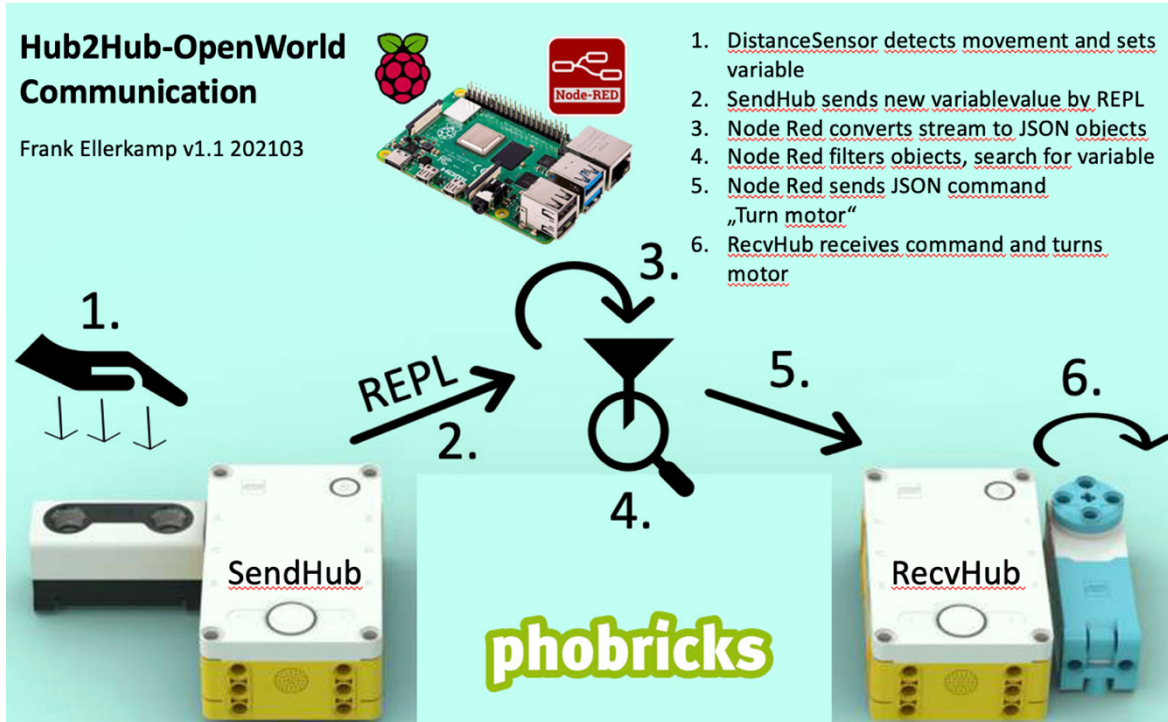


SPIKE Hub2Hub-Communication - OpenWorld RaspberryPI - Solution



Instruction:

1. Install latest SPIKE APP on your Smartdevice (PC, Mac, Tablet)
2. Prepare SPIKE Hubs
 - a. SenderHub: DistanceSensor on Port A
 - b. ReceiverHub: Motor on Port B
 - c. Install h2h_opeworld_***.lisp programs on hubs (download mode) (<https://github.com/PhoBricks/hub2hub>)
 - d. Close SPIKE App
3. Install BT/BLE communication for SPIKE on your RaspberryPi
<https://medium.com/ji-innovative-results/how-to-set-up-bluetooth-on-the-raspberry-pi-for-a-lego-spike-61b137f98673>
4. Configure serial communication for both SPIKE hubs (eg. /dev/rfcomm7 /dev/rfcomm8)
5. Install Node Red on your RaspberryPi
<https://nodered.org/docs/getting-started/raspberrypi>
6. Install serial port on Node Red
<https://flows.nodered.org/node/node-red-node-serialport>
7. Download, install and deploy NodeRed-Flow:
https://github.com/PhoBricks/hub2hub/blob/main/h2h_opeworld_nodered.json
8. Test it! Improve it! Share it!

Node Red Flow:

