Quickstart Guide IoT Platform Integrator

First start

When starting the IoT Platform Integrator the first time either via java -jar IoTPlatformIntegrator.jar or with a double click, the user is presented with a registration window as in Figure 1 below.

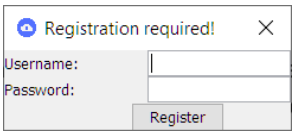

Figure 1: Registration Window

After entering a username and password and pressing the “Register” button with the mouse, the user is then forwarded to the main UI with the import perspective as visualized in Figure 2 below.

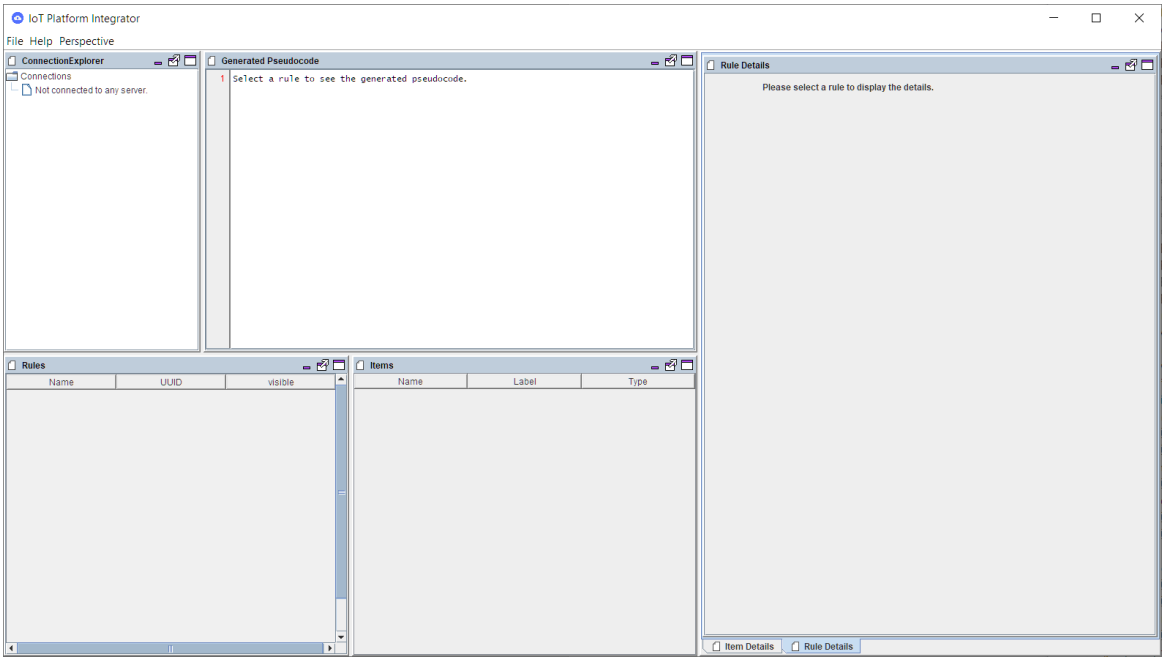

Figure 2: Main UI of the IoT Platform Integrator

The user is now logged in and connected to the knowledge base.

Connecting to a remote platform instance

To connect to a remote platform instance like OpenHAB, the URI of this platform has to be first defined in the settings. To do this, the user has to click on the File-menu and select settings, as shown in Figure 3.

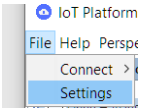

Figure 3: Opening the Settings Dialog

After that, the Settings Window as visualized in Figure 4 is shown.

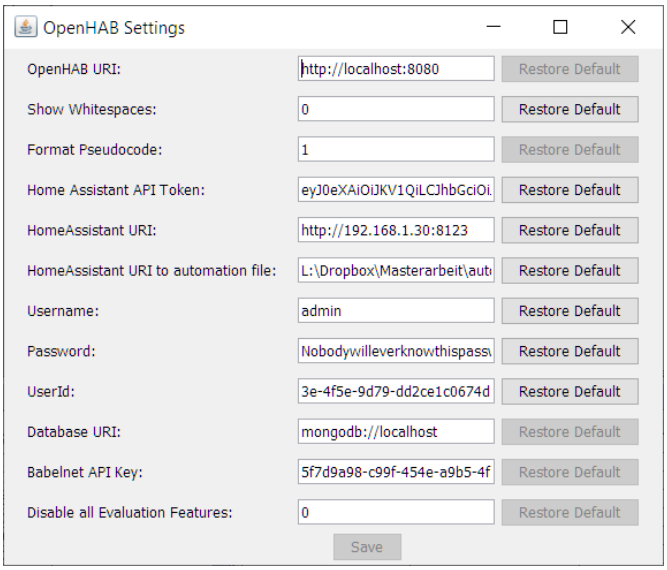

Figure 5: Settings Dialog

In this settings dialog, the user can change the OpenHAB URI as well as some other properties. After the correct URI was set up, the settings dialog can be closed. Now it is time to connect to eh OpenHAB instance via the File menu → Connect → OpenHAB as visualized in Figure 5 below.

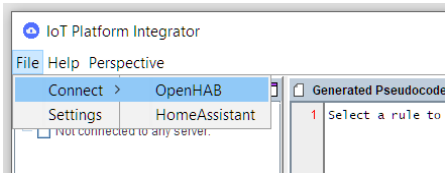

Figure 4: Connecting to OpenHAB

After that, the Platform appears in the Connection Explorer on the left and the items and rules from this platform are imported into their respective views as shown in Figure 6.

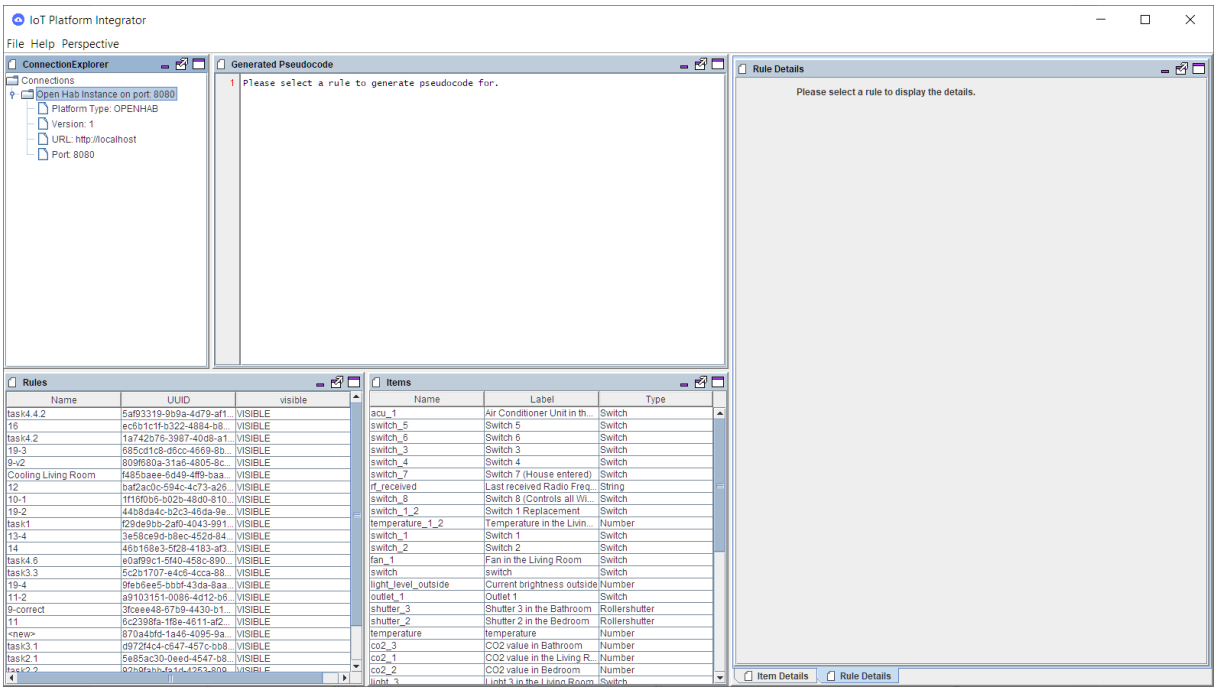

Figure 6: Main UI with the OpenHAB instance connected

The IoT Platform Integrator is now successfully connected to the running OpenHAB platform instance.

Inspecting a Rule

To inspect an already existing rule from a connected platform, the user has to click on it in the Rules Table in the bottom left corner. As visualized in Figure 7, the Pseudocode Editor and the Rule Details panel immediately show details about the newly selected rule.

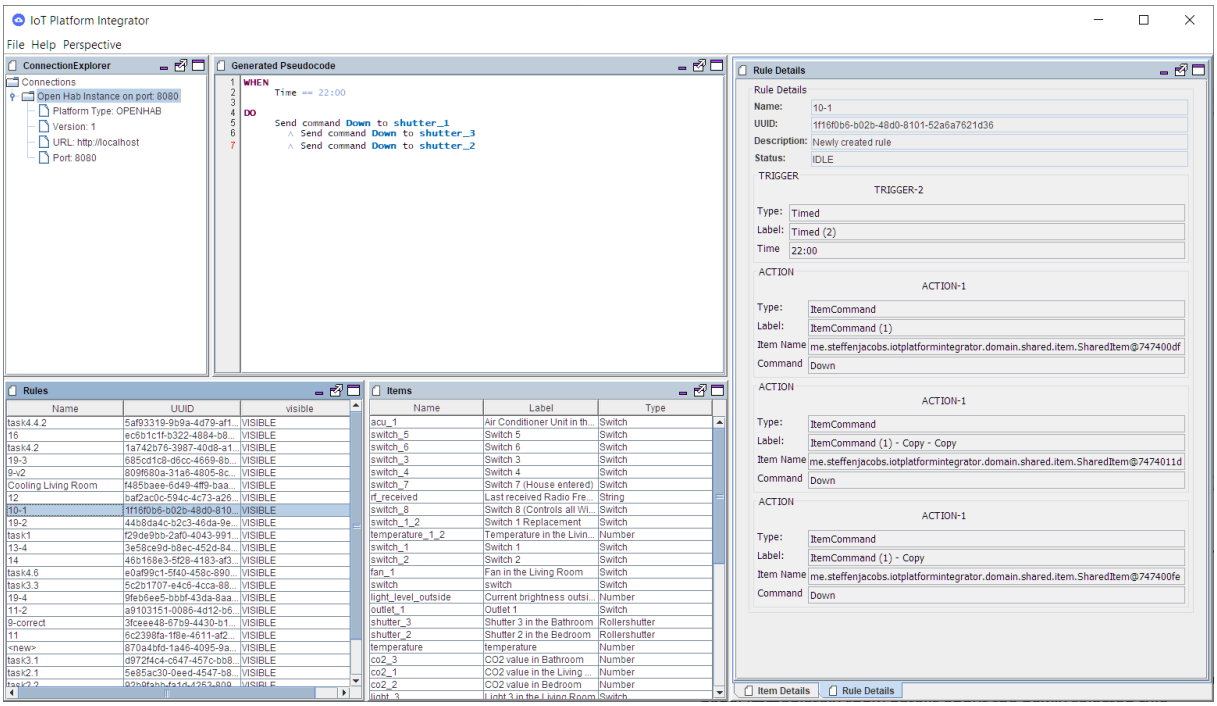

Figure 7: Main UI with selected Rule

Inspecting an Item

Analogous to inspecting a rule, to inspect an item, the user has to select the item in the Items table. To view the Item Details, the user has to use the tab control in the bottom right corner and switch from the Rule Details to the Item Details, as visualized in Figure 8 below.

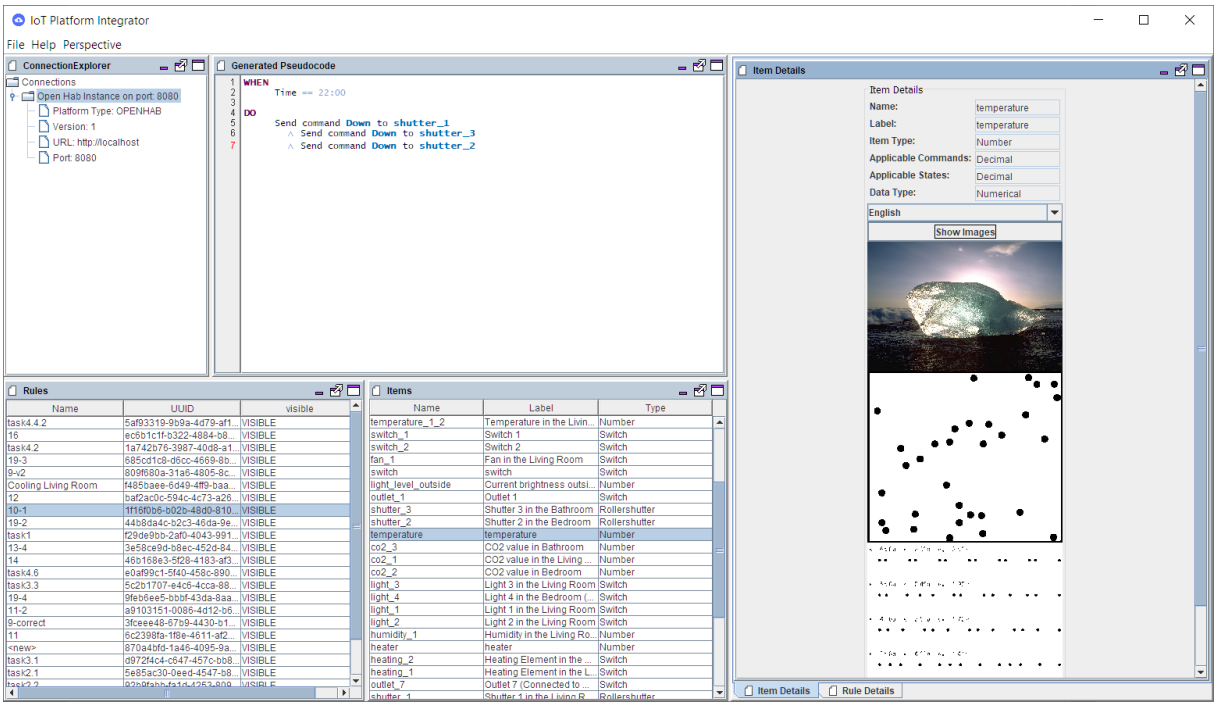

Figure 8: Main UI with selected Item and Item Details shown

Creating a new Revision of a Rule

To create a new revision of a rule, the user first has to switch into the adaption perspective via File → Perspective → Adaption Perspective. After that, something similar to the screenshot in Figure 9 is displayed.

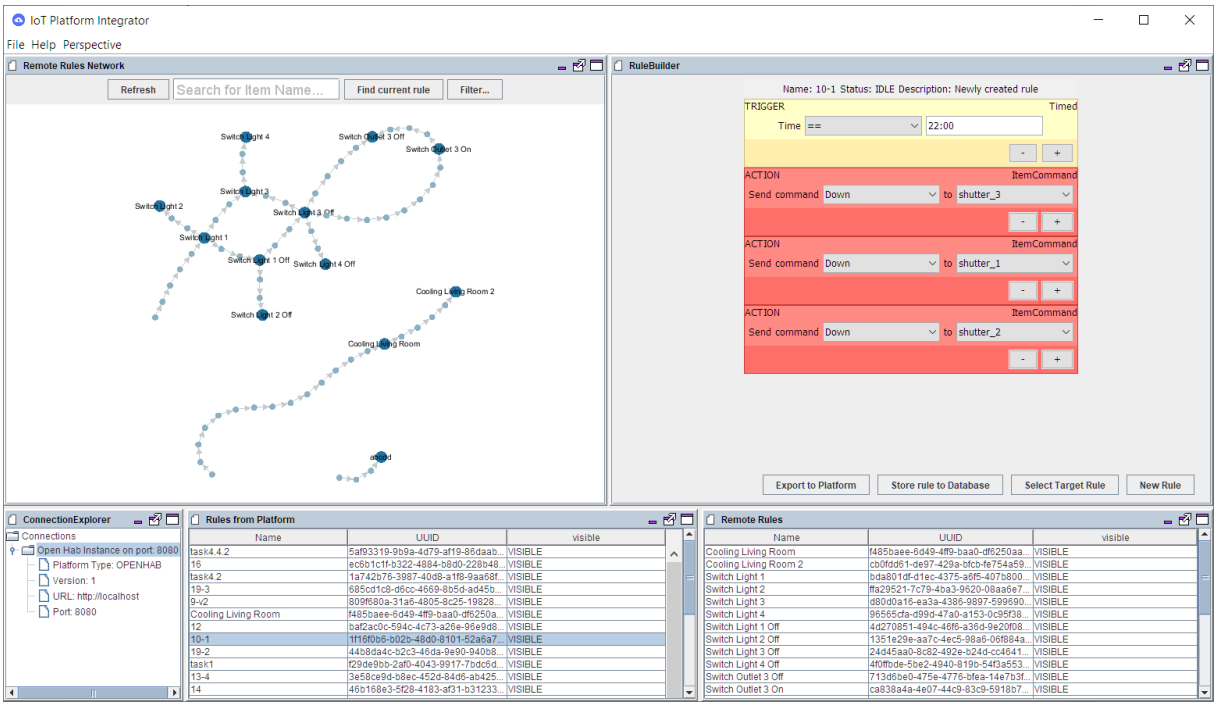

Figure 9: Adaption Perspective

The user can now change rule elements via the rule builder on the right, select a new rule from the knowledge base via the Remote Rules Network on the left or one of the tables below. To export a new rule to the connected platform instance, the user can click on the button labeled “Export to Platform”. To store a rule in the knowledge base, the user can click “Store rule to Database”. To create an entirely new rule from scratch, the user can click “New Rule”.

The user can find the current rule or a rule with a given item name via the Remote Rules Network. In addition to that, the user can filter the nodes displayed there to highlight special operation like deletions, creations or cosmetic updates like a description change.