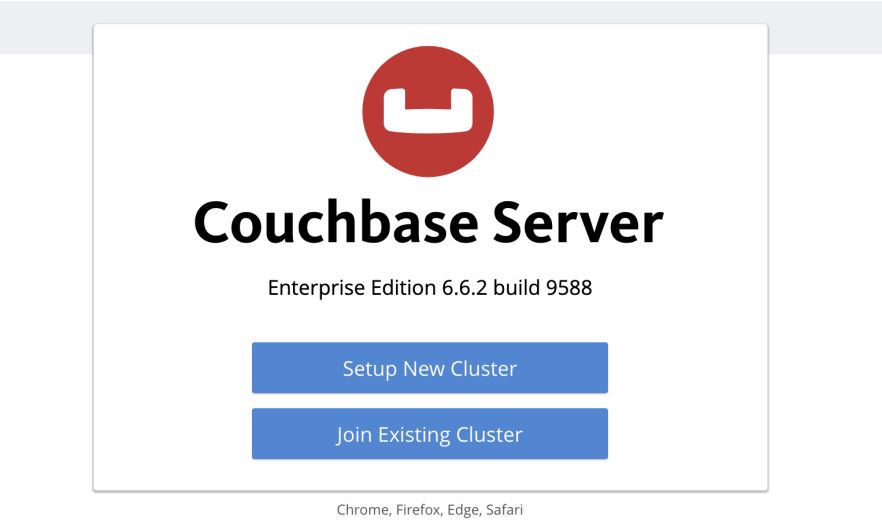
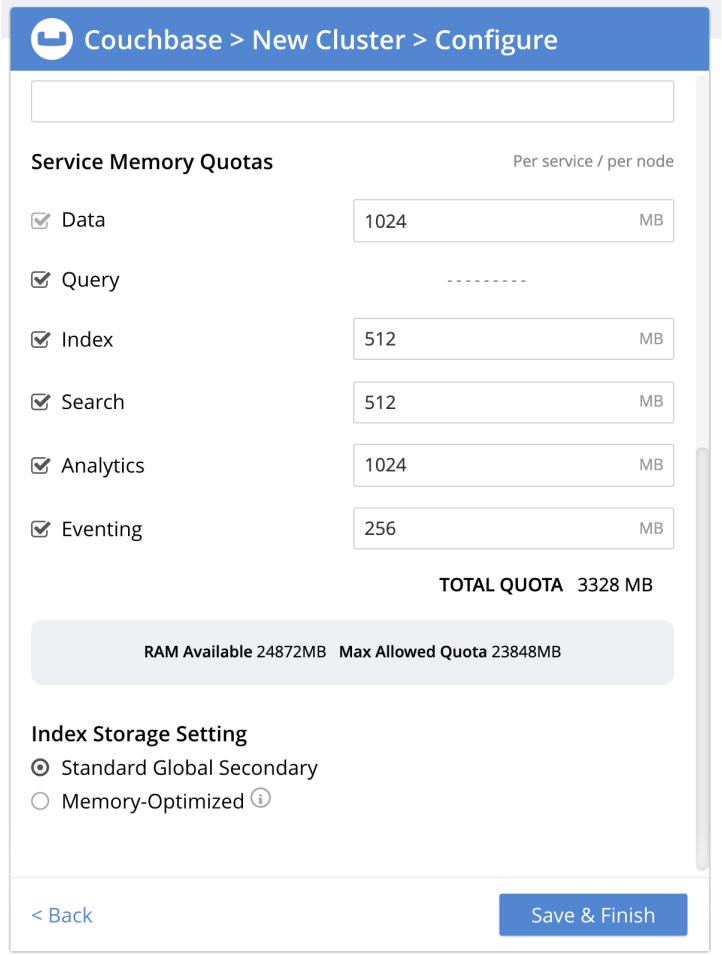
Homework Assignment #4 Setup

(Couchbase)

1. Download the Enterprise version of Couchbase Server 6.6.2. When prompted, you can enter “UC Irvine” for company and “Student” as job title: https://www.couchbase.com/downloads
2. Start the Couchbase app. If all goes well, you should be greeted by a web UI with two options: “Setup New Cluster” and “Join Existing Cluster”.

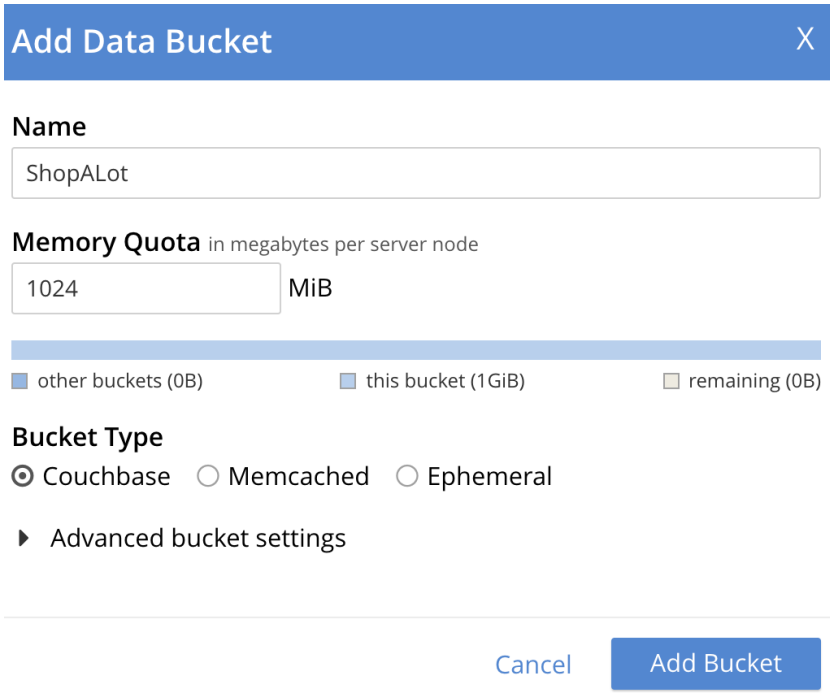


3. Click “Setup New Cluster”.
4. Enter a name for your cluster, and create an Administrator account for yourself. Click “Next: Accept Terms”.
5. Check the “I accept” box and click “Configure Disk, Memory, Services”. ***(DO NOT CLICK “Finish With Defaults”!)***
6. Use the following configuration for your new cluster. Leave every other setting at its default value. (You may need to scroll down to get to these settings.)



If you get an error message complaining about insufficient memory (and you are sure that your machine has more than the allotted total quota here - hopefully so!), you may need to restart your computer and start from step 2 again.

7. You should now be greeted by the Couchbase dashboard. Unfortunately, you have nowhere to put your data yet! (Note: If you would like to play with any of the sample buckets that come with the system, like “beer-sample”, you can grab it by clicking on the “Sample Buckets” link near the top right of the dashboard before proceeding.) To make a place for your ShopALot data to live, go to “Buckets” over on the left menu and then click “ADD BUCKET” on the top right. Give this to-be-created bucket the name “ShopALot”, leave all of the settings as default, and click on “Add Bucket”.



You will get a warning stating that "At least two servers with the data service are required to provide replication." Ignore this. (It's true of course… :-))

8. Download the (cleaned) ShopALot JSON files from the following link:

https://drive.google.com/drive/folders/1m_waI2AxunPBWhBiwszmiHeghLPbVjxK?usp=sharing

9. You will now use `cbimport` to import the JSON files into the bucket you created. Navigate to the location of your Couchbase CLI tools. Use the link below to determine where these tools are for your specific OS.

https://docs.couchbase.com/server/current/cli/cli-intro.html
(You can also add this location to your PATH if you would like easier access.)

10. Almost done! You must now run the commands below from the Couchbase CLI tool folder. Replace the "<>" items with your own (and do not include the <>! :-)). The username and password should be the admin credentials that you created in step 4.

```
./cbimport json -c couchbase://127.0.0.1 --bucket ShopALot
--format lines -g key::#UUID# -u <username> -p <password> -d
```

```
file://<path to orders.json>

./cbimport json -c couchbase://127.0.0.1 --bucket ShopALot
--format lines -g key::#UUID# -u <username> -p <password> -d
file://<path to own.json>

./cbimport json -c couchbase://127.0.0.1 --bucket ShopALot \
    --format lines -g key::#UUID# -u <username> \
    -p <password> -d file://<path to products.json>

./cbimport json -c couchbase://127.0.0.1 --bucket ShopALot \
    --format lines -g key::#UUID# -u <username> \
    -p <password> -d file://<path to stockedby.json>

./cbimport json -c couchbase://127.0.0.1 --bucket ShopALot
--format lines -g key::#UUID# -u <username> -p <password> -d
file://<path to stores.json>

./cbimport json -c couchbase://127.0.0.1 --bucket ShopALot
--format lines -g key::#UUID# -u <username> -p <password> -d
file://<path to users.json>

./cbimport json -c couchbase://127.0.0.1 --bucket ShopALot
--format lines -g key::#UUID# -u <username> -p <password> -d
file://<path to vehicles.json>

./cbimport json -c couchbase://127.0.0.1 --bucket ShopALot
--format lines -g key::#UUID# -u <username> -p <password> -d
file://<path to workfor.json>
```

NOTE: “file://” should be in front of your path.
e.g.: if your path is “/Users/johndoe/hw4data/orders.json” then the -d argument should be “file:///Users/johndoe/hw4data/orders.json”

All documents should now be imported successfully, and all of the relevant ShopALot data should now be in your ShopALot bucket!