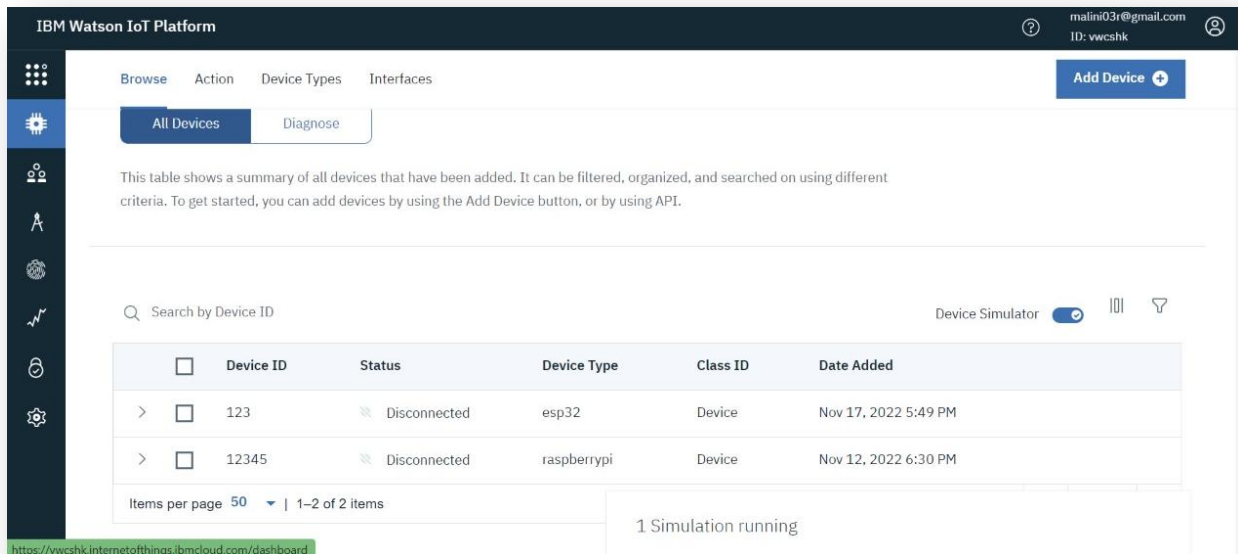


CREATE IBM WATSON IOT PLATFORM & DEVICE :

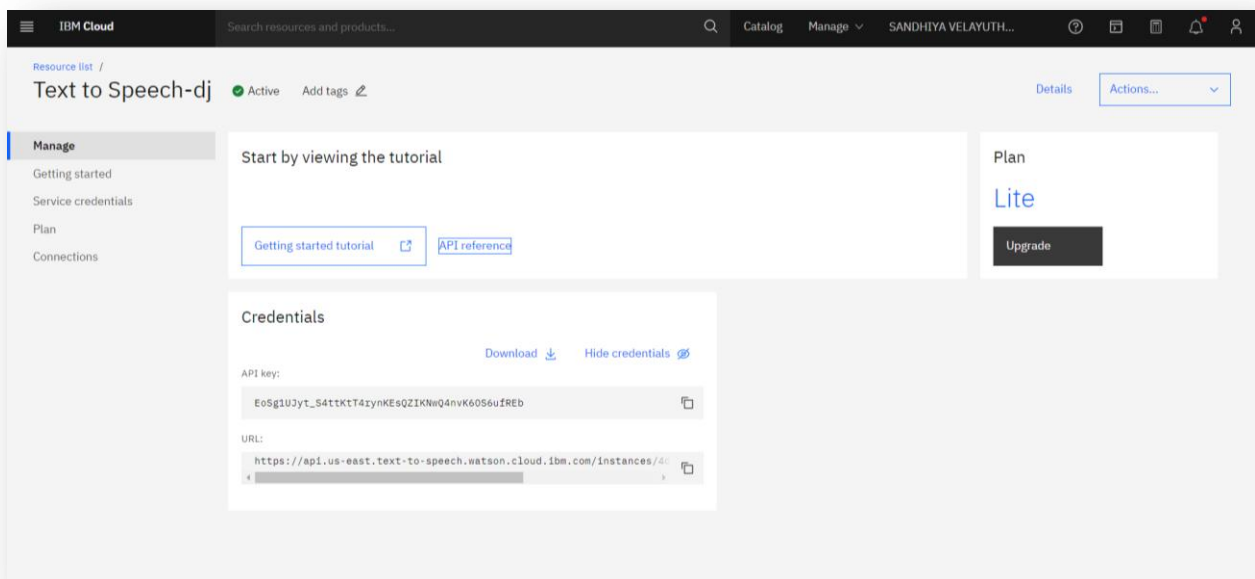


The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons. The main content area has tabs for 'All Devices' and 'Diagnose'. A text block explains that the table shows a summary of all devices added, which can be filtered, organized, and searched. Below this is a search bar labeled 'Search by Device ID' and a 'Device Simulator' toggle switch. A table lists two devices:

	Device ID	Status	Device Type	Class ID	Date Added
>	123	Disconnected	esp32	Device	Nov 17, 2022 5:49 PM
>	12345	Disconnected	raspberrypi	Device	Nov 12, 2022 6:30 PM

At the bottom, it shows 'Items per page 50' and '1-2 of 2 items'. A status bar at the bottom indicates '1 Simulation running'.

CREATE TEXT TO SPEECH SERVICE :



The screenshot shows the IBM Cloud 'Text to Speech-dj' service management page. The page is titled 'Text to Speech-dj' and is marked as 'Active'. It includes a 'Manage' sidebar with options like 'Getting started', 'Service credentials', 'Plan', and 'Connections'. The main content area has a 'Start by viewing the tutorial' section with links for 'Getting started tutorial' and 'API reference'. Below this is a 'Credentials' section showing the API key and URL. The API key is 'EoSg1U3yt_S4ttKtT4zynKE6QZIKNwQ4nvK60S6ufREb' and the URL is 'https://api.us-east.text-to-speech.watson.cloud.ibm.com/instances/40...'. On the right, there is a 'Plan' section showing the 'Lite' plan with an 'Upgrade' button.

CREATE NODE-RED SERVICE:

The screenshot shows the IBM Cloud console interface for a service named 'node-red-app-20221117134356219'. The service is in a 'Running' state. The left sidebar contains navigation links: 'Getting started', 'Overview' (selected), 'Runtime', 'Connections', 'Logs', 'API Management', and 'Autoscaling'. The main content area displays the 'Overview' tab with the following information:

- Instances:** Health is 100%, indicating 1/1 instance(s) are running. A slider for 'GB memory per instance' is set to 1 GB.
- Runtime:** A donut chart shows 1 GB total allocation, with 1 GB still available (Free) and 0 GB used (Used).
- Runtime cost:** Current and estimated cost excludes connected services, showing US\$ 0.00.
- Connections:** 0 connections are shown.

A notification banner at the top states: 'IBM Cloud Foundry Public is being deprecated. Please see full details.'

CREATE A DATABASE IN CLOUDANT DB:

The screenshot shows the Cloudant console interface. The top navigation bar includes a 'Database name' dropdown, a 'Create Database' button, and icons for JSON, a document, and a bell. The main content area is titled 'Your Databases' and contains a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
medicine	0 bytes	0	No	[Icons for create, update, delete, and lock]
node-red	0 bytes	0	No	[Icons for create, update, delete, and lock]

The bottom of the interface shows a 'Log Out' button and a pagination bar indicating 'Showing 1-2 of 2 databases. Databases per page 20'.