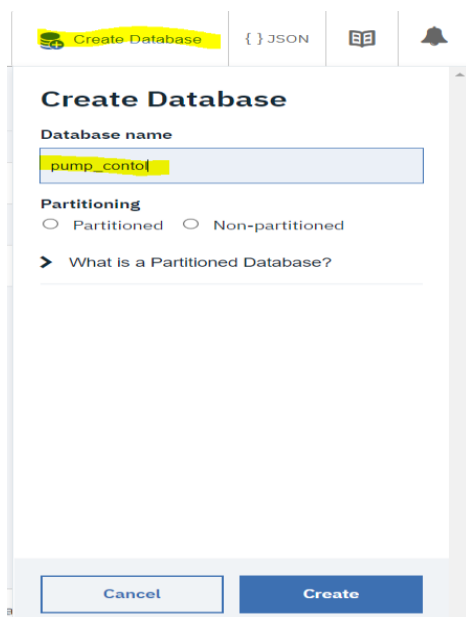


Assignment 5

Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB. you can use Form Nodes in dashboard nodes to take user input.

Creating Cloudant Database to collect the data of Pump control.



Create Database










Database name
pump_control

Partitioning
☐ Partitioned ☒ Non-partitioned

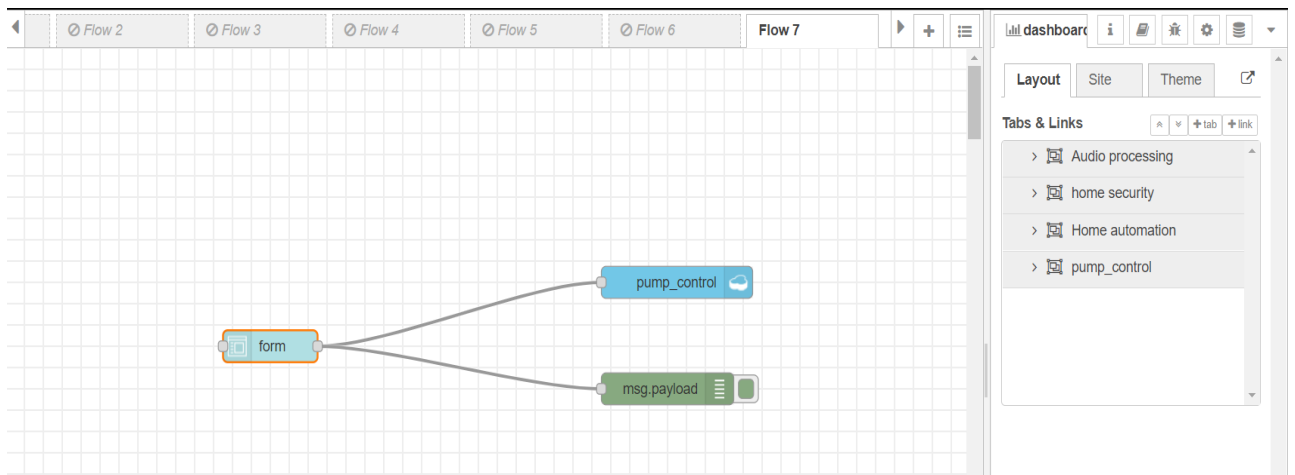
> What is a Partitioned Database?

Cancel Create

Note: use same database name in nodered flow to send the data.

Databases				
Database name ▼				
Create Database { } JSON				
Your Databases				
Name	Size	# of Docs	Partitioned	Actions
haridata	47.6 KB	4	No	  
pump_control	82 bytes	1	No	  
tocollectdata	0.5 KB	6	No	  

To send data from web ui to database:



Form node: (To enter the data in Ui)

Edit form node

Delete Cancel Done

Properties

Group [pump_control] date and time

Size auto

Label optional label

Form elements

	Label	Name	Type	Required	UiRows	Remove
≡	date	date	Text	<input checked="" type="checkbox"/>		
≡	time	time	Text	<input type="checkbox"/>		

Cloudant Database Properties:

Edit cloudant out node

Delete

Cancel

Done

Properties

Service

haridata-cloudant-1625811821291-95578

▼

Database

pump_control

Operation

insert

▼

☐ Only store msg.payload object?

Name

Name

Web UI:

<https://haridata.eu-gb.mybluemix.net/ui/#/0?socketid=T--rGkQtn7PipDtQAAAp>

be

ontrol

date and time

Enter input to control pump

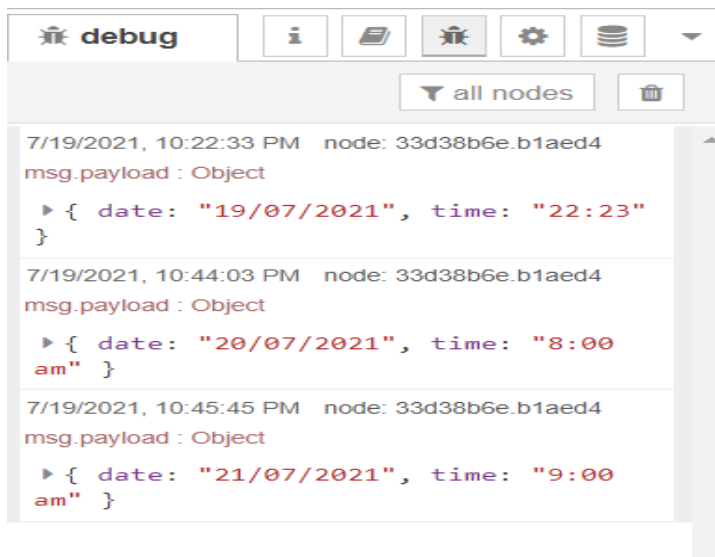
date
21/07/2021

time
9:00 am

SUBMIT

CANCEL

Output in nodered debug and Cloudant database documents:






7/19/2021, 10:22:33 PM node: 33d38b6e.b1aed4
msg.payload : Object
▶ { date: "19/07/2021", time: "22:23" }

7/19/2021, 10:44:03 PM node: 33d38b6e.b1aed4
msg.payload : Object
▶ { date: "20/07/2021", time: "8:00 am" }

7/19/2021, 10:45:45 PM node: 33d38b6e.b1aed4
msg.payload : Object
▶ { date: "21/07/2021", time: "9:00 am" }

Documents:

<div><div></div><div>Table Metadata {}JSON</div><div>Create Document</div></div>			
	id	key	value
<input type="checkbox"/>	 4b3c93fefbd7446b56d35e50db0bf7be	4b3c93fefbd7446b56d35e50db0bf7be	{ "rev": "1-5a4292f28c921caa8085214cdae93..." }
<input type="checkbox"/>	 6b1866e7eb952bd980d1dd82db0c71c5	6b1866e7eb952bd980d1dd82db0c71c5	{ "rev": "1-f48c941bb7debe15ea3360c609136..." }
<input type="checkbox"/>	 d2bfbd4881006351c59676b01507e7c2	d2bfbd4881006351c59676b01507e7c2	{ "rev": "1-e5bd50975cd032a75cf505e4b387..." }

pump_control > 4b3c93fefbd7446b56

Save Changes Cancel

```
1 {
2   "_id": "4b3c93fefbd7446b56d35e50db0bf7be",
3   "_rev": "1-5a4292f28c921caa8085214cdae93152",
4   "payload": {
5     "date": "21/07/2021",
6     "time": "9:00 am"
7   },
8   "socketid": "U_b0sGpUA4NT5NvvAAAq"
9 }
```

pump_control > 6b1866e7eb952bd980d1dd82db0c71c5

Save Changes Cancel

```
1 {
2   "_id": "6b1866e7eb952bd980d1dd82db0c71c5",
3   "_rev": "1-f48c941bb7debe15ea3360c6091363c2",
4   "payload": {
5     "date": "19/07/2021",
6     "time": "22:23"
7   },
8   "socketid": "T--rGkQtn7PipDtQAAAq"
9 }
```