iotschema4Node-RED

iot.schema.org for Node-RED
Semantic Interoperability

- iot.schema.org embedded in Node-RED tool

- Easies use of semantics for WoT developers

- Simplify creation of applications with W3C WoT

- Demonstrates semantic discovery and processing

- Handsome tool for WoT PlugFests

Publishing iotschema Nodes to npm

- iotschema nodes are currently being adapted for publication on the npm repository

- This will allow iotschema Node-RED developers to easily find and access nodes without having to go via the GitHub route.

- Currently available:
  - 17 packages
  - Migration for packages A-C completed
  - D-W in progress

How to use npm with iotschema nodes

- Users can simply issue the `npm install` command from their Node-RED environment
  - Example: `npm install @iotschema/binaryswitch`
- Nodes are hosted on the npm reporitory and are browsable on npmjs.com

Publishing iotschema Nodes to npm – Grouping

- One umbrella module (iotschema-capability) to install all nodes
- More granular groups to install only specific types
  - Example:

    @iotschema/ambientair-capability
       |
          └ @iotschema/nitrogenconcentration
          └ @iotschema/oxygenconcentration
          └ @iotschema/carbondioxideconcentration
          └ @iotschema/argonconcentration