MINGW32/c/alchemypapi_gettingstarted/alchemypapi_node
nganesa@ADMINIB-GHM85KJ /c/alchemypapi_gettingstarted (master)
$ cd alchemypapi_node/
nganesa@ADMINIB-GHM85KJ /c/alchemypapi_gettingstarted/alchemypapi_node (master)
$ npm install
```

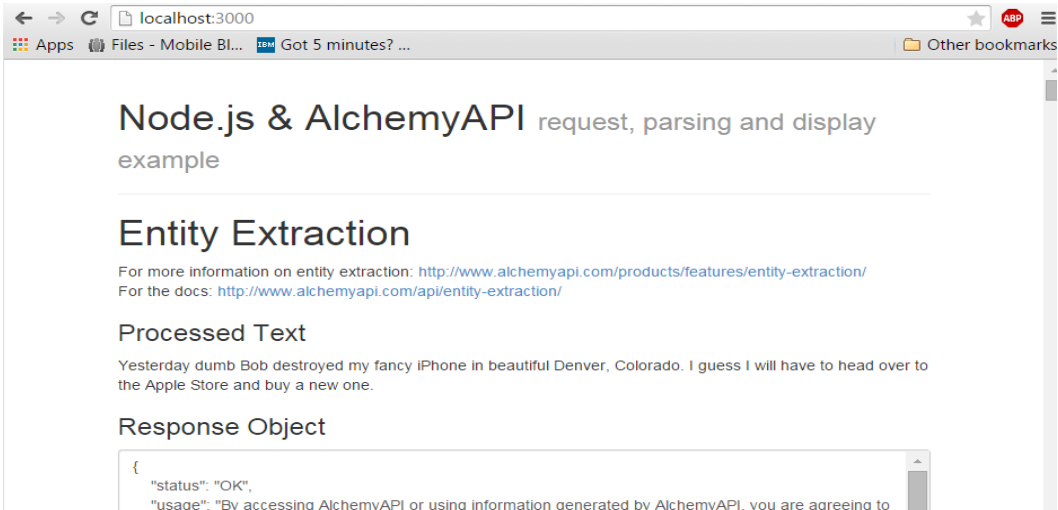
```
nganesa@ADMINIB-GHM85KJ /c/alchemypapi_gettingstarted/alchemypapi_node (master)
$ node alchemypapi.js
```

Step 7: You should see a message informing you that you are ready to use AlchemyAPI. Execute app.js by typing node app.js

```
api_key.txt
You are now ready to start using AlchemyAPI. For an example, run: node app.js
nganesa@ADMINIB-GHM85KJ /c/alchemypapi_gettingstarted/alchemypapi_node (master)
$
```

```
nganesa@ADMINIB-GHM85KJ /c/alchemypapi_gettingstarted/alchemypapi_node (master)
$ node app.js
Express server listening on port 3000
To view the example, point your favorite browser to: localhost:3000
GET / 200 9446ms - 76kb
GET / 200 7480ms - 76.11kb
```

Step 8: Open the browser to <http://localhost:3000> to see the results which should look like the following:



Step 9: Download CLI from <https://github.com/cloudfoundry/cli/releases>

Step 10: Open cmd from your start windows prompt and cd to the path where the folder is present. Change directory to alchemypapi_node.

```
Administrator: C:\windows\system32\cmd.exe
C:\>cd alchemypapi_gettingstarted
C:\alchemypapi_gettingstarted>cd alchemypapi_node
C:\alchemypapi_gettingstarted\alchemypapi_node>
```

Step 11: Set the api to point to IBM Bluemix by executing the command cf api <https://api.ng.bluemix.net> following which, login with your IBM ID and password. Targeted org will be displayed if you have multiple organizations (else ignore)

```
C:\alchemypapi_gettingstarted\alchemypapi_node>cf api https://api.ng.bluemix.net
OK
Setting api endpoint to https://api.ng.bluemix.net...

API endpoint: https://api.ng.bluemix.net (API version: 2.19.0)
User: nganesa@us.ibm.com
Org: nganesa@us.ibm.com
Space: NeerSample
C:\alchemypapi_gettingstarted\alchemypapi_node>
```

```
C:\alchemypapi_gettingstarted\alchemypapi_node>cf login
API endpoint: https://api.ng.bluemix.net
Email> [redacted]
Password> [redacted]
API endpoint: https://api.ng.bluemix.net (API version: 2.19.0)
User: [redacted]
Org: [redacted]
Space: [redacted]
C:\alchemypapi_gettingstarted\alchemypapi_node>
```

Step 12: Push this app onto Bluemix by executing the command `cf push <application name>`

```
C:\alchemyapi_gettingstarted\alchemyapi_node>cf push alchemyapi_getting_started
Creating app alchemyapi_getting_started in org nganesa@us.ibm.com / space NeerSample as nganesa@us.ibm.com...
OK

Creating route alchemyapi-getting-started.mybluemix.net...
OK

Binding alchemyapi-getting-started.mybluemix.net to alchemyapi_getting_started...
OK

Uploading alchemyapi_getting_started...

App alchemyapi_getting_started was started using this command './vendor/initial_startup.rb'

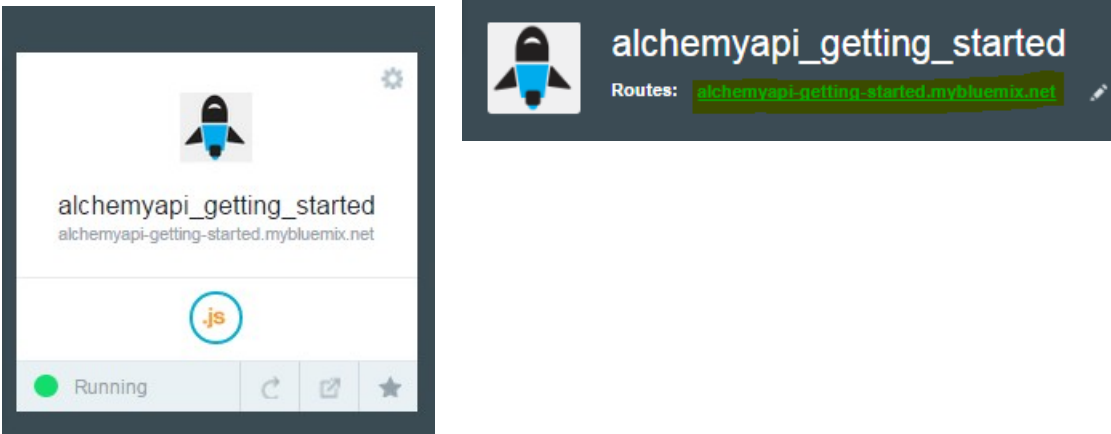
Showing health and status for app alchemyapi_getting_started in org nganesa@us.ibm.com / space NeerSample as nganesa@us.ibm.com...
OK

requested state: started
instances: 1/1
usage: 1G x 1 instances
urls: alchemyapi-getting-started.mybluemix.net
last uploaded: Mon Apr 27 21:05:12 +0000 2015

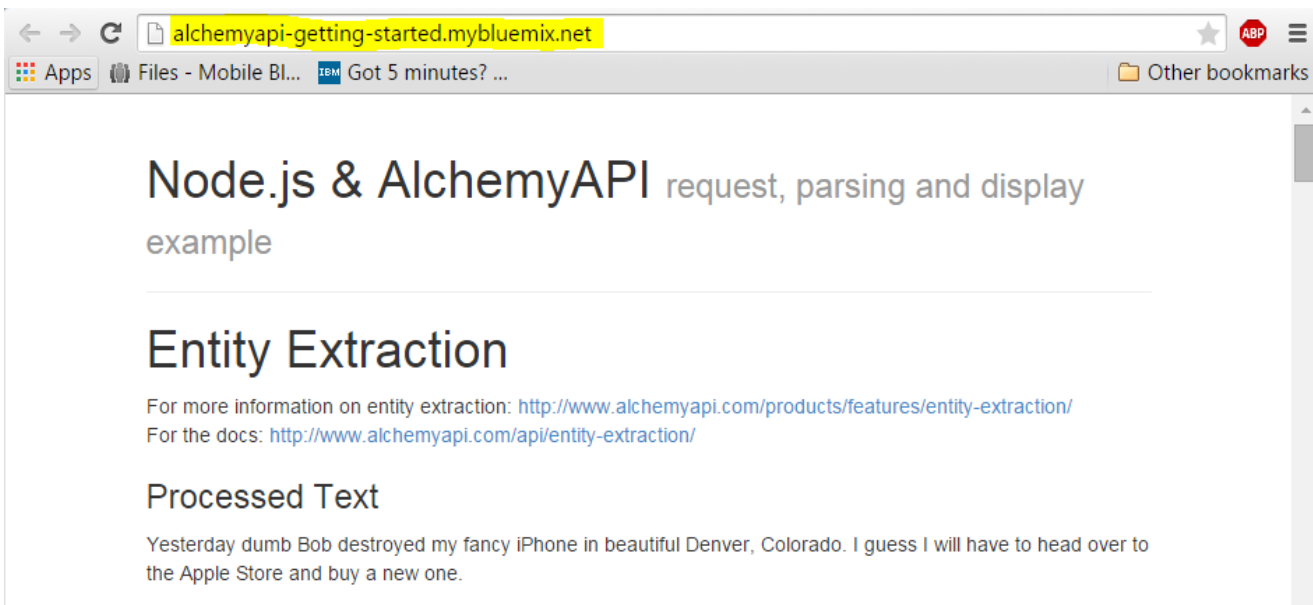
  state   since                    cpu    memory        disk        details
#0  running  2015-04-27 02:05:42 PM   0.0%   47.2M of 1G   42.6M of 1G

C:\alchemyapi_gettingstarted\alchemyapi_node>
```

Step 13: The app is now running in Bluemix. Open it on the dashboard and click on routes to open the page on a new tab in the browser.



Step 14: Application opens in the browser.



Step 15: To make changes in the app, make changes to the files in the folder, on your local machine and save it. 'cf push' the app again on bluemix. Follow steps 10-14 again !