

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
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The screenshot shows the IBM Cloud dashboard. At the top, there's a navigation bar with tabs like 'IBM', 'IBM-E', 'IoT-B6', 'Applic...', 'Node...', 'IBM C...', 'Service...', 'IBM W...', 'New T...', 'Downl...', 'CREATE...', and a '+' button. Below the navigation bar is the main dashboard area.

The dashboard features several sections:

- For you:** A grid of cards with various service offerings:
 - Build:** Explore IBM Cloud with this selection of easy starter tutorials and services. (Getting started, 2 min)
 - Explore IBM Cloud Shell:** Try a command-driven approach for creating, developing, and deploying a web project. (Getting started, 2 min)
 - Visit the IBM Cloud catalog:** Explore our unique product catalog that contains 190+ services and software for your business solutions. (Getting started, 1 min)
 - Build a web app with Watson Speech to Text:** Deploy a conversational interface compatible with any application, device, or channel. (Getting started, 15 min)
 - Get Started with Watson Studio:** Get started with using AI and Cloud Object Storage in 15 minutes. (Popular, 2 hr)
 - Build a Cloud (Upgrad...):** Upgrade to create protect Cloud. (Getting...)
- User access:** Enter email addresses below to jump directly into the invite user setup.
- News:** Introducing Badges to IBM Cloud Certification and Announcing IBM SevOne Network Performance Management Version 6.4.
- Planned maintenance:** View all planned maintenance events.

At the bottom, there's a taskbar with icons for search, file operations, and system status (24°C, Mostly clear, ENG, 01:24, 19-11-2022).

S IBM | IBM-EPBL | IoT-B6-6M | Application | Node-RED | Resource | Service De | IBM Watsc | New Tab | +

cloud.ibm.com/resources

IBM Cloud Search resources and products... Catalog Manage Arulkumaran R's Accou...

Resource list Arulkumaran R's Account Create resource +

Name	Group	Location	Product	Status	Tags
Continuous Delivery	Default	Sydney	Continuous Delivery	Active	-
Node RED FGTXP 2022-11-16	Default	Global	Cloud Application	-	-
Node RED WRSQN 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)					

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

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Resource list / Internet of Things Platform-l7 Active Add tags ↗ Details Actions...

Manage Plan Connections

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Lite Non-Production Production

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

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

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

Type here to search 24°C Mostly clear 01:28 19-11-2022

The screenshot shows the IBM Watson IoT Platform dashboard. On the left, there's a sidebar with various icons. The main area has tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A central card displays 'Identity' information for a device:

Device ID	arul
Device Type	arulkumaran123
Date Added	Nov 12, 2022 10:00 PM
Added By	arulkumaranvp@gmail.com
Connection Status	Disconnected

Below this, a message says '1 Simulation running'. At the bottom, there's a navigation bar with a search bar and system status indicators.

This screenshot shows the same dashboard as above, but the 'Recent Events' tab is selected. It displays a table of recent events:

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

To the right, a modal window is open for the 'ibm_device' device type, specifically for event type 'event_1'. It shows a schedule set to 'Every Minute' and a payload editor with the following code:

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

