

***Management System  
for  Gateways***

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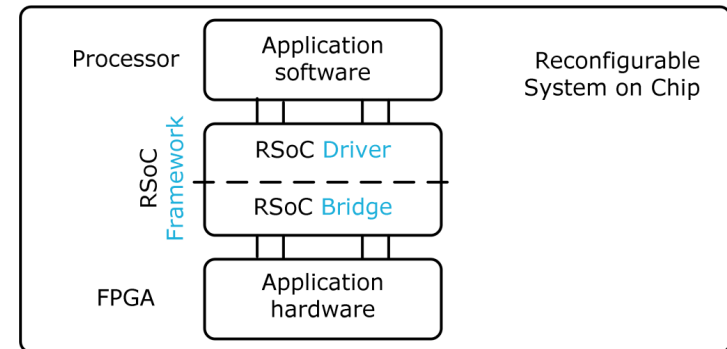
# Basic information

- **Czech**, privately held **company**
- Founded in 2013 by **8 researchers** from Brno University of Technology (BUT)
- Official **spin-off** company: „*sale of products based on technology from the BUT*“
- Won price „**Best cooperation of the year**“ from Czech technology agency (TACR)
- Offices: **Research Centre of Excellence - Faculty of Information Technology in Brno**



# Areas of interest

- **RSoC-Framework** ([www.RSoC-Framework.com](http://www.RSoC-Framework.com))
  - *Solves the communication between FPGA + ARM on same SoC according to the customer requirements*



- **Custom development and maintenance of Linux based embedded systems**
- **Support for the open-source project BeeeOn** ([www.BeeeOn.org](http://www.BeeeOn.org))
  - *Development of the universal „integration gateway“ for different „home automation“ sensors and actuators*



# Management System



- *The need for the **remote management of any „Linux device“***
- *Tool **for operators/administrators** of such boxes/devices*
- *Supports monitoring and **any update** of device (or devices in the group)*
- *Simple system, composed of two parts:*
  - **client**
    - Distributed as a binary file, package or source code (planned),
    - user-space application not depended on any third-party library,
    - easy to install on any Linux-based device,
    - actively asks (server back-end) for any update (package to be installed) and
    - reports required/available information through a SSL channel,
    - can be forced to utilize only encrypted updates on a device.
  - **cloud service**
    - Front-end available at **management.rehivetech.com** (*demo/demo*),
    - possibility for deployment „on premise“ is planned,
    - provides basic account and user management,
    - permissions and roles are planned.

# Management System for iQRF

- Supports **integration with iQRF network**
  - *if it is available on selected device*
- Useful for **management of brand new iQRF daemon**
  - *our client software communicate using daemon with iQRF nodes*
- Supports **monitoring** of iQRF nodes
  - *e.g. system information: zone, OS version, RSSI level, voltage level, ...*
- Supports **management** of all iQRF nodes
  - *e.g. bonding and unbonding, discovery,*
  - *updating and others is planned.*
- Allows to **view iQRF mesh network**



***Any other features/properties or ideas are welcome!***

**Thank you for your  
attention!**



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