

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
TEAM ID	PNT2022TMID30498

Create Cloudant DB:

The screenshot displays the Cloudant dashboard interface. The top navigation bar includes a 'Databases' section with a 'Database name' dropdown, a 'Create Database' button, and icons for JSON, a book, and a bell. Below this, the 'Your Databases' section shows a table of existing databases.

Name	Size	# of Docs	Partitioned	Actions
childsafety	0.6 MB	15767	No	[Icons for edit, lock, delete]
noderedknnqv20221107	34.3 KB	4	No	[Icons for edit, lock, delete]

Below the table, it indicates 'Showing 1-2 of 2 databases. Databases per page 20'. The bottom section shows the 'childsafety' database selected, with a 'Document ID' dropdown, 'Options' button, and JSON icon. The 'All Documents' tab is active, displaying a list of documents in a table format.

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..." }

At the bottom, it indicates 'Showing document 1 - 20. Documents per page: 20'. The Windows taskbar at the bottom shows the time as 10:40 PM on 11/10/2022.

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'. It starts with an 'IBM IoT' node (connected). This node branches into several parallel paths, each passing through a 'function' node before reaching a 'gauge' node. The paths are labeled: 'Child name', 'temp', 'temp_status', 'latitude', 'your_child_zone', and 'longitude'. Each 'gauge' node is connected to a corresponding 'msg.payload' node. A 'worldmap' node (connected 0) is also present at the bottom. The right sidebar shows the 'debug' console with several log entries, including JSON objects for child location and temperature data. The browser's address bar shows the URL: `node-red-knnqv-2022-11-07.au-syd.mybluemix.net/red/#flow/78f02f688dd8e1d2`.

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 smartphone. 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 lists various UI components like Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Slider, Spinner, Switch, TextBox, TimePicker, and WebViewer. The right sidebar shows the 'Properties' panel for the selected 'AboutScreen' component, with settings for AccentColor, AlignHorizontal, AlignVertical, AppName, BackgroundColor, BackgroundImage, BigDefaultText, BlocksToolkit, CloseScreenAnimation, DefaultFileScope, HighContrast, and Icon. The bottom status bar shows the phone size (505,320) and the time (10:46 PM on 11/10/2022).

