

SPRINT-3

IoT Device – Watson communication

The data from IoT device should reach IBM Cloud

(The data stored in IBM Cloud should be properly integrated with Cloudant DB)

The top screenshot shows the 'Browse Devices' page in the IBM Watson IoT Dashboard. It features a sidebar with navigation icons and a top bar with tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A 'Add Device' button is in the top right. The main content area has a 'Browse Devices' heading, two buttons ('All Devices' and 'Diagnose'), and a descriptive paragraph. Below is a search bar and a table of devices.

| Device ID | Status | Device Type | Class ID | Date Added | Descriptive Location |
|-----------|--------------|-------------|----------|----------------------|----------------------|
| 12345 | Disconnected | NodeMCU | Device | Nov 14, 2022 7:59 PM | |

The bottom screenshot shows the 'Event Stream' page for a device. It has a similar top bar and sidebar. The main content area has a heading 'Event Stream' and a descriptive paragraph. Below is a table of events.

| Event | Value | Format | Last Received |
|-------|-------------------|--------|-------------------|
| data | {"Warning":28.95} | json | a few seconds ago |
| data | {"Warning":28.95} | json | a few seconds ago |
| data | {"Warning":49.98} | json | a minute ago |
| data | {"Warning":49.98} | json | a minute ago |
| data | {"Warning":11.03} | json | a minute ago |

NODE RED-CLOUDANTDB COMMUNICATION:

All Documents

Query

Permissions

Changes

Design Documents

☐

Table

Metadata

{ } JSON

Create Document

| id | key | value |
|--|-------------------------------|-----------------------------------|
| <input type="checkbox"/> 0198213c192cb2c244cc2433f1... | 0198213c192cb2c244cc2433f1... | { "rev": "1-cde2dd17c519394df... |
| <input type="checkbox"/> 0198213c192cb2c244cc2433f1... | 0198213c192cb2c244cc2433f1... | { "rev": "1-d26c5b40891e13c6c... |
| <input type="checkbox"/> 0198213c192cb2c244cc2433f1... | 0198213c192cb2c244cc2433f1... | { "rev": "1-cde2dd17c519394df... |
| <input type="checkbox"/> 0198213c192cb2c244cc2433f1... | 0198213c192cb2c244cc2433f1... | { "rev": "1-f96eb0460bc16cfab0... |
| <input type="checkbox"/> 1a921f21cbe229b86f599acb45... | 1a921f21cbe229b86f599acb45... | { "rev": "1-7226f08794cd47b7c... |
| <input type="checkbox"/> 1a921f21cbe229b86f599acb45... | 1a921f21cbe229b86f599acb45... | { "rev": "1-1bbdd9a985bd56cf9... |
| <input type="checkbox"/> 20a854e5445fa818e6c1de049... | 20a854e5445fa818e6c1de049... | { "rev": "1-7226f08794cd47b7c... |
| <input type="checkbox"/> 20a854e5445fa818e6c1de049... | 20a854e5445fa818e6c1de049... | { "rev": "1-3ad288ecad57f039e... |
| <input type="checkbox"/> 20a854e5445fa818e6c1de049... | 20a854e5445fa818e6c1de049... | { "rev": "1-1bbdd9a985bd56cf9... |
| <input type="checkbox"/> 298ed6fhd9b3b815f5ac7c061e... | 298ed6fhd9b3b815f5ac7c061e... | { "rev": "1-a47240f6e5307a1b9... |

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