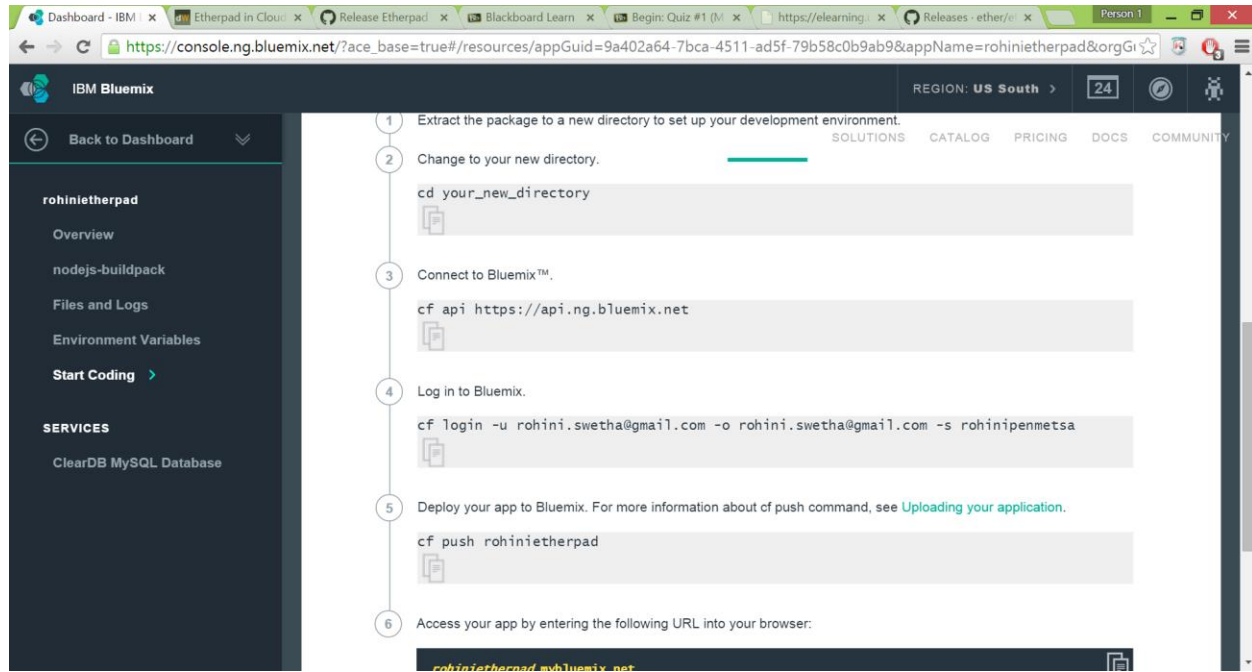
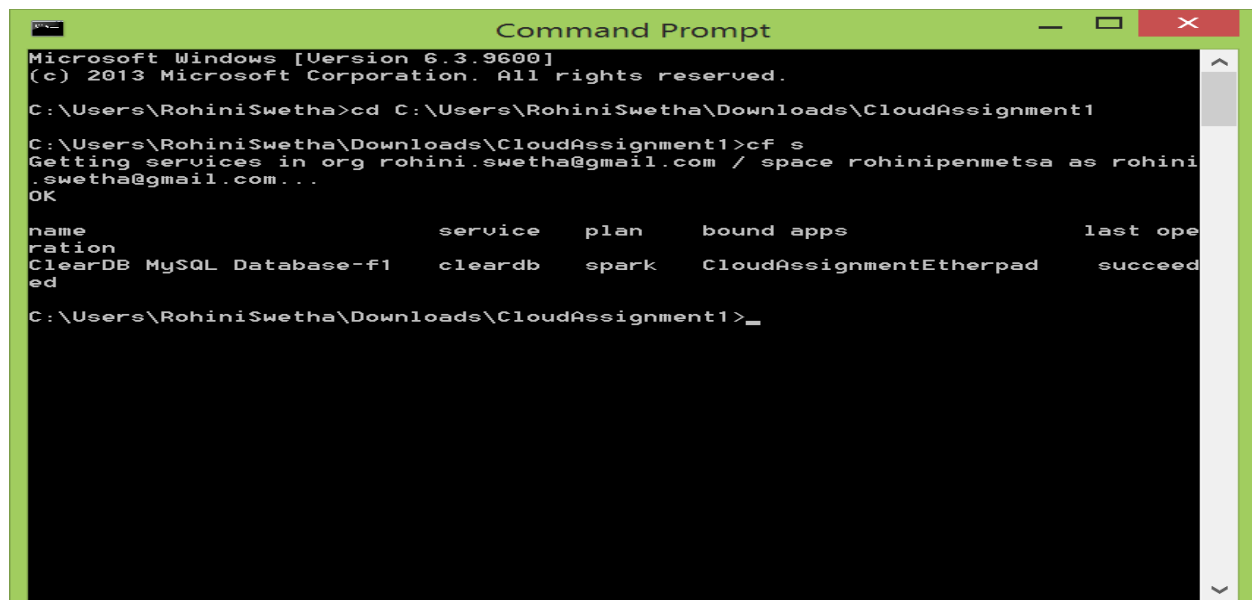


Cloud Computing Lab Project #1:

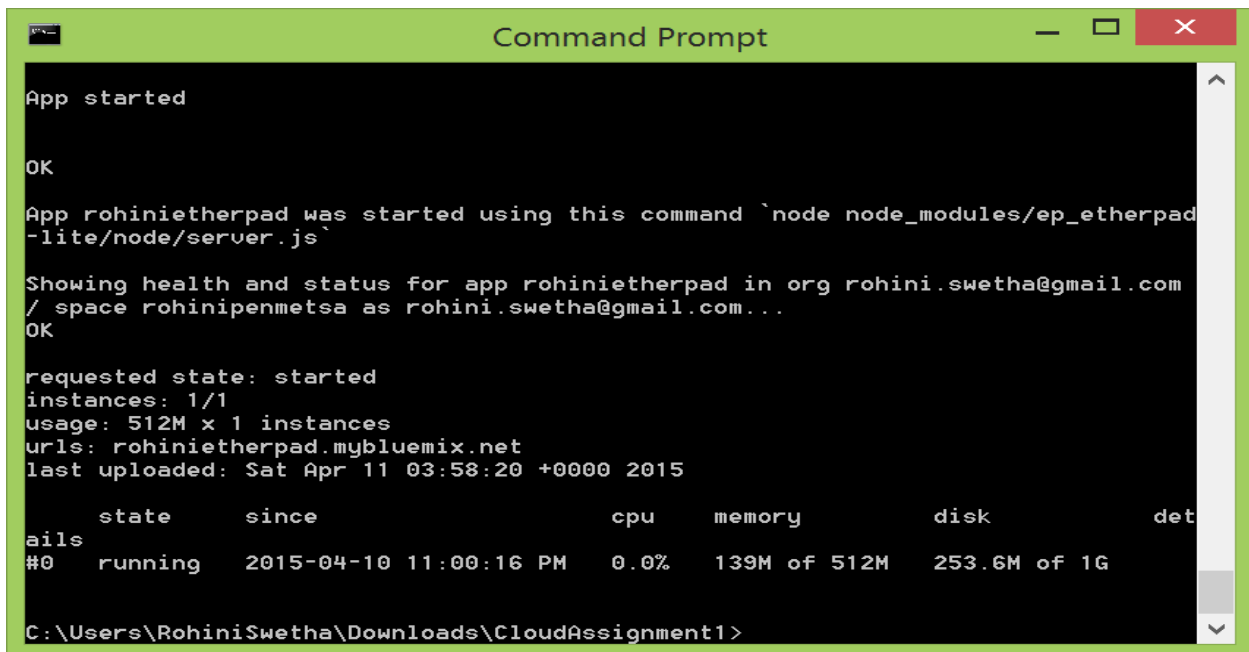
Open the command prompt in the local machine. Download the etherpad zip folder from git. Extract all files from the folder to a different folder in the local machine. Change the path of the cmd to the folder to which all the files are extracted. Check if all the files are present using dir command.



Use cf s to share the space which you have registered.



Use the `cf domains` command to view all the domains under your name. Use the command – `cf push rohinietherpad -m 512M -b https://github.com/cloudfoundry/nodejs-buildpack.git`



```
App started

OK

App rohinietherpad was started using this command `node node_modules/ep_etherpad-lite/node/server.js`

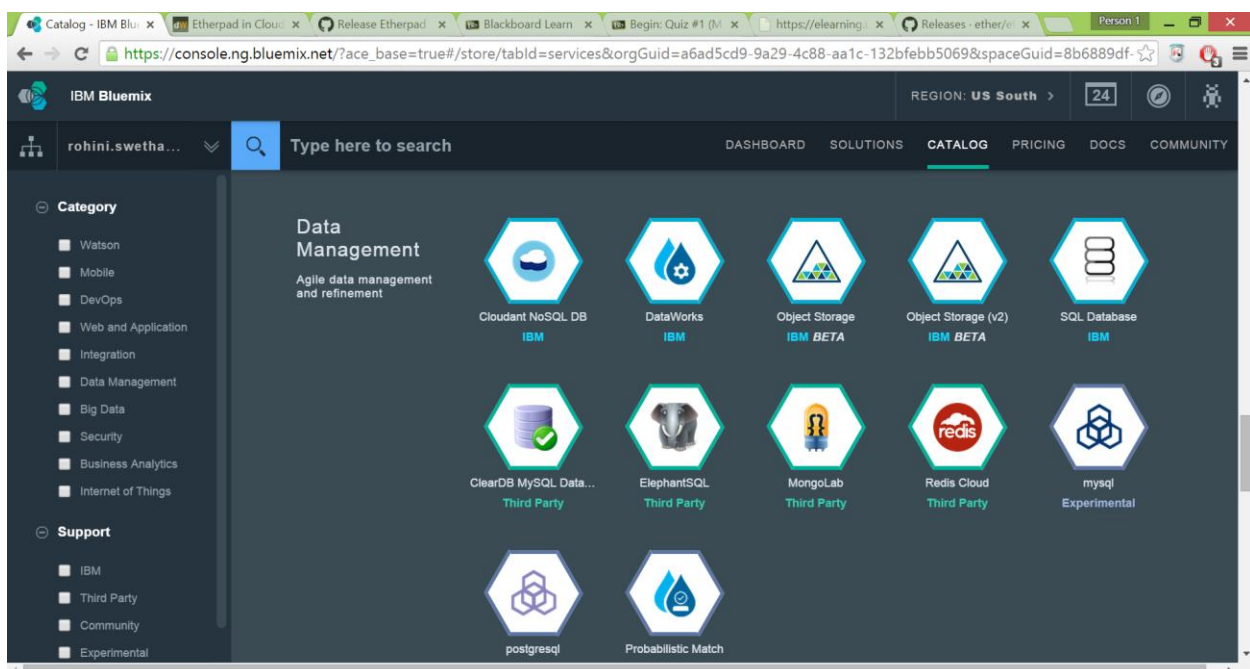
Showing health and status for app rohinietherpad in org rohini.swetha@gmail.com / space rohinipenmetsa as rohini.swetha@gmail.com...
OK

requested state: started
instances: 1/1
usage: 512M x 1 instances
urls: rohinietherpad.mybluemix.net
last uploaded: Sat Apr 11 03:58:20 +0000 2015

   state   since                cpu    memory       disk        det
#0  running  2015-04-10 11:00:16 PM  0.0%    139M of 512M  253.6M of 1G

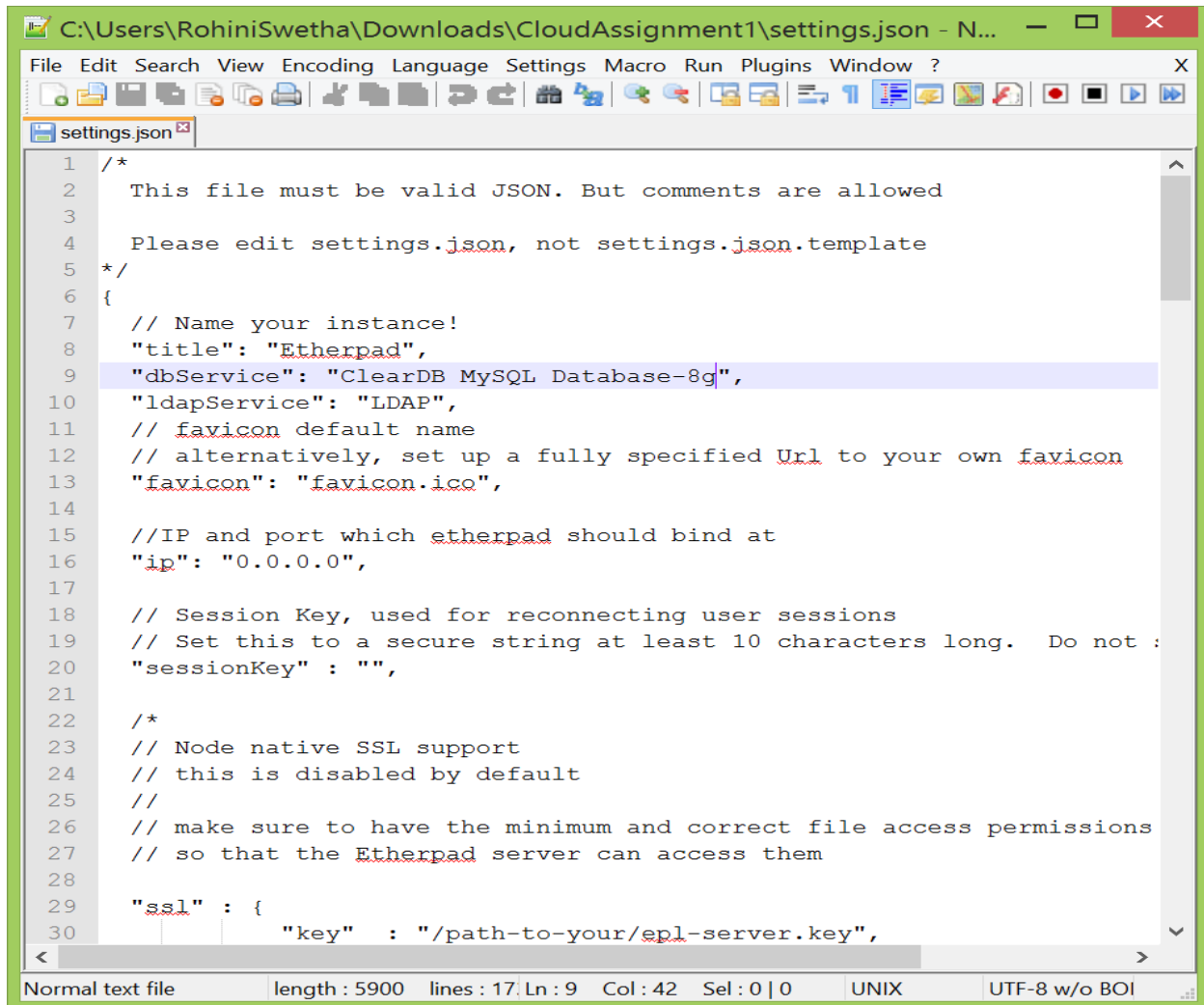
C:\Users\RohiniSwetha\Downloads\CloudAssignment1>
```

A service is to be added to the application. Click on add a service and scroll down to find the data management area which has the required database for the app which ClearDB MySQL Database. Select it. A dialogue box with auto filled fields is shown. Click create. You will be asked to restage the application. Click yes for it.



To bind the database with the application, open the settings.json file and change the value as shown below:

The dbService value needs to be changed to the value which is there in the configurations part of the database in the Bluemix UI.



```
1  /*
2    This file must be valid JSON. But comments are allowed
3
4    Please edit settings.json, not settings.json.template
5  */
6  {
7    // Name your instance!
8    "title": "Etherpad",
9    "dbService": "ClearDB MySQL Database-8g",
10   "ldapService": "LDAP",
11   // favicon default name
12   // alternatively, set up a fully specified Url to your own favicon
13   "favicon": "favicon.ico",
14
15   //IP and port which etherpad should bind at
16   "ip": "0.0.0.0",
17
18   // Session Key, used for reconnecting user sessions
19   // Set this to a secure string at least 10 characters long. Do not :
20   "sessionKey" : "",
21
22   /*
23   // Node native SSL support
24   // this is disabled by default
25   //
26   // make sure to have the minimum and correct file access permissions
27   // so that the Etherpad server can access them
28
29   "ssl" : {
30     "key" : "/path-to-your/epl-server.key",
```

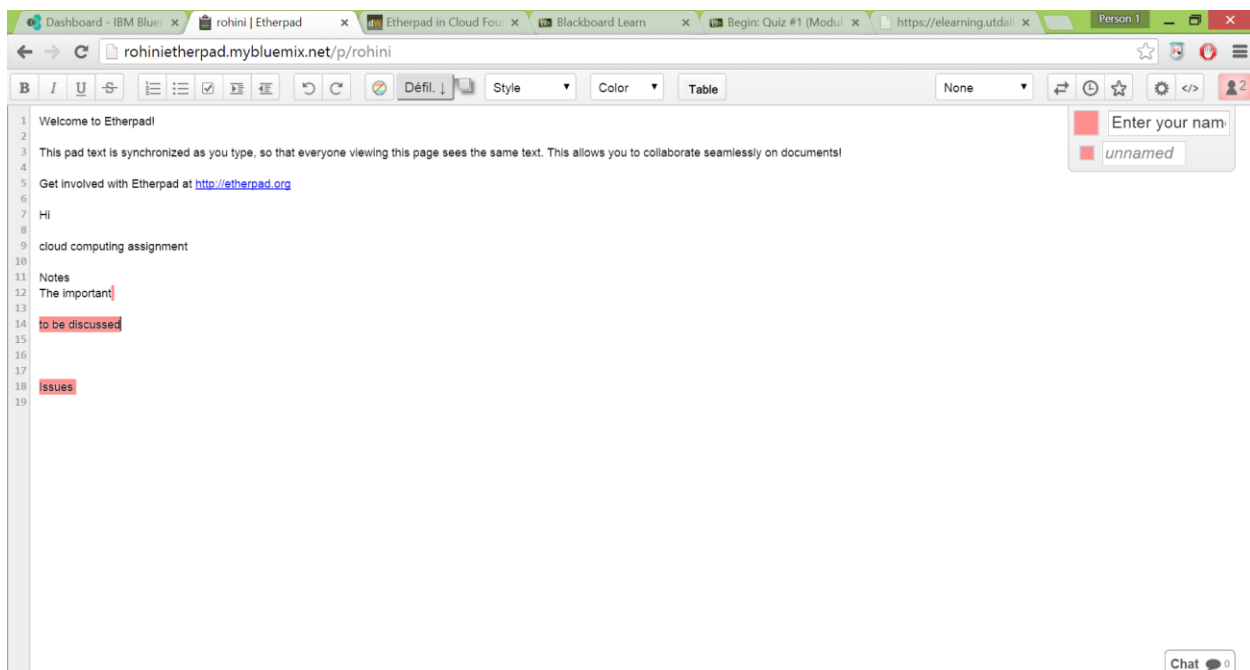
Now, since we made changes, the application package has to be staged and deployed. The command specified above has to be used again to do so.

```
Command Prompt
911 error There is likely additional logging output above.
912 verbose exit [ 1, true ]
npm WARN package.json ep_etherpad-lite@1.4.1-cf No bin file found at ./no
de/server.js
npm WARN package.json async-stacktrace@0.0.2 No repository field.
npm WARN package.json channels@0.0.4 No repository field.
npm WARN package.json ejs@0.6.1 No repository field.
npm WARN package.json ep_autoscroll@0.0.6 No repository field.
npm WARN package.json ep_colors@0.0.3 No repository field.
npm WARN package.json formidable@1.0.9 No description
npm WARN package.json formidable@1.0.9 No repository field.
npm WARN package.json jsdom-nocontextify@0.2.10 'repositories' (plural)
Not supported. Please pick one as the 'repository' field
npm WARN package.json npm@1.4.28 Non-dependency in bundleDependencies: in
herits
npm WARN package.json tinycon@0.0.1 No repository field.
----> Cleaning up node-gyp and npm artifacts
----> Building runtime environment
0 of 1 instances running, 1 starting
0 of 1 instances running, 1 starting
0 of 1 instances running, 1 starting
1 of 1 instances running
App started
OK
App rohinietherpad was started using this command `node node_modules/ep_etherpad
-lite/node/server.js`
Showing health and status for app rohinietherpad in org rohini.swetha@gmail.com
/ space rohinipenmetasa as rohini.swetha@gmail.com...
OK
Requested state: started
instances: 1/1
usage: 512M x 1 instances
urls: rohinietherpad.mybluemix.net
last updated: Sat Apr 11 04:22:40 +0000 2015

ails state since cpu memory disk det
#0 running 2015-04-10 11:24:42 PM 0.0% 140M of 512M 253.6M of 1G

C:\Users\RohiniSwetha\Downloads\CloudAssignment1>
```

Using the url specified in the bluemix url, we can access the application.



Rohini | Etherpad

Person 1

← → ↻ rohinietherpad.mybluemix.net/p/Rohini

B I U ↻ ☰ ☷ ☑ ☒ ☓ ↺ ↻ 🎨 Défil. ↓ 📄 Style ▼ Color ▼ Table ▼ None ▼ ↻ ⌚ ☆ ⚙️ </> 👤

1 Welcome to Etherpad!

2

3 This pad text is synchronized as you type, so that everyone viewing this page sees the same text. This allows you to collaborate seamlessly on documents!

4

5 Get Involved with Etherpad at <http://etherpad.org>

6

7 Hi

8

9 cloud computing assignment

10

11 Notes

12 The important

13

14 to be discussed

15

16

17 Issues

18

19

Chat

unnamed: hi 11:25

Rohini | Etherpad x Dashboard - IBM Bluemix x Person 1

rohinietherpad.mybluemix.net/p/Rohini

B I U Défil. Style Color Table None 2

1 Welcome to Etherpad!

2

3 This pad text is synchronized as you type, so that everyone viewing this page sees the same text. This allows you to collaborate seamlessly on documents!

4

5 Get Involved with Etherpad at <http://etherpad.org>

6

7 Hi

8

9 cloud computing assignment

10

11 Notes

12 The important

13

14 to be discussed

15

16

17

18 Issues

19 465456

20 465

21

22 45645

23 46545

24 465

25

Chat 1