Note – if you get some errors during the replication part go down to the creation part and skip the replication.

Part 4 - Replicate Cloudant Database

1. **Go to** https://console.bluemix.net , **scroll down** to see the services and **click** on the "Cloudant NoSQL DB" service.

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2. On the left menu **click** on "Service credentials".

3. **Click** on the "New credentials" button located at the right side of your screen.

4. **Click** on "Add" button.

5. To see the credentials your just added **click** on the "view credentials".

☐ KEY NAME	DATE CREATED	ACTIONS
☐ Credentials-1	Sep 4, 2017 - 09:14:46	View credentials ▼

6. **Copy** the "Password" and **save** it in the CheatSheet.txt as "cloudantPassword".

   "password": "⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛",

7. Now **Click** on the "Manage" option on the left menu.
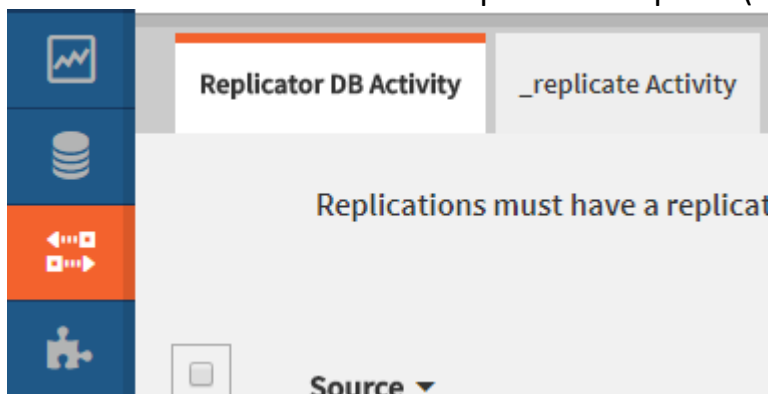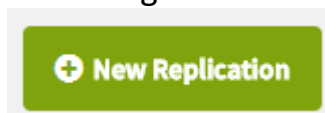

8. **Press** on "Launch" button.

9. On the left menu **select** the "replication" option (look like two squares with arrows).

10. On the right side of the screen **click** on the "New Replication" button.

11. **Fill** the form like the picture below :
    Replication Source : Remote database
    Database URL :https://9f43f973-f816-4e2f-a857-ce5cd2b29644-bluemix.cloudant.com/ryc
    Replication Target : New local database
    New Database : ryc
    And **click** on the "Start Replication" button

| Replication Source: | Remote database ▼ |
| Database URL: | https://9f43f973-f816-4e2f-a857-ce5cd2b29644-bluemix.cloud: |

https://$USERNAME:$PASSWORD@$REMOTE_SERVER/$DATABASE ❓

| Replication Target: | New local database ▼ |
| New Database: | ryc| |

| Replication Type: | One time ▼ |
| Replication Document: | Custom ID (optional)   ✕ |

⇄ Start Replication   Clear

12. **Enter** the cloudantPassword that you copied in flow number 6 (from you CheatSheet.txt) , and **click** on "Start Replication".

Enter Local-Account Password   ✕

Replication requires authentication on your local account.

Enter your password

Cancel   ✓ Start Replication

13. Now **select** the "data base" option on the left menu.
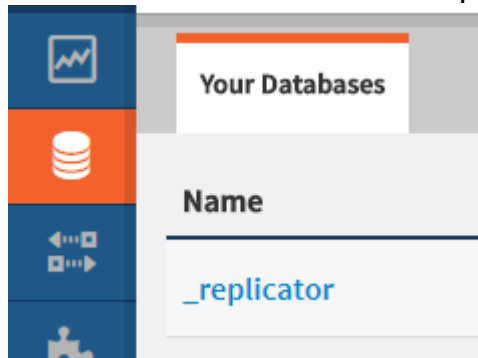
14. And you can see the database "ryc" you just replicated.

DO THIS PART ONLY IF YOU GET ERRORS IN THE PREVIOUS REPLICATION.

Create Cloudant DataBase And Documents
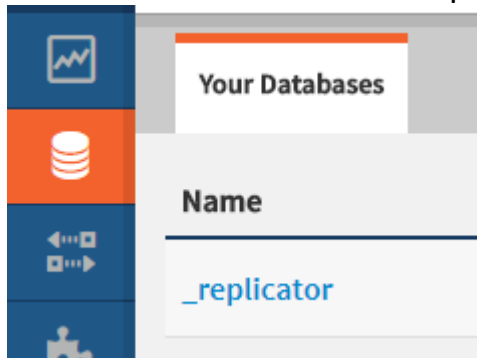
1.

    Go to https://console.bluemix.net , **scroll down** to see the services and **click** on the "Cloudant NoSQL DB" service (the name of the service should be with a random number).
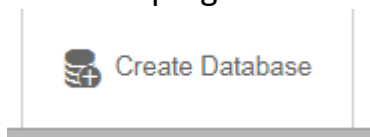

2. **Press** on "Launch" button.

3. Now **select** the "data base" option on the left menu.

4. On the top right find the "Create Database" button and **click** on it.

5. **Enter** database name "ryc" and click on **create**.

6. On the top right **click** on "Create Document".

7. Now **fill** the following parameters :
   "name": "<any name you want>",
   "address": "<any address you want>",
   "phone","<any phone you want>",
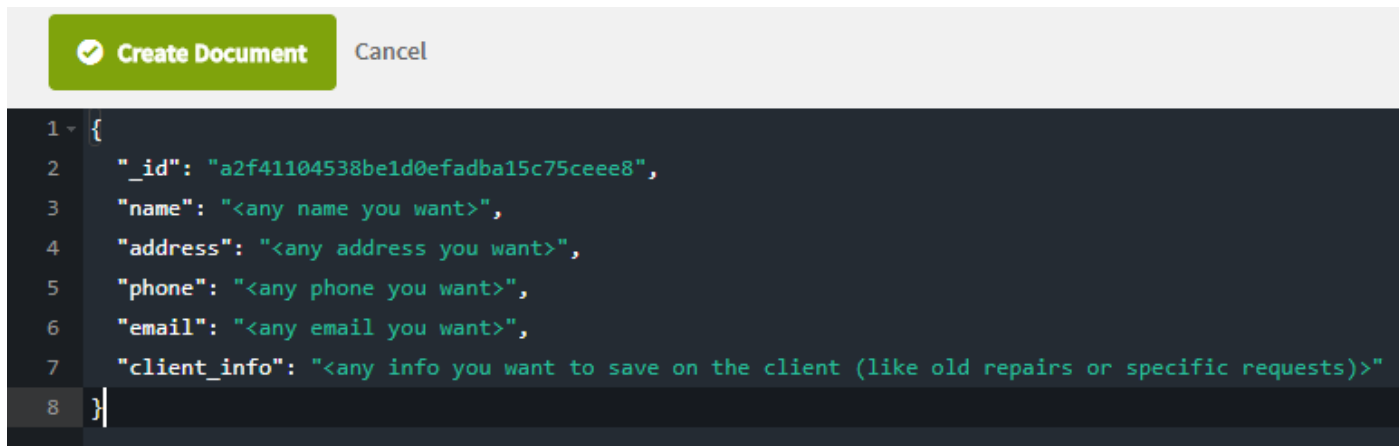   "email": "<any email you want>",
   "client_info": "<any info you want to save on the client (like old repairs or specific requests)>"
   And **click** on "Create Document" button.

8. Repeat on flow 6 and 7 until you have 3 documents (its necessary to have 3 or you will get errors on the node red application).