

Safety Gadget for Child Safety Monitoring and Notification

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Project Development –Delivery of Sprint 3
Creating Cloudant DB and connecting to Node-Red
Create App in MIT App inventor

TITLE	IOT based child safety gadget for child safety monitoring and notification
DOMAIN NAME	INTERNET OF THINGS
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Create Cloudant DB:

Databases

Database name

Create Database

{ } JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
childsafety	0.6 MB	15767	No	
noderedknnqv20221107	34.3 KB	4	No	

Showing 1-2 of 2 databases. Databases per page 20

The screenshot shows the IBM Cloudant dashboard for a database named 'childsafety'. The interface includes a left sidebar with navigation options like 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area displays a table of documents with columns for 'id', 'key', and 'value'. The table contains 10 rows of document data. At the bottom, it indicates 'Showing document 1 - 20' and 'Documents per page: 20'.

id	key	value
000245d59da9ac61433e5f634f20f9...	000245d59da9ac61433e5f634f20f9...	{"rev": "1-e6b811f57ea970b95eac7...
000245d59da9ac61433e5f634f213...	000245d59da9ac61433e5f634f213...	{"rev": "1-5bd67a9dd5077c26203e...
000245d59da9ac61433e5f634f4fe7df	000245d59da9ac61433e5f634f4fe7df	{"rev": "1-ffedff57c99ea860cde31c3...
000245d59da9ac61433e5f634f506...	000245d59da9ac61433e5f634f506...	{"rev": "1-57b844b01fae28e70630e...
000245d59da9ac61433e5f634f508...	000245d59da9ac61433e5f634f508...	{"rev": "1-83bacc72c450f237855a7...
000245d59da9ac61433e5f634f50f5...	000245d59da9ac61433e5f634f50f5...	{"rev": "1-452b9a0e1fe9db26c9264...
000245d59da9ac61433e5f634f512...	000245d59da9ac61433e5f634f512...	{"rev": "1-476cd41ad5e8c74f5b2c6...
000245d59da9ac61433e5f634f514...	000245d59da9ac61433e5f634f514...	{"rev": "1-38b023705962b5ee4cdfa...
000245d59da9ac61433e5f634f51d...	000245d59da9ac61433e5f634f51d...	{"rev": "1-83bacc72c450f237855a7...
00078610ea6fd9b443a4b58549619...	00078610ea6fd9b443a4b58549619...	{"rev": "1-476cd41ad5e8c74f5b2c6...

Node-Red Service with Clodant DB:

The screenshot shows the Node-RED web interface in a browser. The main workspace displays a flow named 'Flow 1'. The flow starts with an 'IBM IoT' node (connected). It branches into several parallel paths, each leading to a 'function' node. These function nodes are connected to various output nodes: 'childsafety', 'msg.payload', 'Child name', 'gauge', 'Temperature', 'temp_status', 'Latitude', 'Child Zone', 'Longitude', and 'worldmap'. The 'worldmap' node is also connected. The right sidebar shows the 'debug' console with a log of messages, including timestamps and payloads. The bottom status bar shows the time as 10:01 PM on 11/10/2022.

Create App in MIT app inventor:

The screenshot shows the MIT App Inventor web interface. The central canvas displays a mobile app design for a phone (505,320 pixels). The app has a 'WELCOME' screen with a blue background, a hand holding a smartphone showing a map, and icons for a location pin, a hand, and a family. The left sidebar shows the 'User Interface' palette with various components like Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Slider, Spinner, Switch, TextBox, TimePicker, and WebViewer. The right sidebar shows the 'AboutScreen' properties, including AccentColor, AlignHorizontal, AlignVertical, AppName, BackgroundColor, BackgroundImage, BigDefaultText, BlocksToolkit, CloseScreenAnimation, DefaultFileScope, HighContrast, and Icon. The bottom status bar shows the time as 10:46 PM on 11/10/2022.

