

IoT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

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Project Development Phase: Sprint 1

STEP 1:

Create an account in IBM Watson.

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar is present, and an 'Add Device' button is in the top right. The main content area shows a table of devices. One device is selected, and its details are shown in a sidebar. The device is named 'Smartcrop' and has a status of 'Disconnected'. The details sidebar shows the following information:

Identity	Device Information	Recent Events	State	Logs
Device ID	12345			
Device Type	Smartcrop			
Date Added	Nov 7, 2022 12:51 PM			
Added By	613519106032@smartinternz.com			
Connection Status	Disconnected			
	Last Connected: Nov 8, 2022 3:27 PM			
	Client Address: 157.49.87.235 SecureToken			
	Duration: 5 minutes			
	Data Transferred: 23.7 KB			

A notification at the bottom right states '1 Simulation running'.

STEP 2:

Create an account in Cloud Object Storage.

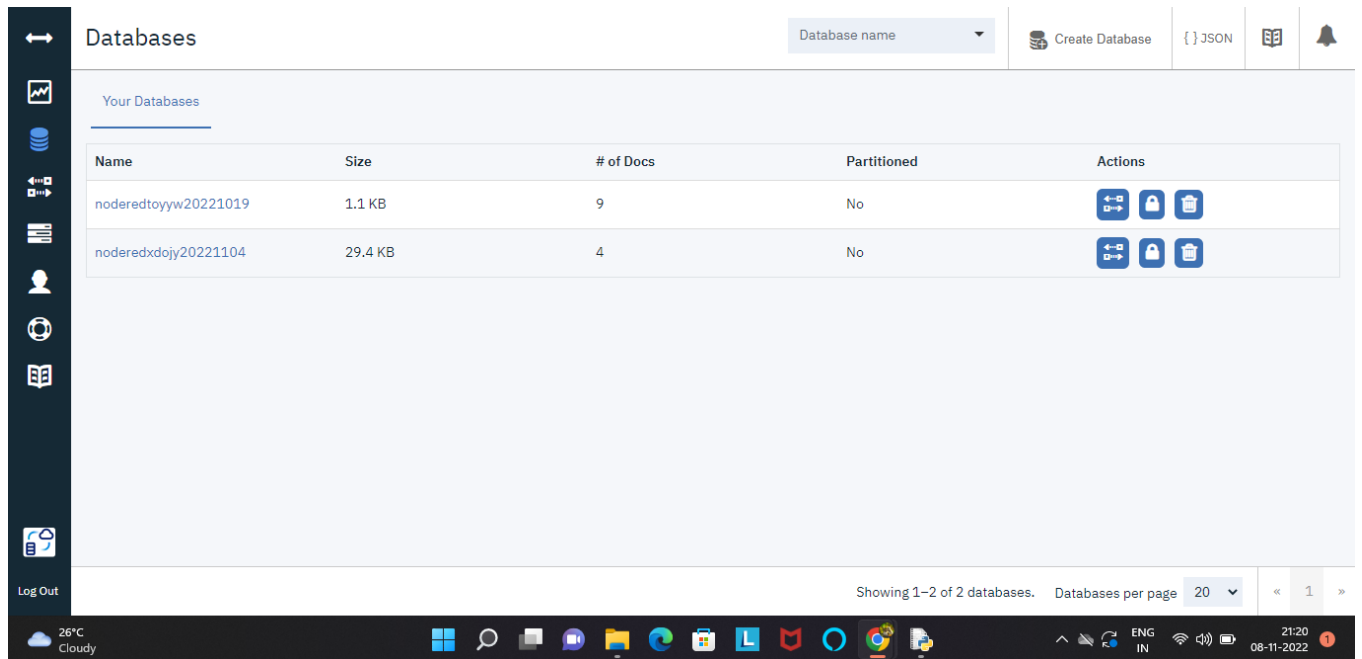
The screenshot displays the IBM Cloud interface. The left sidebar shows the navigation menu with 'Cloud Object Storage' selected. The main content area shows the 'Buckets' section. A description states: 'Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.' Below this, there is a table of buckets. One bucket is listed:

Name	Public access	Location	Storage class	Created
samplestoragebucket123	Yes	jp-tok	Smart Tier	2022-11-04 9:00 PM

A 'Create bucket' button is visible in the top right of the bucket list.

STEP 3:

Create an account in Cloudant Database.

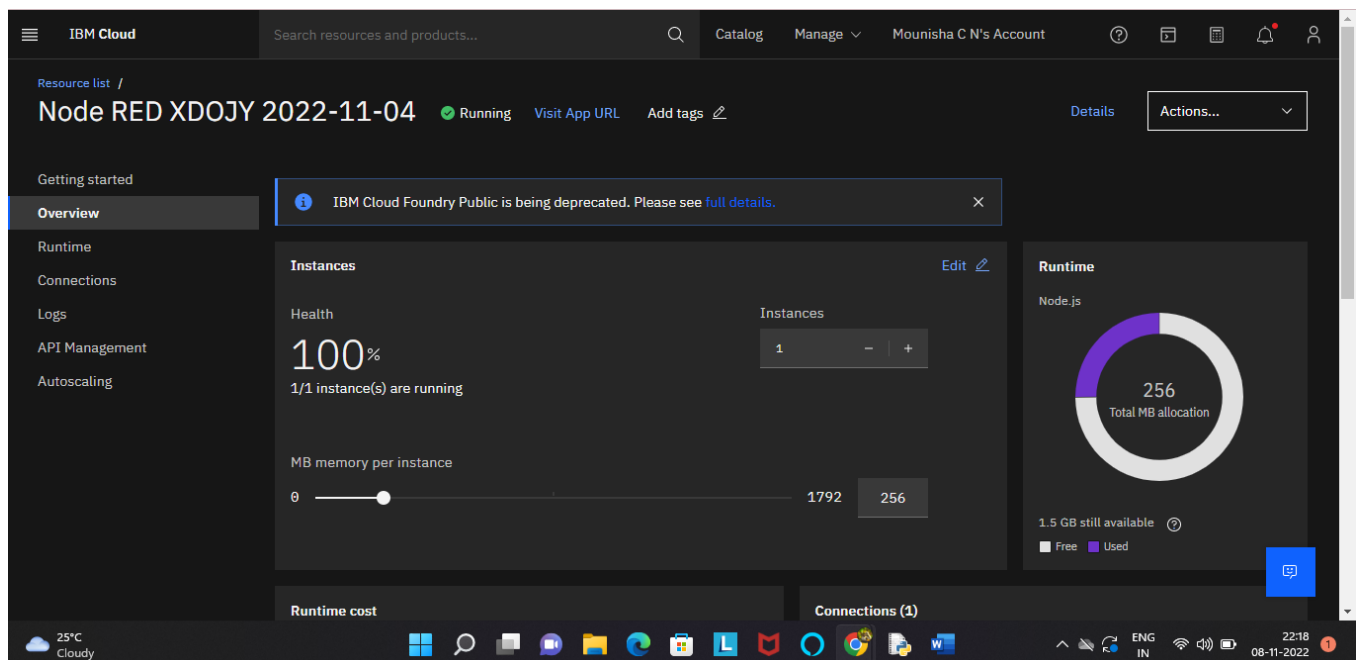


The screenshot shows the Cloudant Databases management console. On the left is a dark sidebar with navigation icons. The main area is titled 'Databases' and contains a table of existing databases. At the top right, there are buttons for 'Create Database', a JSON icon, and a notification bell. Below the table, it says 'Showing 1-2 of 2 databases.' and 'Databases per page 20'. The Windows taskbar at the bottom shows the date as 08-11-2022 and time as 21:20.

Name	Size	# of Docs	Partitioned	Actions
noderedtoyw20221019	1.1 KB	9	No	[Icons for edit, lock, delete]
noderedxdojy20221104	29.4 KB	4	No	[Icons for edit, lock, delete]

STEP 4:

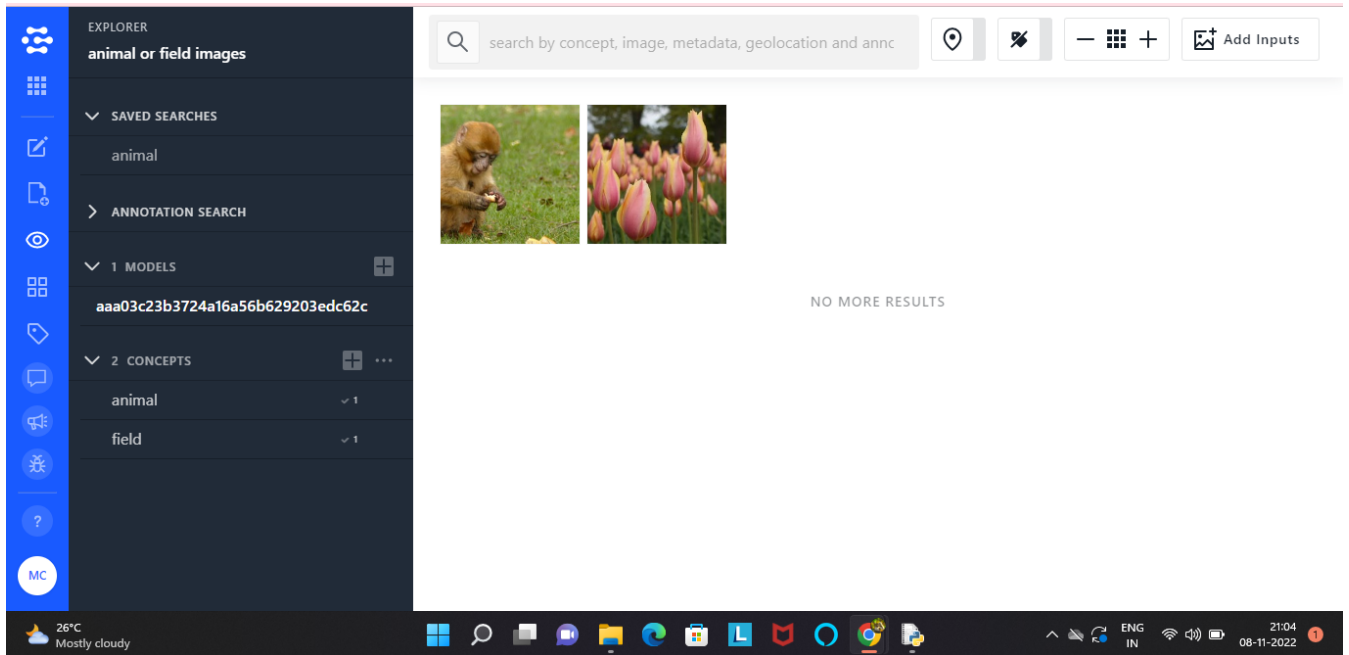
Create an account in Node-Red.



The screenshot shows the IBM Cloud console interface for a resource named 'Node RED XDOJY 2022-11-04'. The status is 'Running'. The left sidebar has a menu with options like 'Overview', 'Runtime', 'Connections', 'Logs', 'API Management', and 'Autoscaling'. The main area displays the 'Overview' tab, which includes a 'Health' indicator at 100%, a slider for 'Instances' set to 1, and a 'Runtime' section showing a donut chart for 'Total MB allocation' of 256 MB. A message at the top states 'IBM Cloud Foundry Public is being deprecated'. The Windows taskbar at the bottom shows the date as 08-11-2022 and time as 22:18.

STEP 5:

Create an account in Clarifai Service.



STEP 6:

Create an account in Text to Speech in IBM service.

