

Project Development Phase Sprint 2

Team ID	PNT2022TMID30928
Project Title	IoT Based Smart Crop Protection System for Agriculture
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In sprint 2 we created the accounts and we connected those accounts to the cloud database and linked them together.

WATSON:

The screenshot displays the IBM Watson IoT Platform interface. The main panel shows a list of recent events for a device, with columns for 'Event' and 'Value'. The events are labeled 'event_1' and contain JSON payloads with random values for 'randomNumber', 'temp', and 'hum'. A modal window is open on the right, titled 'Device Type: ESP-'. It shows the configuration for a new event type, including the event name 'event_1', a schedule of 'Every Minute', and a payload editor. The payload editor shows a JSON structure with random values for 'randomNumber', 'temp', and 'hum'. The interface also includes a sidebar with navigation icons and a top bar with various tabs and buttons.

Event	Value
event_1	{"randomNumber":52,"temp":93,"hum":66}
event_1	{"randomNumber":85,"temp":104,"hum":69}
event_1	{"randomNumber":58,"temp":101,"hum":87}
event_1	{"randomNumber":10,"temp":100,"hum":88}
event_1	{"randomNumber":93,"temp":93,"hum":63}

```
{
  "randomNumber": random(0, 100),
  "temp": random(90, 110),
  "hum": random(60, 100)
}
```

NODE RED:

The screenshot shows the Node-RED web interface in a browser window. The URL is `node-red-yscnj-2022-11-13.au-syd.mybluemix.net/red/#flow/6dddeb05c4c6264a`. The interface includes a left sidebar with a 'filter nodes' search bar and a 'network' category expanded, showing various input/output nodes like 'mqtt in', 'http in', 'websocket in', etc. The main workspace displays 'Flow 1' with a complex flow diagram. It starts with a 'msg payload' node, followed by a 'function' node, a 'switch' node, and several other 'function' nodes. These are connected to 'http request' nodes, which then connect to 'msg payload' nodes and an 'http' node. There are also 'LIGHT ON', 'LIGHT OFF', 'MOTOR ON', and 'MOTOR OFF' nodes connected to a 'msg payload' node. The right sidebar shows a 'debug' console with logs for the flow, including timestamps and JSON payloads. The bottom of the browser shows a Windows taskbar with various application icons.

The screenshot shows the IBM Cloud console interface for the application 'Node RED YSCNJ 2022-11-13'. The application is in a 'Running' state. The 'Overview' tab is selected, showing the 'Instances' section with a health status of '100%' and '1/1 instance(s) are running'. The 'Runtime' section shows a 'Node.js' runtime with a '256' MB memory allocation. The 'Runtime cost' section shows a slider for 'MB memory per instance' ranging from 0 to 1792, with a current value of 256. The 'Connections (1)' section is also visible. The top of the console shows the 'Resource list' and 'Search resources and products...' bar. The bottom of the console shows a Windows taskbar with various application icons.

OBJECT STORAGE:

The screenshot shows the IBM Cloud Object Storage 'Buckets' page. The left sidebar contains navigation links: Cloud Object Storage, Storage instances, Cloud Object Storage-90, Buckets (selected), Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area is titled 'Buckets' and includes a search bar, a 'Create bucket' button, and a table of existing buckets.

Name	Public access ⓘ	Location ⓘ	Storage class	Created
starry	No	jp-tok	Standard	2022-11-15 2:56 PM

CLOUDANT:

The screenshot shows the IBM Cloud Cloudant instance details page for 'node-red-ogoaf-2022--cloudant-1668166080007'. The page is divided into tabs: Manage, Overview (selected), Capacity, and Docs. The 'Overview' tab displays deployment details in a table format.

Deployment details	
CRN	crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/421c5b1ee841414ba6ff99bb717f2d98:23c1373c-3e17-465c-a6c4-22cf8440ff81::
Location	London
External endpoint	https://3a7e7b05-3c45-4d96-a75e-b456e05f3eb6-bluemix.cloudant.com
External endpoint (preferred)	https://3a7e7b05-3c45-4d96-a75e-b456e05f3eb6-bluemix.cloudantnosqldb.appdomain.cloud
Authentication methods	IBM Cloud IAM and Cloudant credentials Migrate to IAM Only
Activity Tracker event types ⓘ	Management Save

