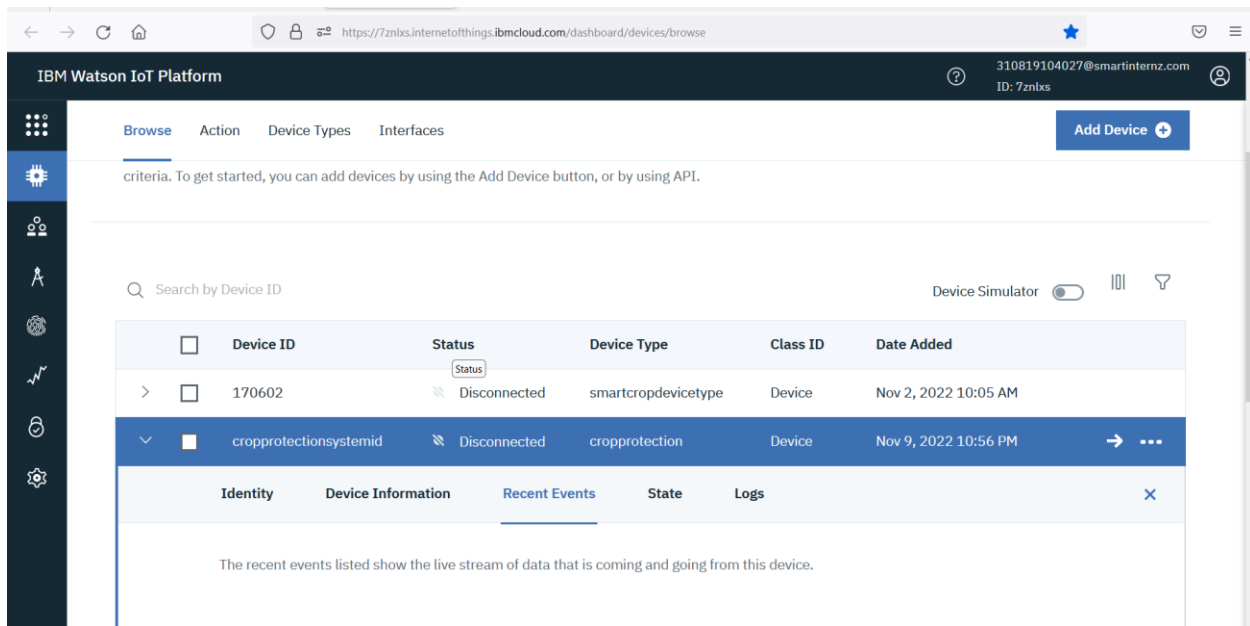


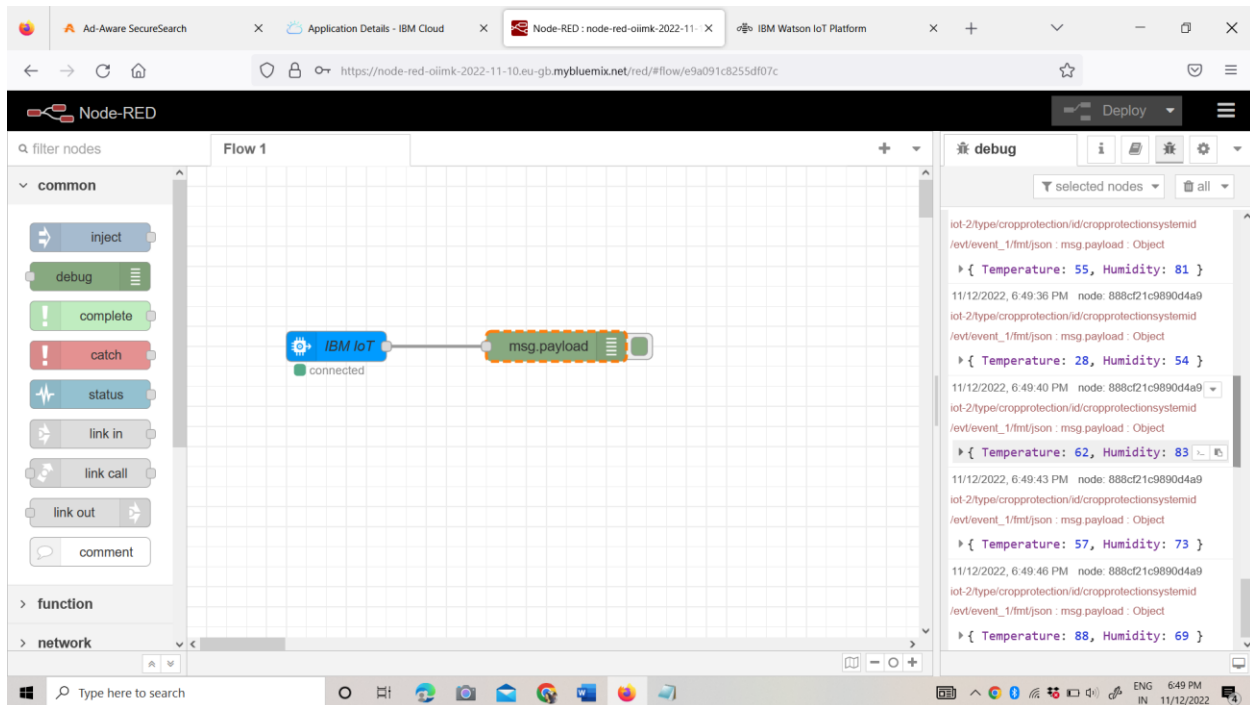
## Create IBM Watson IoT Platform and Device:



The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes "Browse", "Action", "Device Types", and "Interfaces". A sidebar on the left contains various icons for navigation. The main content area displays a table of devices with columns: Device ID, Status, Device Type, Class ID, and Date Added. Two devices are listed: "170602" (smartcropdevicetype) and "cropprotectionssystemid" (cropprotection). The "cropprotectionssystemid" device is selected, and its details are shown in a modal window with tabs for Identity, Device Information, Recent Events, State, and Logs. The "Recent Events" tab is active, showing a stream of data.

Device ID	Status	Device Type	Class ID	Date Added
170602	Disconnected	smartcropdevicetype	Device	Nov 2, 2022 10:05 AM
cropprotectionssystemid	Disconnected	cropprotection	Device	Nov 9, 2022 10:56 PM

## Create Node-Red Service:



The screenshot shows the Node-RED interface. The left sidebar contains a "filter nodes" search bar and a list of nodes categorized under "common", "function", and "network". The main workspace displays a flow with two nodes: "IBM IoT" (connected) and "msg.payload". The right sidebar shows the "debug" console with a list of selected nodes and a log of messages. The log shows a series of messages with a timestamp of 11/12/2022, 6:49:36 PM, and a node ID of 888cf21c9890d4a9. The messages are JSON objects containing temperature and humidity data.

```
iot-2/type/cropprotection/id/cropprotectionssystemid  
/ev/event_1/fmt/json : msg.payload : Object  
  { Temperature: 55, Humidity: 81 }  
11/12/2022, 6:49:36 PM node: 888cf21c9890d4a9  
iot-2/type/cropprotection/id/cropprotectionssystemid  
/ev/event_1/fmt/json : msg.payload : Object  
  { Temperature: 28, Humidity: 54 }  
11/12/2022, 6:49:40 PM node: 888cf21c9890d4a9  
iot-2/type/cropprotection/id/cropprotectionssystemid  
/ev/event_1/fmt/json : msg.payload : Object  
  { Temperature: 62, Humidity: 83 }  
11/12/2022, 6:49:43 PM node: 888cf21c9890d4a9  
iot-2/type/cropprotection/id/cropprotectionssystemid  
/ev/event_1/fmt/json : msg.payload : Object  
  { Temperature: 57, Humidity: 73 }  
11/12/2022, 6:49:46 PM node: 888cf21c9890d4a9  
iot-2/type/cropprotection/id/cropprotectionssystemid  
/ev/event_1/fmt/json : msg.payload : Object  
  { Temperature: 88, Humidity: 69 }
```

## Create a Database in Cloudant DB:

The screenshot shows the Cloudant Dashboard interface. The browser address bar displays the URL: `https://8ad9018b-a6fe-4f9c-a59e-27b41ead73ab-bluemix.cloudant.com/dashboard.html#database/cropprotection/_all_docs`. The left sidebar contains navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main content area shows the 'cropprotection' database with a table view of documents. The table has columns for 'id', 'key', and 'value'. A single document is visible with the following data:

id	key	value
b4f52437865b289b63f2a7afb...	b4f52437865b289b63f2a7afb...	{"rev": "2-b401b2b910b90d4d..."}

At the bottom, it indicates 'Showing document 1 - 1. Documents per page: 20'.

## Create a Cloud Object Storage Service:

The screenshot shows the IBM Cloud Object Storage 'Buckets' page. The left sidebar lists navigation options: Cloud Object Storage, Storage instances, Cloud Object Storage-is, Buckets, Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area is titled 'Buckets' and includes a description: 'Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.' Below the description is a table with columns: Name, Public access, Location, Storage class, and Created. A single bucket named 'fervez' is listed.

Name	Public access	Location	Storage class	Created
fervez	No	jp-tok	Smart Tier	2022-11-06 2:25 PM

A 'Create bucket' button is visible in the top right corner of the table area.