



## Lab 4

### SUBJECT

IoT Hands-On Lab

### TEACHER

Bob Familiar

### DATE

November 19, 2015

### OVERVIEW

In lab 4, you will configure the scale settings for the biometrics API and dashboard and test the

### LAB 2

#### STEP 1

- Start your BioMax simulator so that it is generating messages

```
file:///C:/Users/bobfa/Source/Repos/LooksFamiliar/HandsOnLabs/Code/BioMaxSimulator-IoTHub/...
*****
*  B I O M A X  S E N S O R  E V E N T  G E N E R A T O R  *
*                               *
*    I O T  H U B  E D I T I O N    *
*                               *
*****

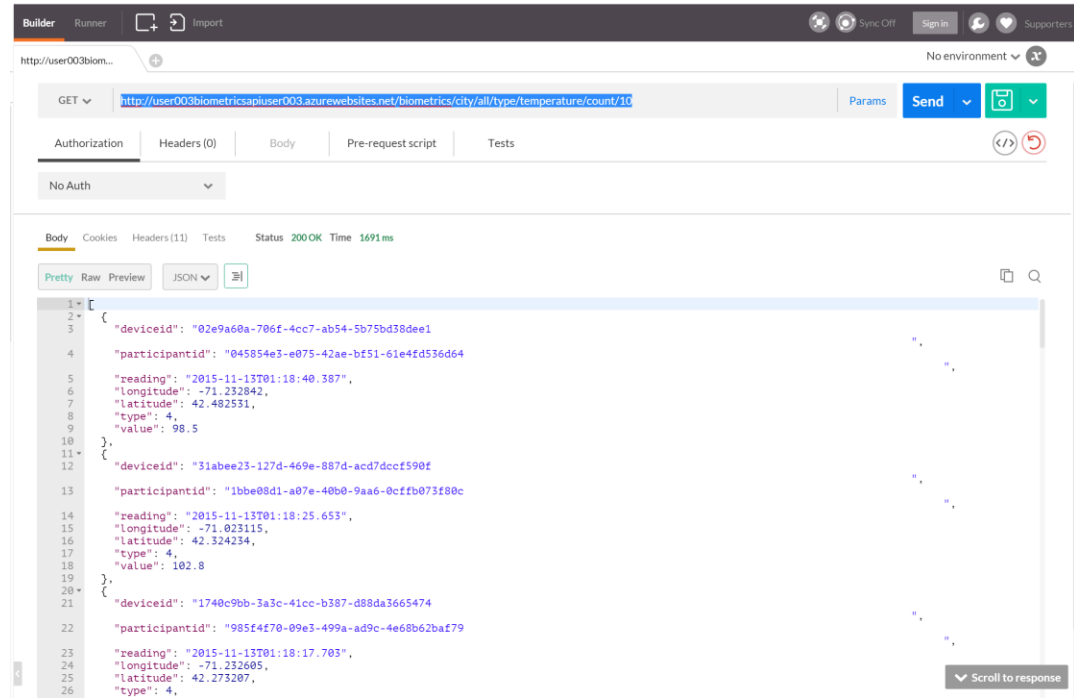
Press Enter to start the generator.
Press Ctrl-C to stop the generator.
```

#### STEP 2

- The Biometrics API provides access to the telemetry in the SQL Database by providing an endpoint that allows you to select the most recent telemetry that has arrived from the devices.
- Test the Biometrics API using a browser or Postman using this URL:  
[http://\[usertag\]biometricsapi\[usertag\].azurewebsites.net/biometrics/city/all/type/bloodoxygen/count/10](http://[usertag]biometricsapi[usertag].azurewebsites.net/biometrics/city/all/type/bloodoxygen/count/10)

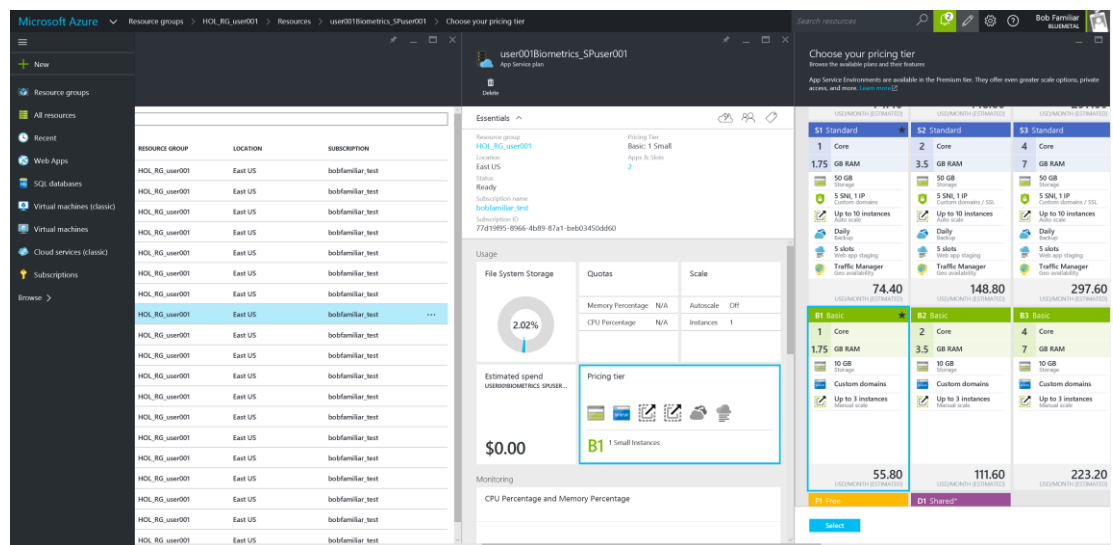
[http://\[usertag\]biometricsapi\[usertag\].azurewebsites.net/biometrics/city/all/type/glucose/count/10](http://[usertag]biometricsapi[usertag].azurewebsites.net/biometrics/city/all/type/glucose/count/10)

[http://\[usertag\]biometricsapi\[usertag\].azurewebsites.net/biometrics/city/all/type/temperature/count/10](http://[usertag]biometricsapi[usertag].azurewebsites.net/biometrics/city/all/type/temperature/count/10)



### STEP 3

- Navigate to <http://portal.azure.com>, select your Resource Group and then select the Biometrics Service Plan resource
- Update the Biometrics Application Service Plan from Free to Basic. Click on Pricing Tier and select 'B1 Basic'. This will allow you to scale up this component of the solution.



- Once that change has been made to the resource, click on 'Scale'.
- Enter 3 in the Instances text entry box and click save

STEP 4

- Load the Biometrics Dashboard to validate that the SignalR service is calling the Biometrics API and pushing updates to the Dashboard

