

# CREATE AND CONFIGURE IBM CLOUD SERVICES

## CREATE IBM WATSON IOT PLATFORM AND DEVICE

TEAM ID	PNT2022TMID38782
PROJECT TITLE	Real-Time River Water Quality Monitoring and Control System
TEAM LEADER	Arulkumaran R
TEAM MEMBER 1	Ezhilarasan S
TEAM MEMBER 2	Harish K
TEAM MEMBER 3	Guhan I

The screenshot displays the IBM Cloud dashboard interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Arulkumaran R's Account). Below the navigation bar, the main dashboard area is titled "Dashboard" and includes links for "Edit dashboard", "Upgrade account", and a prominent "Create resource" button. The dashboard is divided into sections. The "For you" section features several tiles: "Build" (Explore IBM Cloud with this selection of easy starter tutorials and services.), "Explore IBM Cloud Shell" (Try a command-driven approach for creating, developing, and deploying a web project.), "Visit the IBM Cloud catalog" (Explore our unique product catalog that contains 190+ services and software for your business solutions.), "Build a web app with Watson Speech to Text" (Deploy a conversational interface compatible with any application, device, or channel.), "Get Started with Watson Studio" (Get started with using AI and Cloud Object Storage in 15 minutes.), and "Build a Cloud" (Upgrade to create protect Cloud.). Each tile includes a "Getting started" button and a time estimate. Below the "For you" section, there are three more sections: "User access" (Manage users), "News" (View all), and "Planned maintenance" (View all). The "News" section highlights "Introducing Badges to IBM Cloud Certification" and "Announcing IBM SevOne Network Performance Management Version 6.4". The bottom of the image shows a Windows taskbar with various application icons and a system tray displaying the date and time (19-11-2022, 01:24).

IBM

IBM-EPBL

IoT-B6-6M

Application

Node-RED

Resource

Service De

IBM Watson

New Tab

cloud.ibm.com/resources

IBM Cloud

Search resources and products...

Catalog

Manage

Arulkumaran R's Account

Resource list

Create resource +

Name	Group	Location	Product	Status	Tags
Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...					
Developer tools (4)					
Continuous Delivery	Default	Sydney	Continuous Delivery	Active	-
Node RED FGTXP 2022-11-16	Default	Global	Cloud Application	-	-
Node RED WRSON 2022-11-03	Default	Global	Cloud Application	-	-
NodeREDFGTXP2022-11-16	Default	Sydney	Toolchain	-	-
Logging and monitoring (0)					
Migration (0)					
Integration (0+)					
Internet of Things (1)					
Internet of Things Platform-l7	Default	Frankfurt	Internet of Things Platform	Active	-
Security (0)					
Mobile (0)					

IBM

IBM-EPBL

IoT-B6-6M

Application

Node-RED

Service De

Service De

IBM Watson

New Tab

cloud.ibm.com/services/iotf-service/cm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F021e4e5473c4de8b9486bac6be4fce2%3A9b01a678-f06f-497f...

IBM Cloud

Search resources and products...

Catalog

Manage

Arulkumaran R's Account

Resource list /

Internet of Things Platform-l7

Active

Add tags

Details

Actions...

Manage

Plan

Connections

Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

Launch Docs

Ready for the next level?

IBM Watson IoT Platform Journey

✓

Lite

The Lite service plan provides a lightweight development environment to get you started

○

Non-Production

The Non-Production service plan is a full-featured, fully-integrated offering that enables

○

Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze

IBM Watson IoT Platform

arulkumaranvp@gmail.com  
ID: o7ny8f

Browse Action Device Types Interfaces

Add Device +

Identity Device Information Recent Events State Logs

Device ID arul  
Device Type arulkumar123  
Date Added Nov 12, 2022 10:00 PM  
Added By arulkumaranvp@gmail.com  
Connection Status Disconnected

> ☐ arul\_143 ☐ Disconnected ibm\_device Device Nov 18, 2022 9:35 PM

Items per page 50 | 1-3 of 3 items 1 of 1 page < 1 >

1 Simulation running

Type here to search 24°C Mostly clear 01:29 19-11-2022

IBM Watson IoT Platform

arulkumaranvp@gmail.com  
ID: o7ny8f

Browse Action Device Types Interfaces

Add Device +

Identity Device Information Recent Events

The recent events listed show the live stream of data that

Event Value

arul	{"randomNumber":3}
kumaran	{"randomNumber":40,"sampleObject":{}}
arul	{"randomNumber":85}
arul	{"randomNumber":93}
arul	{"randomNumber":26}

Device Type: ibm\_device

Events 1 New event type +

Event type name event\_1 Send

Schedule 60 Every Minute

Payload Specify the event payload in the editor window or by uploading a CSV file.

```
0 {  
1   "temperature": random(0, 100),  
2   "humidity": random(0, 50)  
3 }  
4 }  
5 }
```

Type here to search 24°C Mostly clear 01:29 19-11-2022

IBM

IBM-EP

IoT-86

Applicat

Node-R

Service

IBM Wa

Service

IBM Wa

New Ta

+

o7ny8f.internetofthings.ibmcloud.com/dashboard/boards/3416a402-dcec-468e-99d1-e365a188382e

IBM Watson IoT Platform

iot\_monitor\_board

Line chart

Time	Value
01:32:00	90
01:32:10	10
01:32:20	90
01:32:30	15
01:32:40	95
01:32:50	60

Simulations

Import/Export simulation

ibm\_device

Device Type

Arduino

1 Event

1 Device

# arul

1 x

Create Simulated Device

Use Registered Device

339 events sent

12.52 KB sent

Type here to search

25°C Mostly clear

01:32 19-11-2022