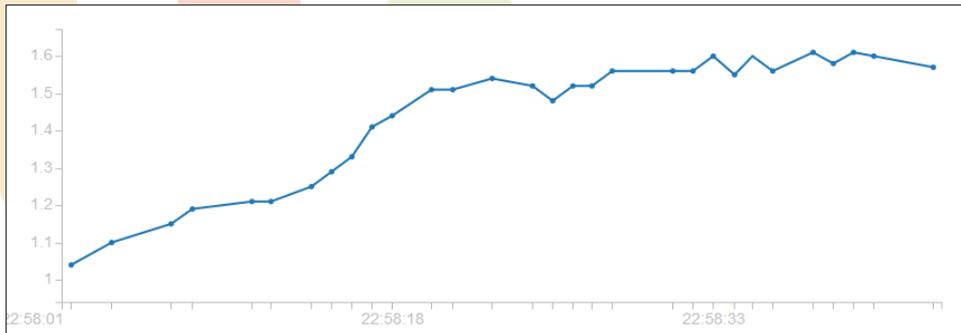


# Charts in cloud with IBM's

This tutorial shows how to build a simple chart on the cloud with a simple node that sends values to the cloud.

Here how the result looks like:



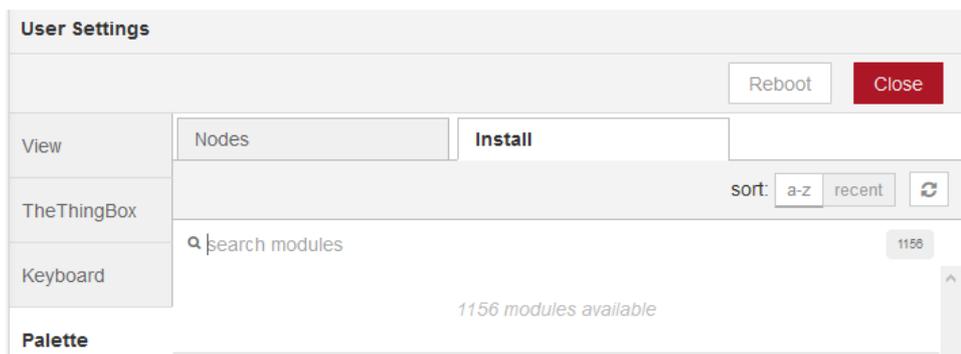
For this tutorial, we use the IoT Bluemix cloud from IBM and a node also provided by IBM to send datas.



IBM offers a GREAT idea named "QuickStart" where you can get a result without all the pain of registering the service. First give a seamless result to the customer, then if he wants more you can ask him to invest some time (or money). Great lesson a lot of cloud service providers should ear.

## Install the nodes

Click the right menu in the Node-RED web page. Choose Manage Palette then Install.



- Type `node-red-contrib-ibm-watson-iot` in the edit box and click the OK button.
- Wait for the install



The installation may take up to 5 minutes (a progress bar shows the progress), depending on what is already installed on your device.

- Then reboot and then refresh the web browser page.
- Browse the palette and look at the newly added nodes.



## A first simple flow

Drag'n drop it on the workspace, and double click it to set parameters:

### Edit wiotp out node

Connect as

Quickstart  Registered

Quickstart Id

Event type

Format  json

Name

You can click the button below to get the cloud bluemix chart:



all these technical datas should normally not appear in a quickstart node that provide a seamless user experience.

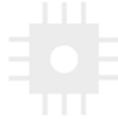


## Quickstart

No sign-up required to see how easy it is to connect your device to Watson IoT Platform and view live sensor data

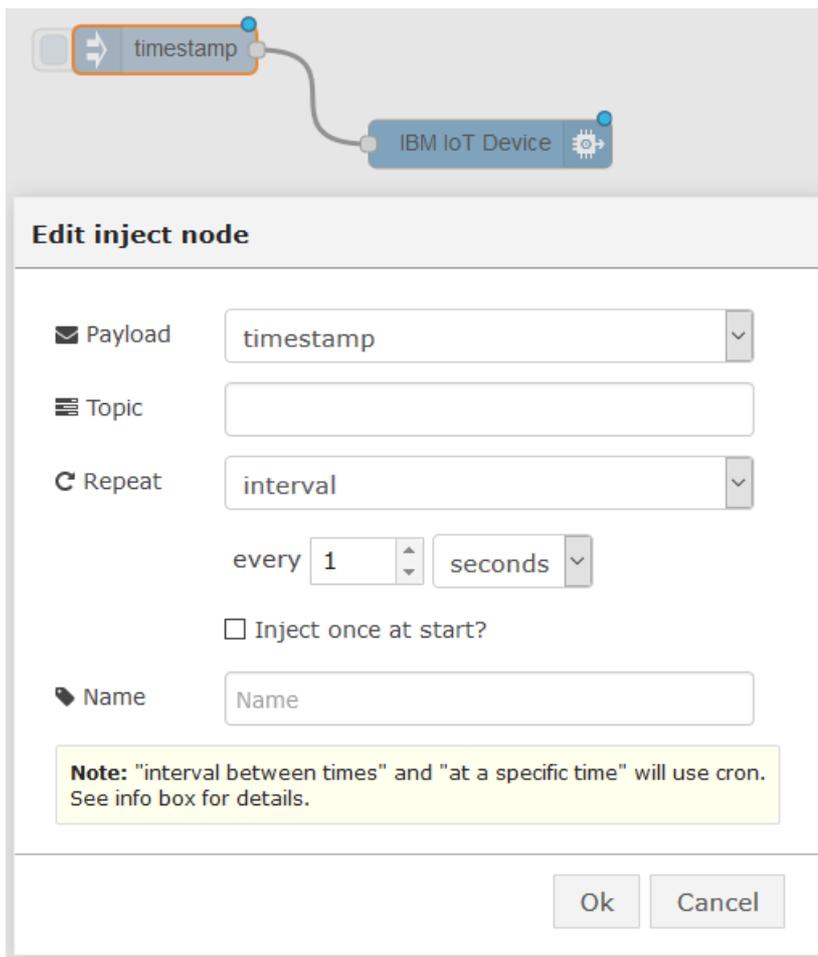
The device ID you have entered is valid, but we are waiting for your device to send us a message.

Get your device to send us some valid data - we'll visualize it for you!



## Send data and build a chart

Now you can send any numeric value. Let's build the simplest flow: add an "inject" node and set it to send the current date as a number every one second:



**Edit inject node**

✉ Payload

☰ Topic

🕒 Repeat

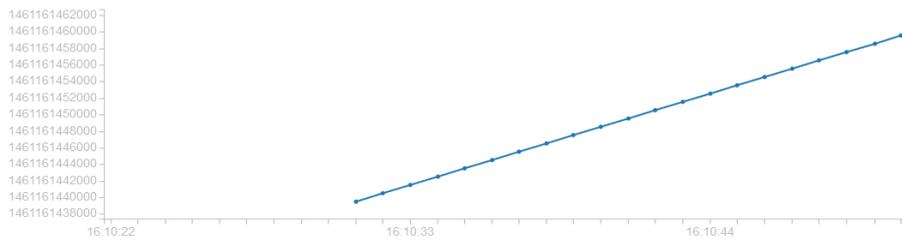
every

Inject once at start?

🔍 Name

**Note:** "interval between times" and "at a specific time" will use cron. See info box for details.

And look the beautiful result:



Beyond this Quickstart mode, IBM offers a full featured cloud for IoT.

## Credits

This tutorial uses IBM IoT Bluemix: <http://discover-iot.eu-gb.mybluemix.net>

## Where to go now

- Learn more about IBM IoT Bluemix: <http://discover-iot.eu-gb.mybluemix.net>
- Get a full documentation on the Node: <https://www.npmjs.com/package/node-red-contrib-ibm-watson-iot>
- Discover other IoT cloud offers with the "**Use IoT platforms**" tutorial.