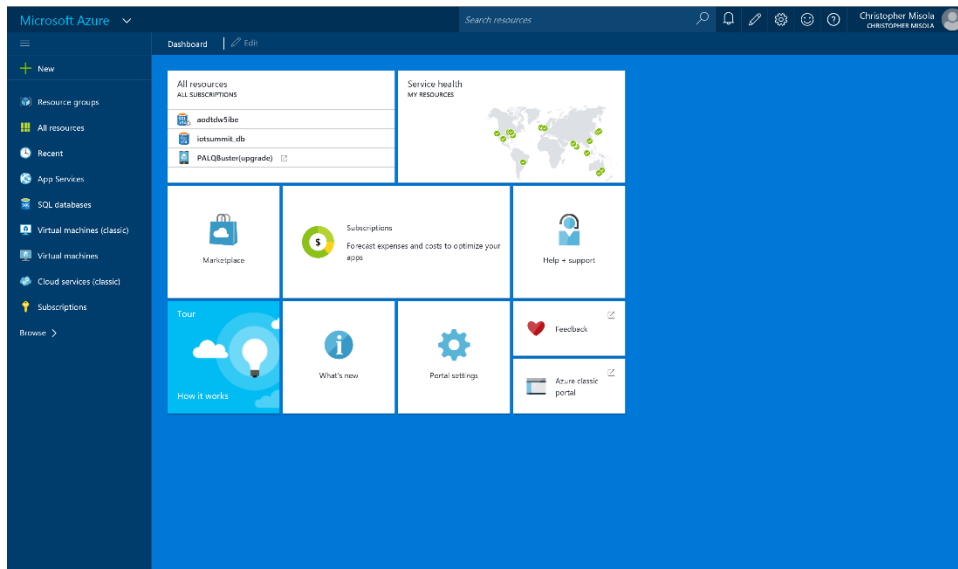
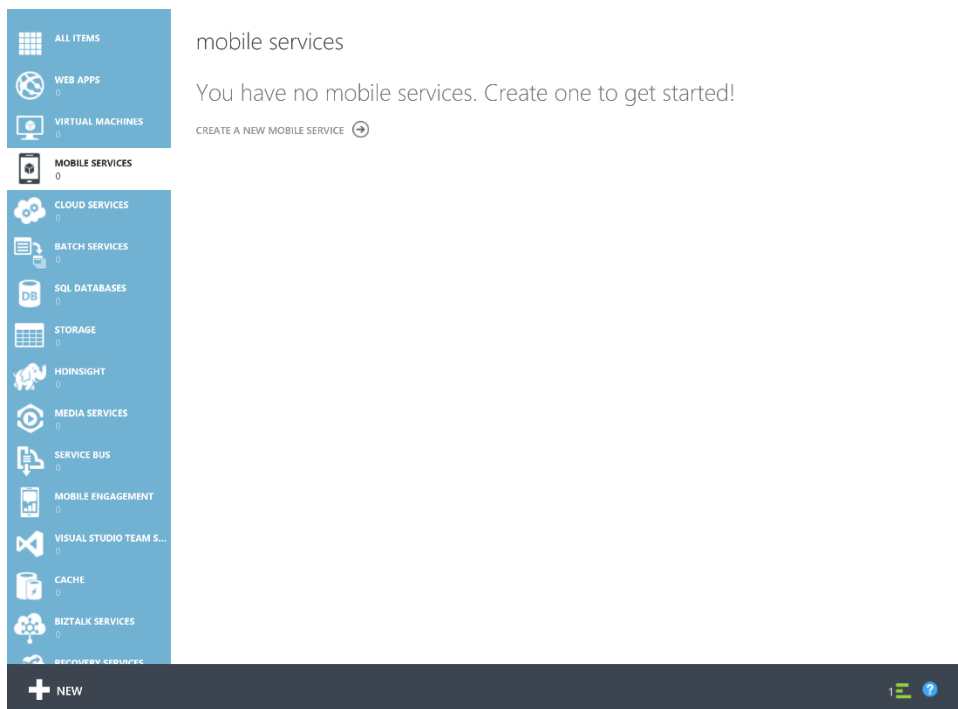


1. Login to Azure Portal and select “Azure Classic Portal”



2. Select “Mobile Services” and select “Create a new mobile service”



3. Provide a name for the URL, region nearest you and backend to “JavaScript” – click next button (Right Arrow)

The screenshot shows the 'NEW MOBILE SERVICE' dialog box titled 'Create a Mobile Service'. The background is the Azure portal's 'mobile services' page, which states 'You have no mobile services. Create one to get started!'. The dialog has the following fields and options:

- URL:** A text input field containing 'iotsuunit'.
- DATABASE:** A dropdown menu with the option 'Create a new SQL database instance' selected.
- REGION:** A dropdown menu with 'East Asia' selected.
- BACKEND:** A dropdown menu with 'JavaScript' selected.
- CONFIGURE ADVANCED PUSH SETTINGS:** A checkbox that is currently unchecked.

At the bottom right of the dialog, there is a right-pointing arrow button and the number '2'.

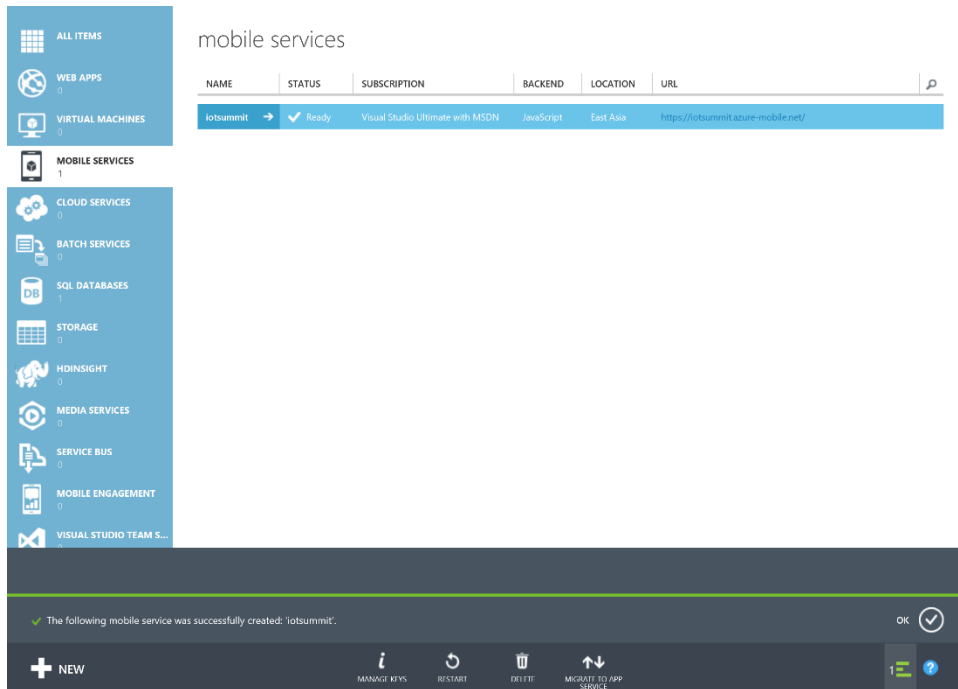
4. Provide a name for your database, login name and password, choose a region – click on check button

The screenshot shows the 'NEW MOBILE SERVICE' dialog box titled 'Specify database settings'. The background is the same Azure portal page. The dialog has the following fields and options:

- NAME:** A text input field containing 'iotsuunit\_db' with a green checkmark icon to its right.
- SERVER:** A dropdown menu with 'New SQL database server' selected.
- SERVER LOGIN NAME:** A text input field containing 'iotsuunit'.
- SERVER LOGIN PASSWORD:** A password input field with masked characters (dots).
- CONFIRM PASSWORD:** A password input field with masked characters (dots).
- REGION:** A dropdown menu with 'East Asia' selected.
- CONFIGURE ADVANCED DATABASE SETTINGS:** A checkbox that is currently unchecked.

At the bottom right of the dialog, there is a left-pointing arrow button, a checkmark button, and the number '1'.

5. After the mobile service and database have been successfully created, you can now select the mobile service the you created

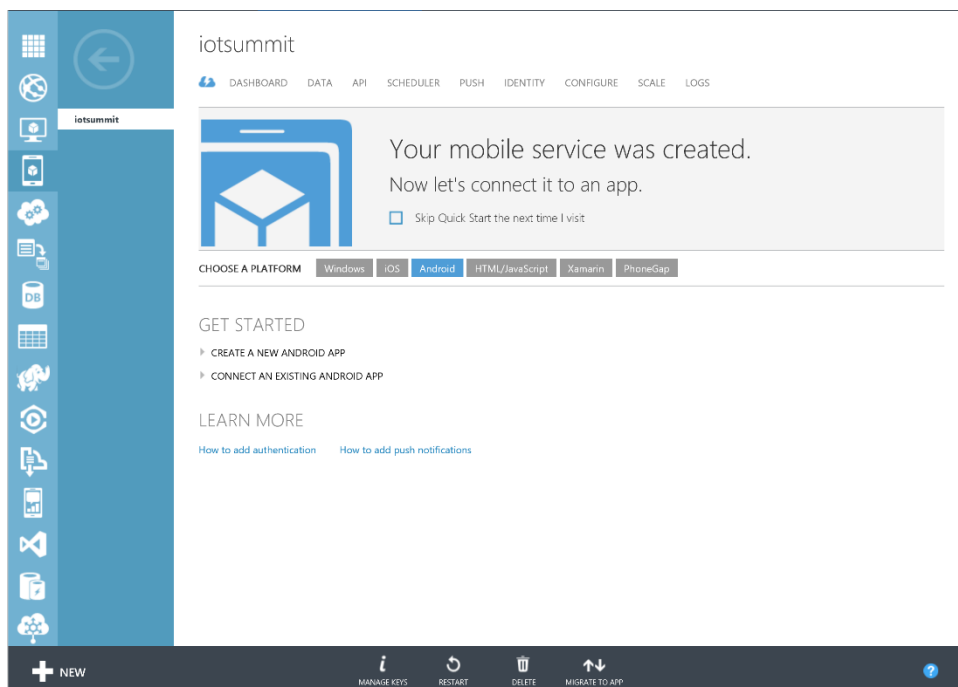


NAME	STATUS	SUBSCRIPTION	BACKEND	LOCATION	URL
iotsummit	Ready	Visual Studio Ultimate with MSDN	JavaScript	East Asia	https://iotsummit.azure-mobile.net/

The following mobile service was successfully created: 'iotsummit'.

NEW | MANAGE KEYS | RESTART | DELETE | MIGRATE TO APP SERVICE

6. Choose "API" tab



iotsummit

DASHBOARD DATA API SCHEDULER PUSH IDENTITY CONFIGURE SCALE LOGS

Your mobile service was created. Now let's connect it to an app.

☐ Skip Quick Start the next time I visit

CHOOSE A PLATFORM: Windows iOS Android HTML/JavaScript Xamarin PhoneGap

GET STARTED

- CREATE A NEW ANDROID APP
- CONNECT AN EXISTING ANDROID APP

LEARN MORE

[How to add authentication](#) [How to add push notifications](#)

NEW | MANAGE KEYS | RESTART | DELETE | MIGRATE TO APP SERVICE

7. Select “Create a custom API” – Provide an API Name – for this exercise set all permission to “Everyone” (strongly recommend that you select an appropriate API key before deploying to production)

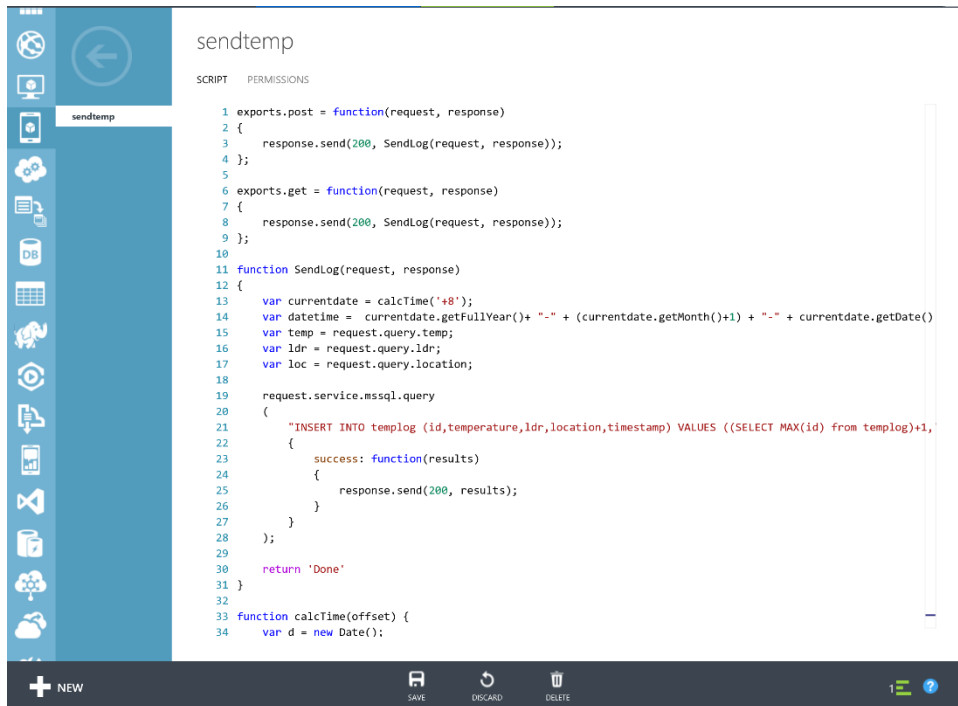
The screenshot shows the 'Create a new custom API' dialog box in the Iotsummit dashboard. The dialog has a title bar 'MOBILE SERVICES: API' and a close button. The main title is 'Create a new custom API'. Below it, there is a text input field for 'API NAME' with the value 'sendtemp'. A note states: 'You can set a permission level against each HTTP method for your custom API.' Below this, there are five dropdown menus for permissions: 'GET PERMISSION', 'POST PERMISSION', 'PUT PERMISSION', 'PATCH PERMISSION', and 'DELETE PERMISSION'. All of these dropdowns are currently set to 'Everyone'. A checkmark icon is visible in the bottom right corner of the dialog.

8. After the new custom API created – select the new custom API

The screenshot shows the Iotsummit dashboard with the 'API' tab selected. A table lists the custom APIs. The first row is highlighted in blue, indicating it is selected.

NAME	GET	POST	PUT	PATCH	DELETE
sendtemp →	Everyone	Everyone	Everyone	Everyone	Everyone

9. Now you are ready to use script provided for this exercise and choose “Save”

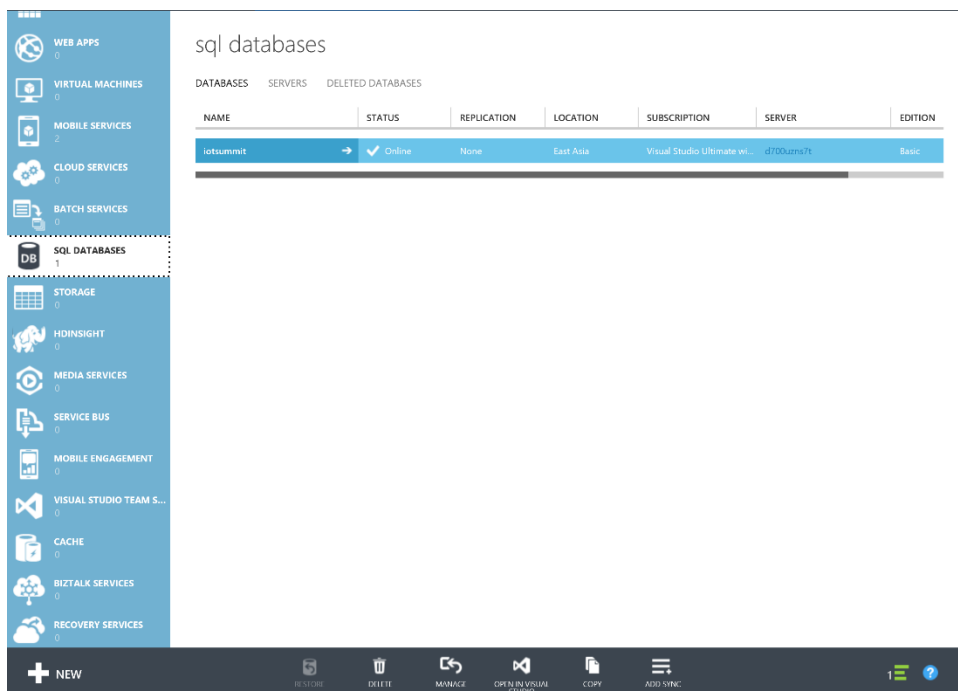


The screenshot shows the Azure portal interface for a function named 'sendtemp'. The left sidebar contains various service icons, and the top navigation bar shows 'sendtemp' as the selected item. The main area displays the 'SCRIPT' tab with the following code:

```
1 exports.post = function(request, response)
2 {
3     response.send(200, SendLog(request, response));
4 };
5
6 exports.get = function(request, response)
7 {
8     response.send(200, SendLog(request, response));
9 };
10
11 function SendLog(request, response)
12 {
13     var currentdate = calcTime('+8');
14     var datetime = currentdate.getFullYear() + "-" + (currentdate.getMonth()+1) + "-" + currentdate.getDate()
15     var temp = request.query.temp;
16     var ldr = request.query.ldr;
17     var loc = request.query.location;
18
19     request.service.mssql.query
20     (
21         "INSERT INTO templog (id,temperature,ldr,location,timestamp) VALUES ((SELECT MAX(id) from templog)+1,
22         {
23             success: function(results)
24             {
25                 response.send(200, results);
26             }
27         }
28     );
29
30     return 'Done'
31 }
32
33 function calcTime(offset) {
34     var d = new Date();
```

The bottom of the editor shows a toolbar with 'NEW', 'SAVE', 'DISCARD', and 'DELETE' buttons.

10. Now is the time to configure your Azure SQL, choose “SQL Databases” – choose the database you created and click on “Manage”

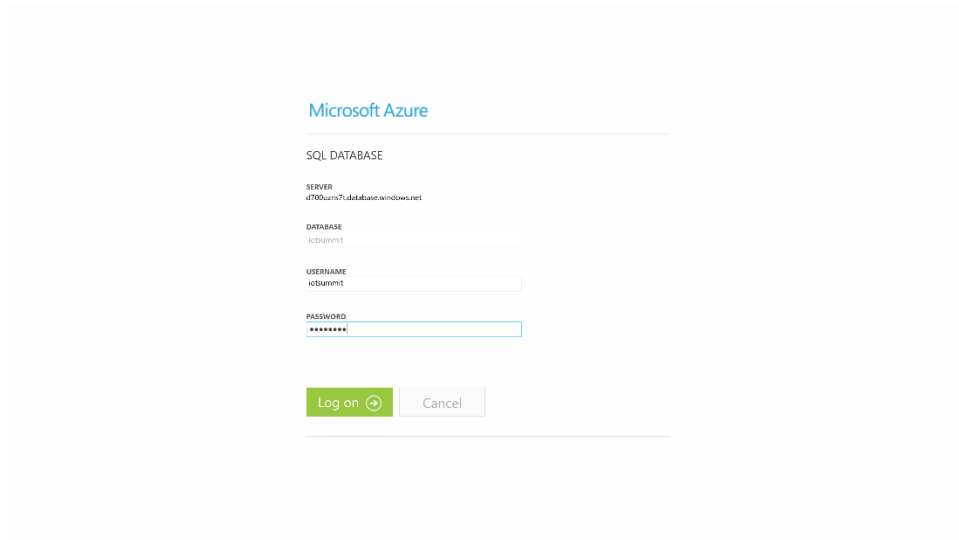


The screenshot shows the Azure portal interface for 'sql databases'. The left sidebar contains various service icons, and the top navigation bar shows 'sql databases' as the selected item. The main area displays a table with the following data:

NAME	STATUS	REPLICATION	LOCATION	SUBSCRIPTION	SERVER	EDITION
iotsummit	Online	None	East Asia	Visual Studio Ultimate wi...	d700ume7e	Basic

The bottom of the page shows a toolbar with 'NEW', 'TO STORE', 'DELETE', 'MANAGE', 'OPEN IN VISUAL STUDIO', 'COPY', and 'ADD SYNC' buttons.

## 11. Login using the username and password



The image shows a login form for Microsoft Azure SQL Database. The form is titled "Microsoft Azure" and "SQL DATABASE". It contains fields for "SERVER" (d700uwn7c.database.windows.net), "DATABASE" (iotsummit), "USERNAME" (iotsummit), and "PASSWORD" (masked with asterisks). There are "Log on" and "Cancel" buttons at the bottom.

Microsoft Azure

SQL DATABASE

SERVER  
d700uwn7c.database.windows.net

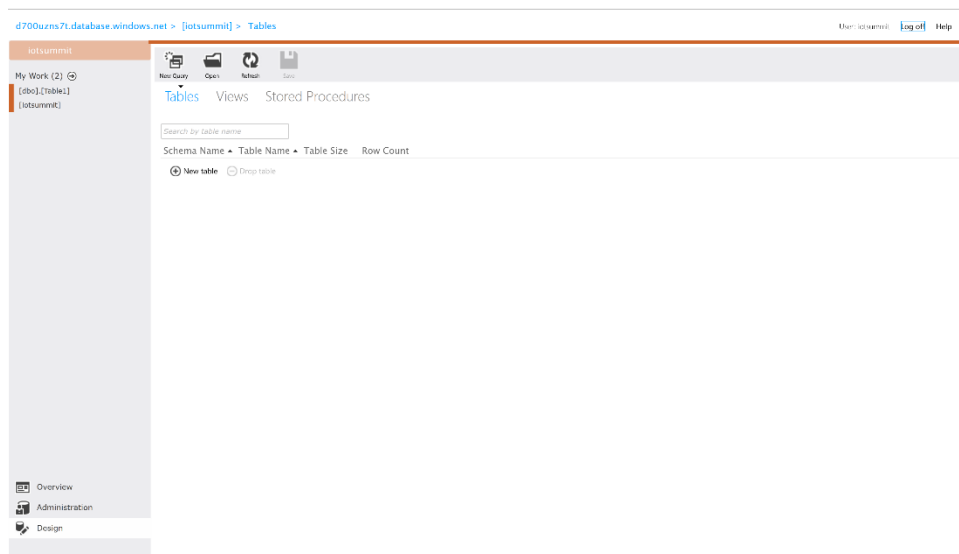
DATABASE  
iotsummit

USERNAME  
iotsummit

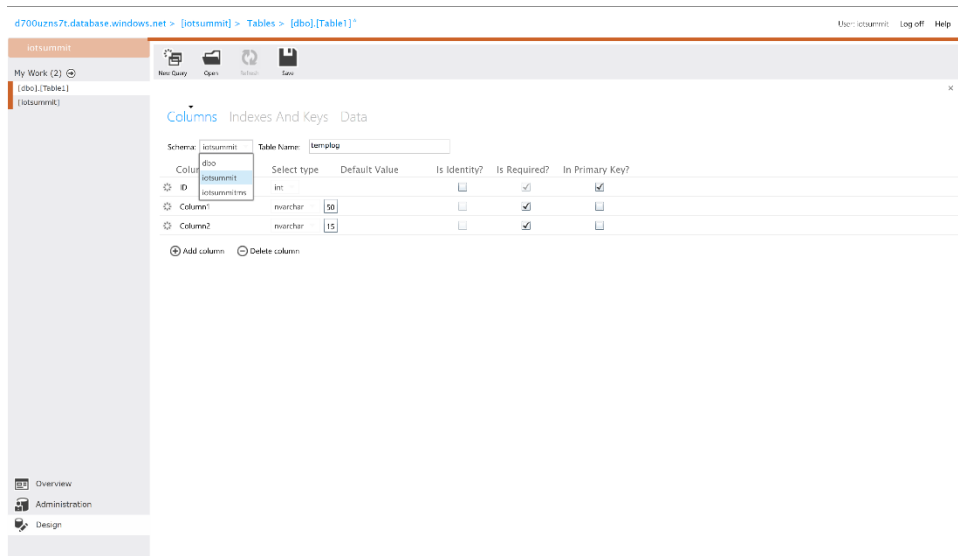
PASSWORD  
\*\*\*\*\*

Log on Cancel

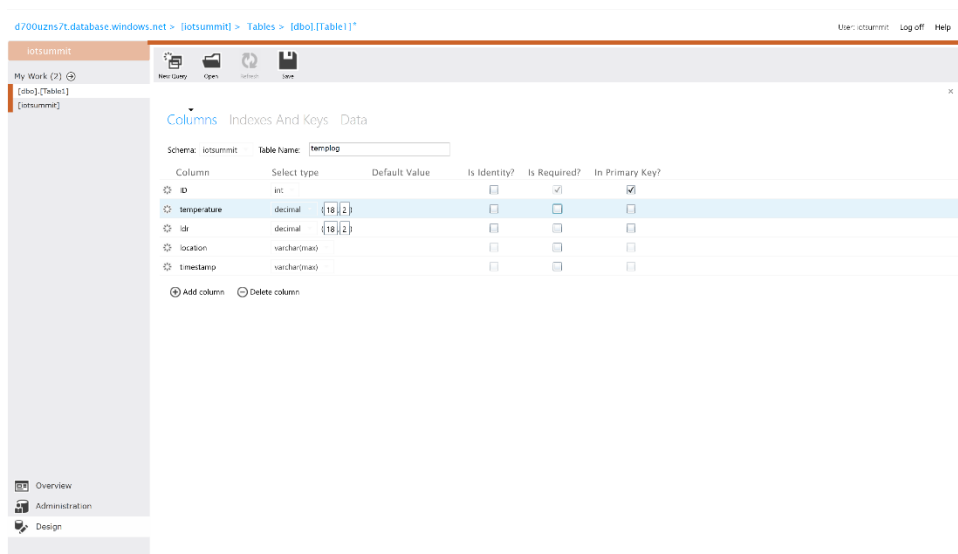
## 12. Choose "Design" and select "New Table" to create a new table



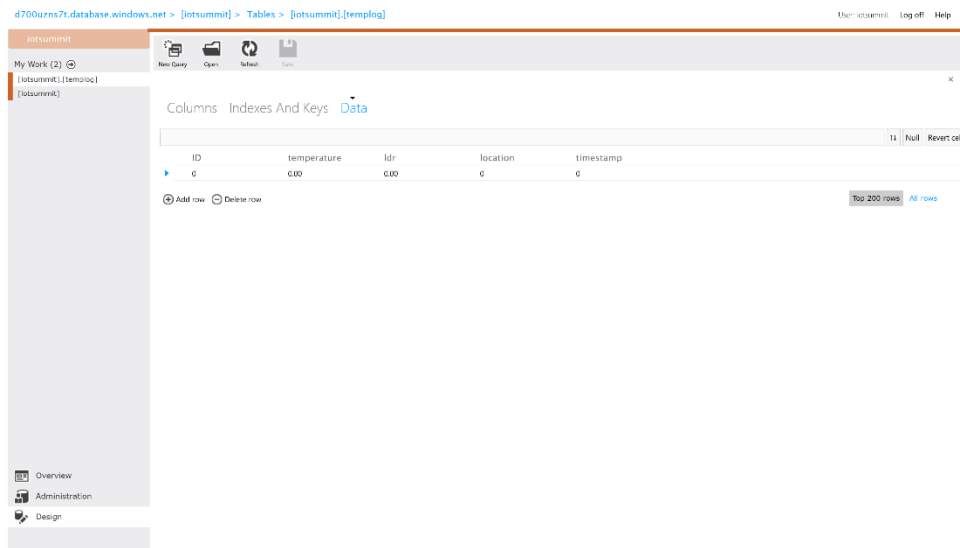
### 13. Choose a schema (same name with your Mobile Service) and provide a table name



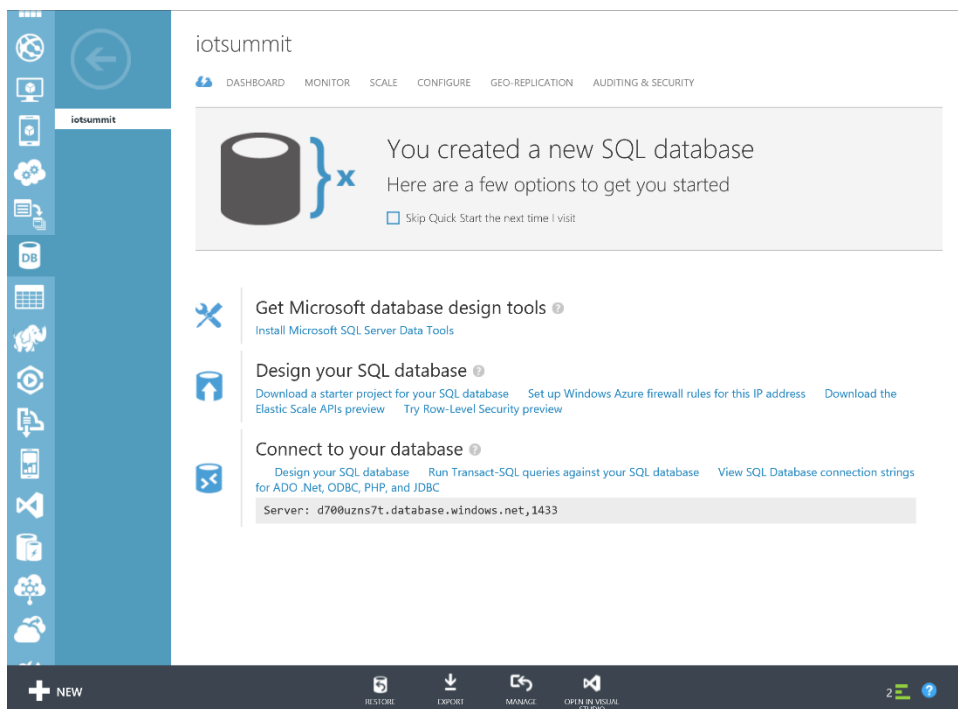
### 14. Add fields and data type then “Save”



15. Choose “Data” to add dummy items to your database



16. By the way, if you need to get the name of your SQL server, just go back to your previous screen and select the database you created 😊





- Power BI**

flames

Add widget ? Share ...

### FLAMES

Ask a question about the data on this dashboard

**Count of frame**

BY RESULT

Result	Count
affection	1
enemy	7
friend	2
lover	1

**Count of frame**

BY RESULT

Result	Count
affection	1
enemy	7
friend	2
lover	1

**Count of frame**


BY RESULT






Result	Count
affection	1
enemy	7
friend	2
lover	1

**result, frame, sname**


sname	frame	result
graceur	brian(77)	affection
bombard projector	brian(77)	enemy
ranger	ranger	enemy
jels	Chris	enemy
christopher nicola	lacy ann elegio	enemy
lady ann elegio	christopher "long" nicola	friend
christopher nicola	lacy ann elegio	friend
dip mulchand	andri raga	lover

Get Data

-  Power BI



My Workspace




# Get Data

Need more guidance? [Try this tutorial](#)

## Content Pack Library


### My organization

Browse content packs that other people in your organization have published.

Get 

### Services


Choose content packs from online services that you use.

Get 

## Import or Connect to Data


### Files


Bring in your reports, workbooks, or data from Excel, Power BI Desktop or CSV files.

Get 

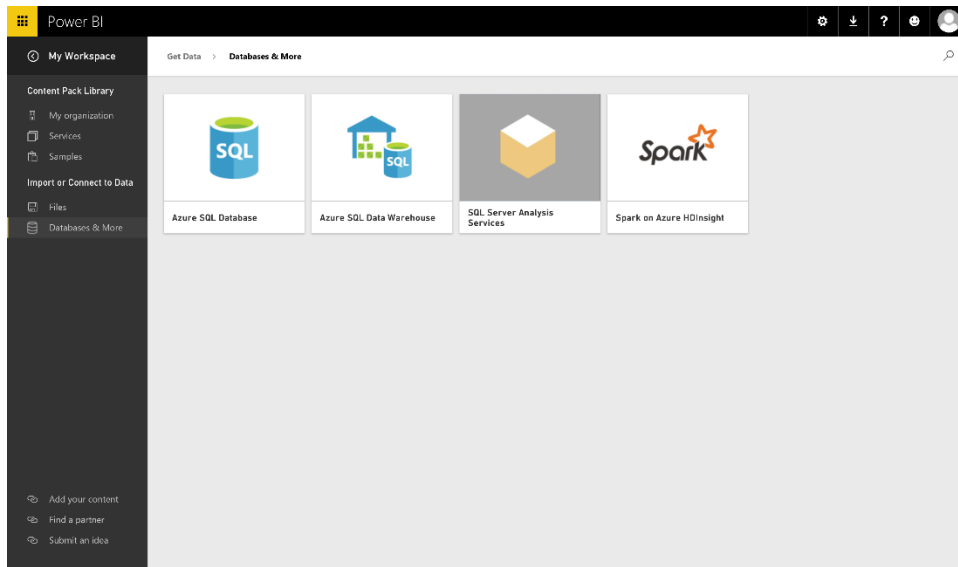
### Databases

Connect to live data in Azure SQL Database and more.

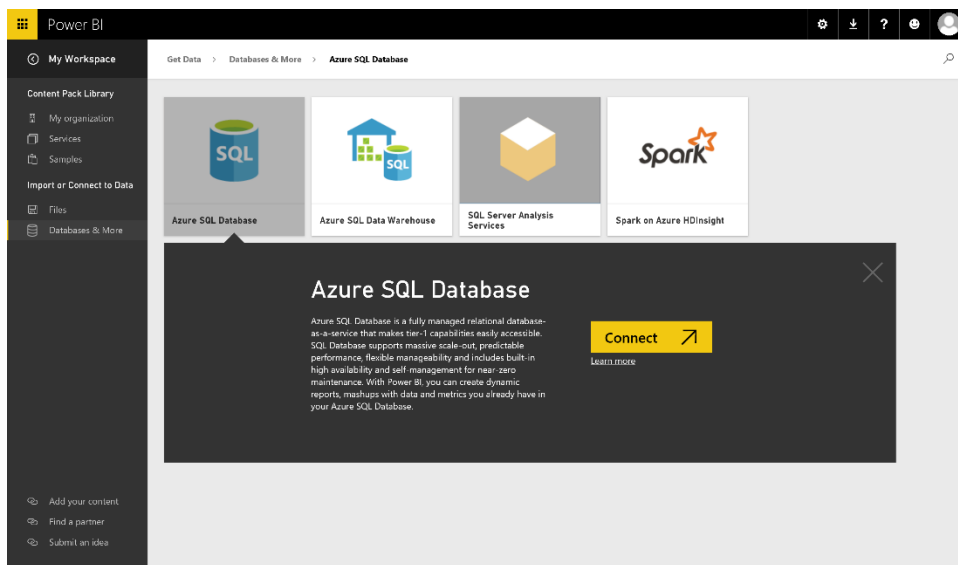
Get 

 Samples

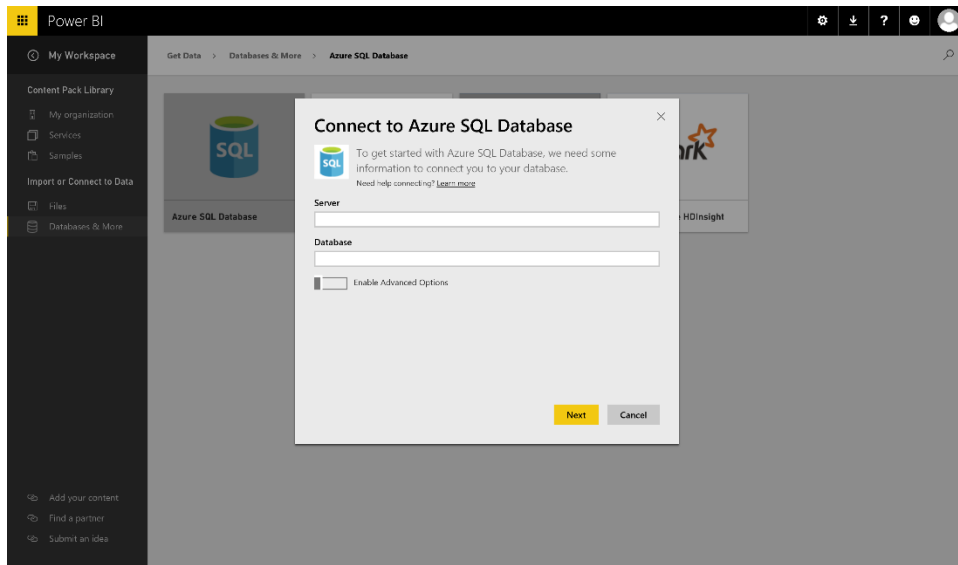
## 19. Choose “Azure SQL Database”



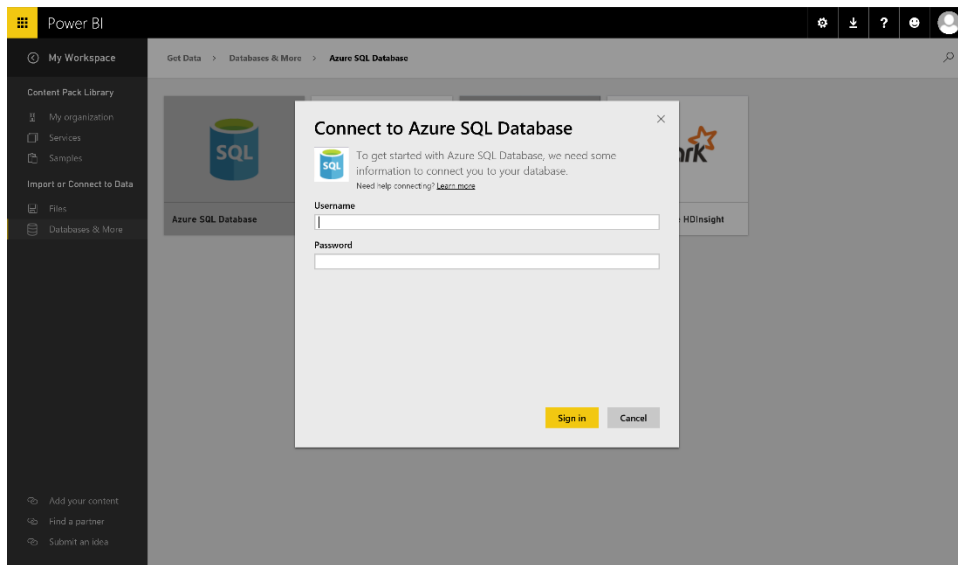
## 20. Choose “Connect”



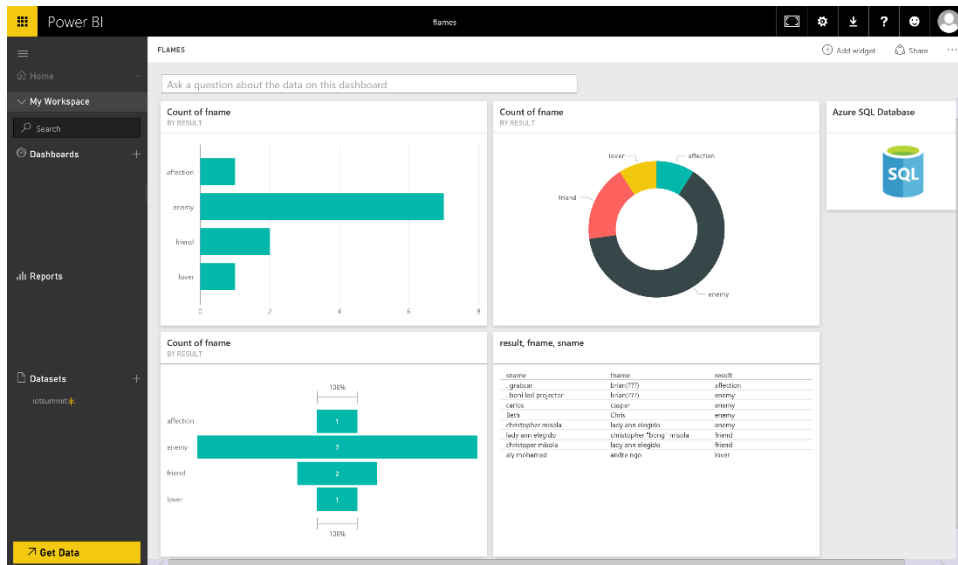
21. Enter the name of your server and name of your database – click “Next”



22. Enter your username and password



23. Once your data are imported, it should appear on “Datasets” with “\*”



24. Choose the new dataset created – now you can start creating new report by selecting a visualization chart and drag drop fields – Don't forget to save the report 😊

