Remote Management System

for IQRF gateways and other devices

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RehiveTech

Company 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 at **Faculty of Information Technology in Brno**

Areas of interest

- ***BeeeOn project*** *(www.BeeeOn.org)*
  - *Open software and hardware project @ FIT BUT*
  - *Main goal: development of the universal* ***„integration gateway“*** *for different* ***„home automation“*** *sensors and actuators*
  - *Supported technologies:* ***IQRF, Wi-Fi, Z-Wave, Bluetooth, and others***

Areas of interest

- ***Aurora*** *(www.AuroraHub.io)*
  - ***SmartLiving ecosystem*** *mainly for workspaces but also for homes*
  - *Project* ***supported by the Czech technology agency*** *(TACR)*
  - *Taken* ***all the best from BeeeOn*** *and expanded with:*
    - *Integrated* ***AI technology*** *(data analysis and prediction) and*
    - *effective (big) data storage, distribution, migration, etc.*

AURORAHUB

Areas of interest

- ***Management system***
  - *Tool for* ***operators / administrators / integrators***
  - *Supports* ***monitoring and remote update for any „Linux-based device“***
  - ***Grouping capability*** *for even better management and* ***IQRF support***
  - *It is composed of three parts:*
    - ***device software***
      - Distributed as package for well known devices/platforms (e.g. Rpi, Up-board, etc.),
      - user-space application → not depended on any third-party library → easy to install on any Linux-based device
    - ***cloud service***
      - Based on settings it makes direct secure SSL connection with device software
    - ***web interface***
      - front-end in modern responsible design,
      - provides all setings and user management,
      - available at: **management.rehivetech.com**

RehiveTech

Why anyone need such „management system“?

Management System

RehiveTech

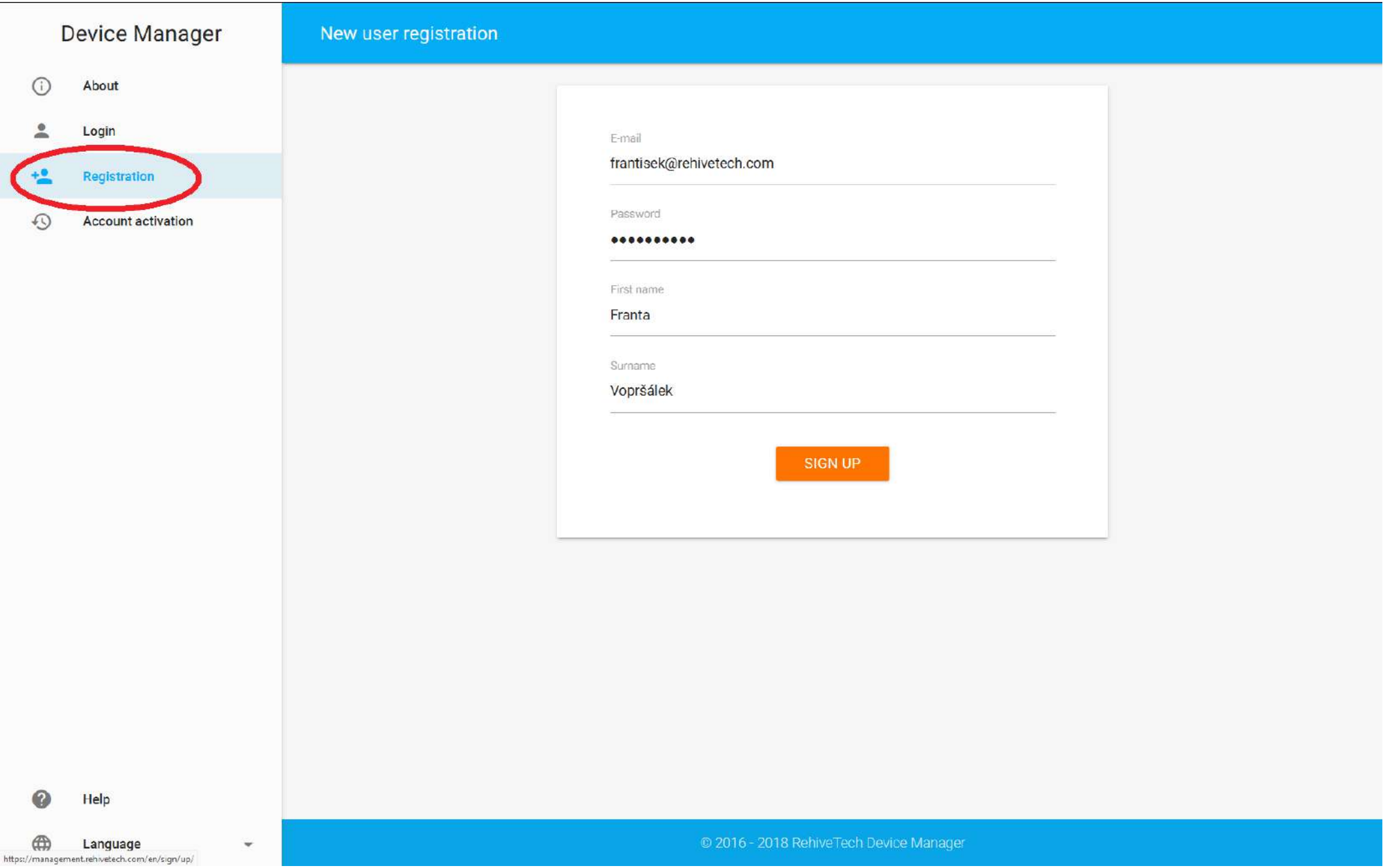
How do you monitor and get to know about your device status and/or its issues?

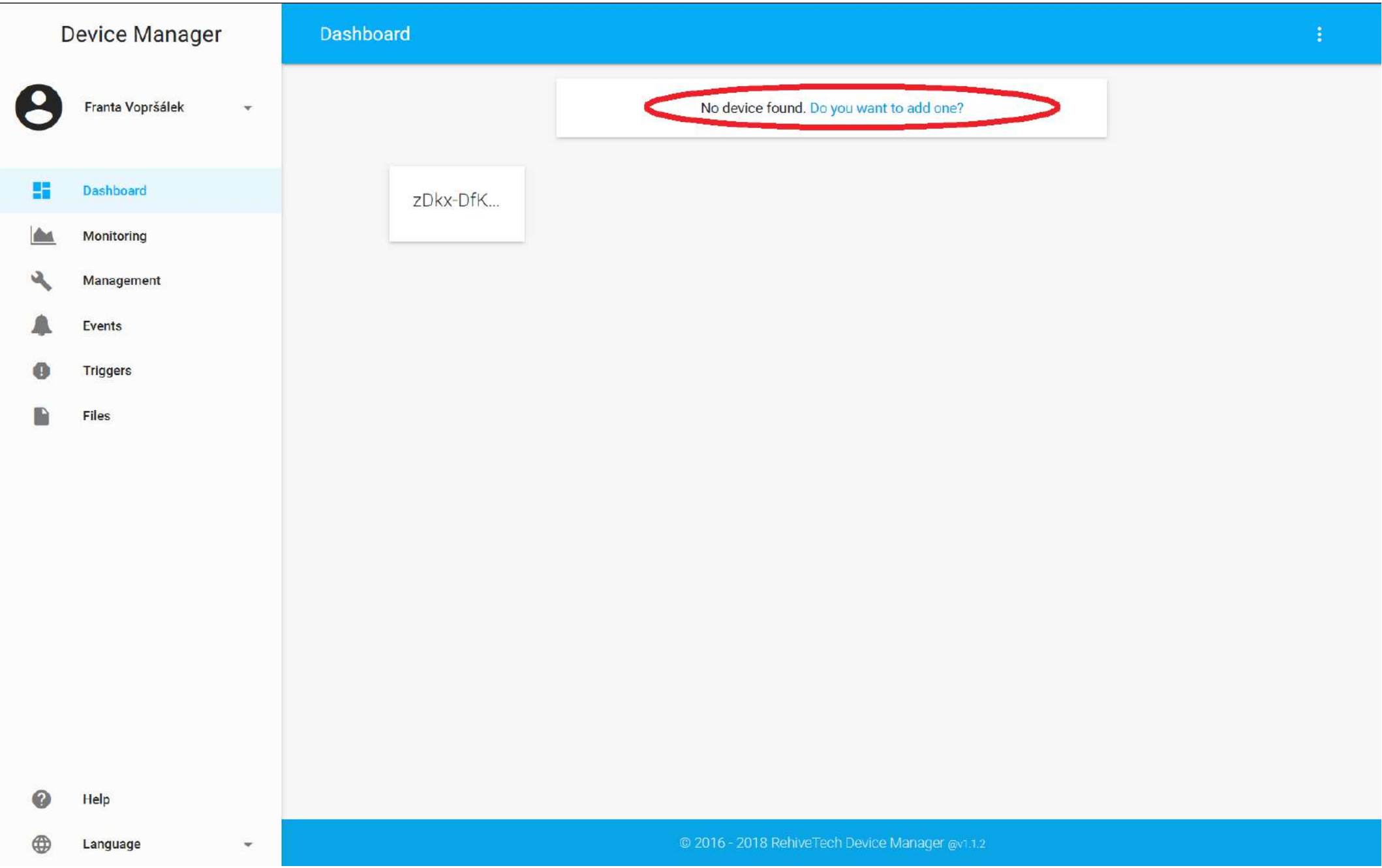
How do you repair and/or update your device software at the operation?

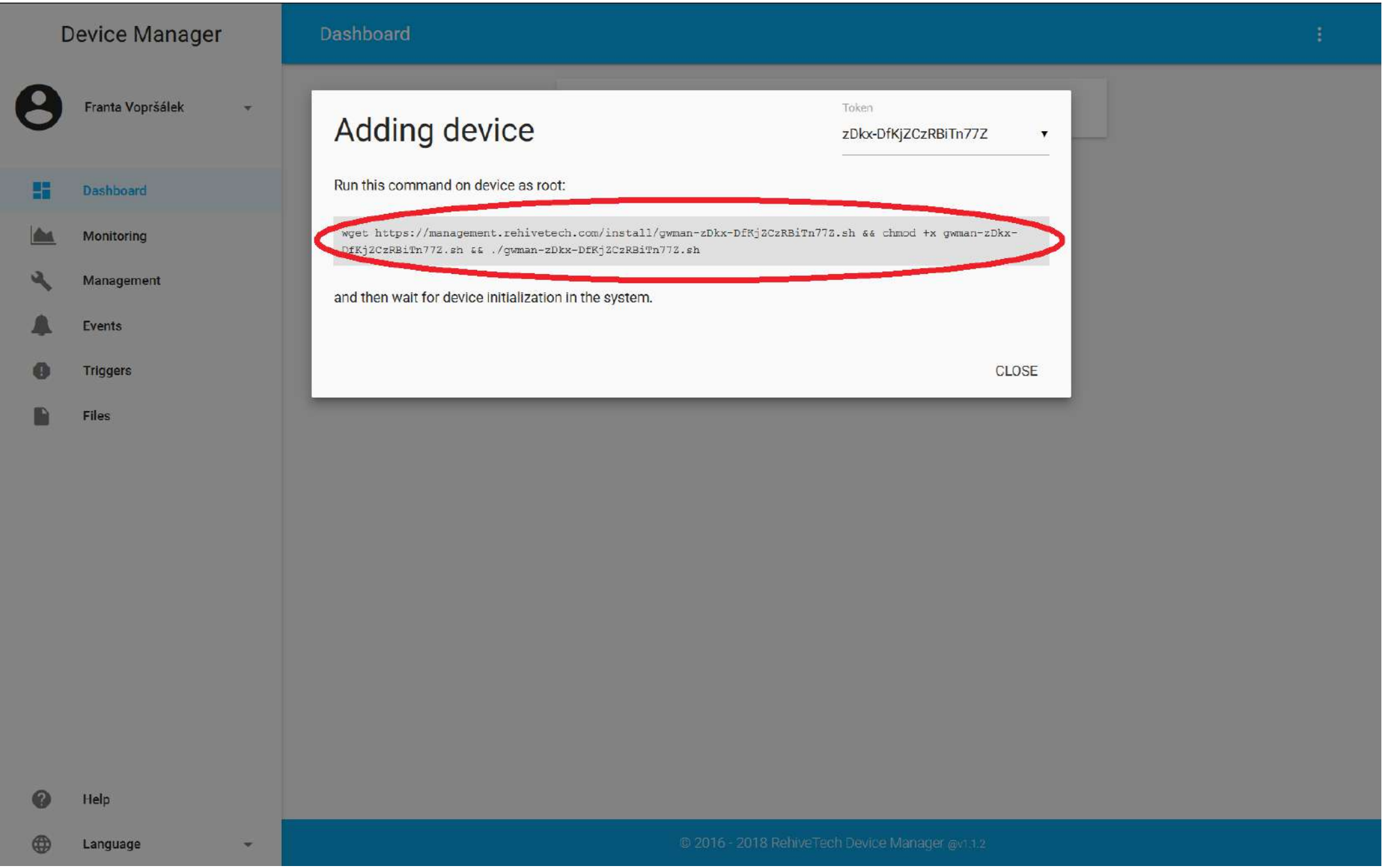
And how do you maintain tens or even hundreds of such devices?

Management System

*If you **want to know device state any time** and **do not want to repair device always in the field** - you definitely need some kind of remote management system!*


Device Manager
About
Login
Registration
Account activation
Help
Language
https://management.rehivetech.com/en/sign/up/
New user registration
E-mail
frantisek@rehivetech.com
Password
••••••••••
First name
Franta
Surname
Vopršálek
SIGN UP
© 2016 - 2018 RehiveTech Device Manager


Device Manager
Franta Vopršálek
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Dashboard
No device found. Do you want to add one?
zDkx-DfK...
© 2016 - 2018 RehiveTech Device Manager @v1.1.2


Device Manager
Dashboard
Franta Vopršálek
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Adding device
Token
zDkx-DfKjZCzRBiTn77Z
Run this command on device as root:
wget https://management.rehivetech.com/install/gwman-zDkx-DfKjZCzRBiTn77Z.sh && chmod +x gwman-zDkx-DfKjZCzRBiTn77Z.sh && ./gwman-zDkx-DfKjZCzRBiTn77Z.sh
and then wait for device initialization in the system.
CLOSE
© 2016 - 2018 RehiveTech Device Manager @v1.1.2

Device Manager

Pavol Korček

- Dashboard
- Monitoring
- Management
- Events
- Triggers
- Files

- Help
- Language

Dashboard

EO... 1 / 1

IQRF-DEM... 0 / 1

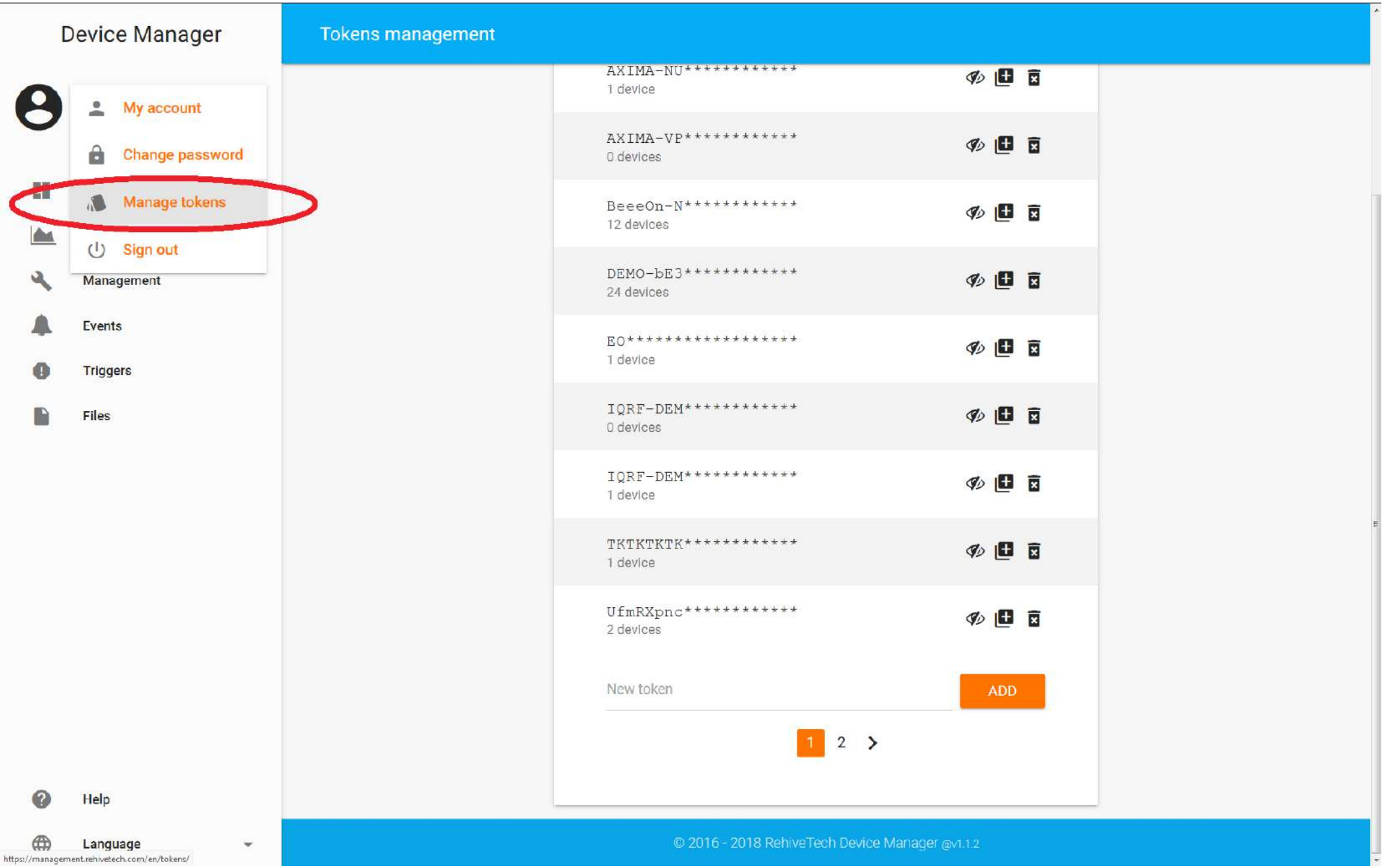
UfmRXpn... 0 / 2

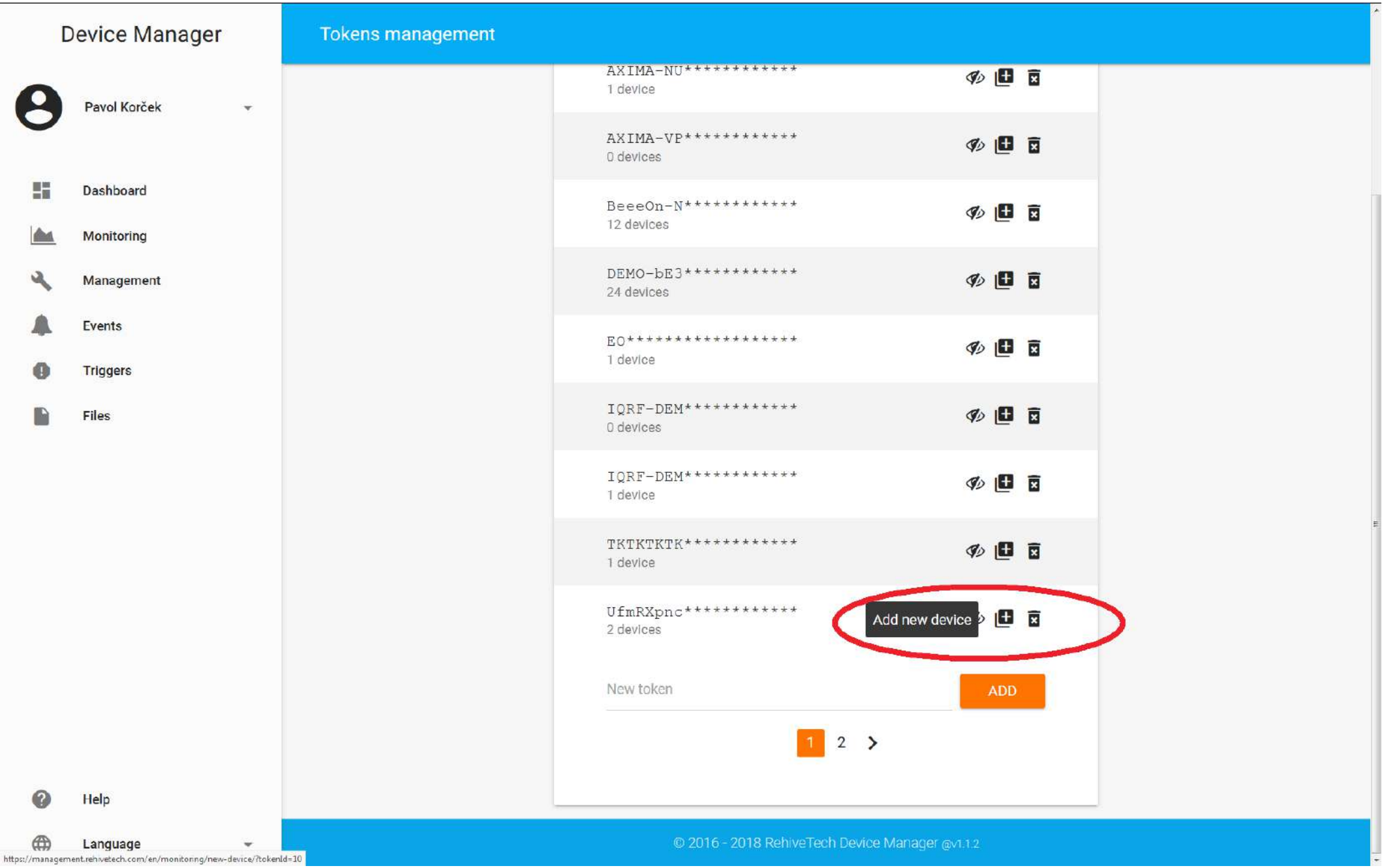
BeeeOn-N... 0 / 12

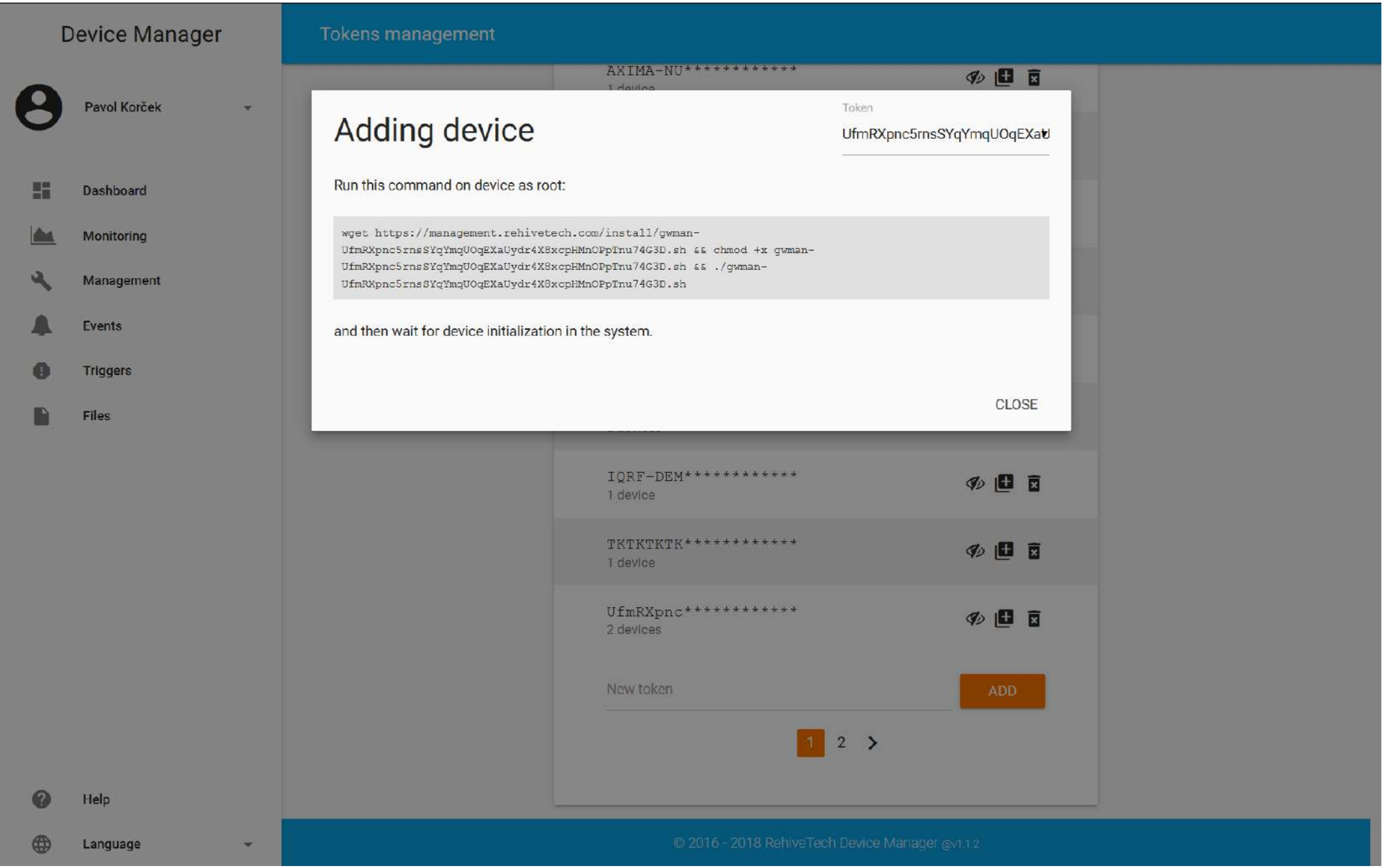
DEMO-bE... 22 / 24

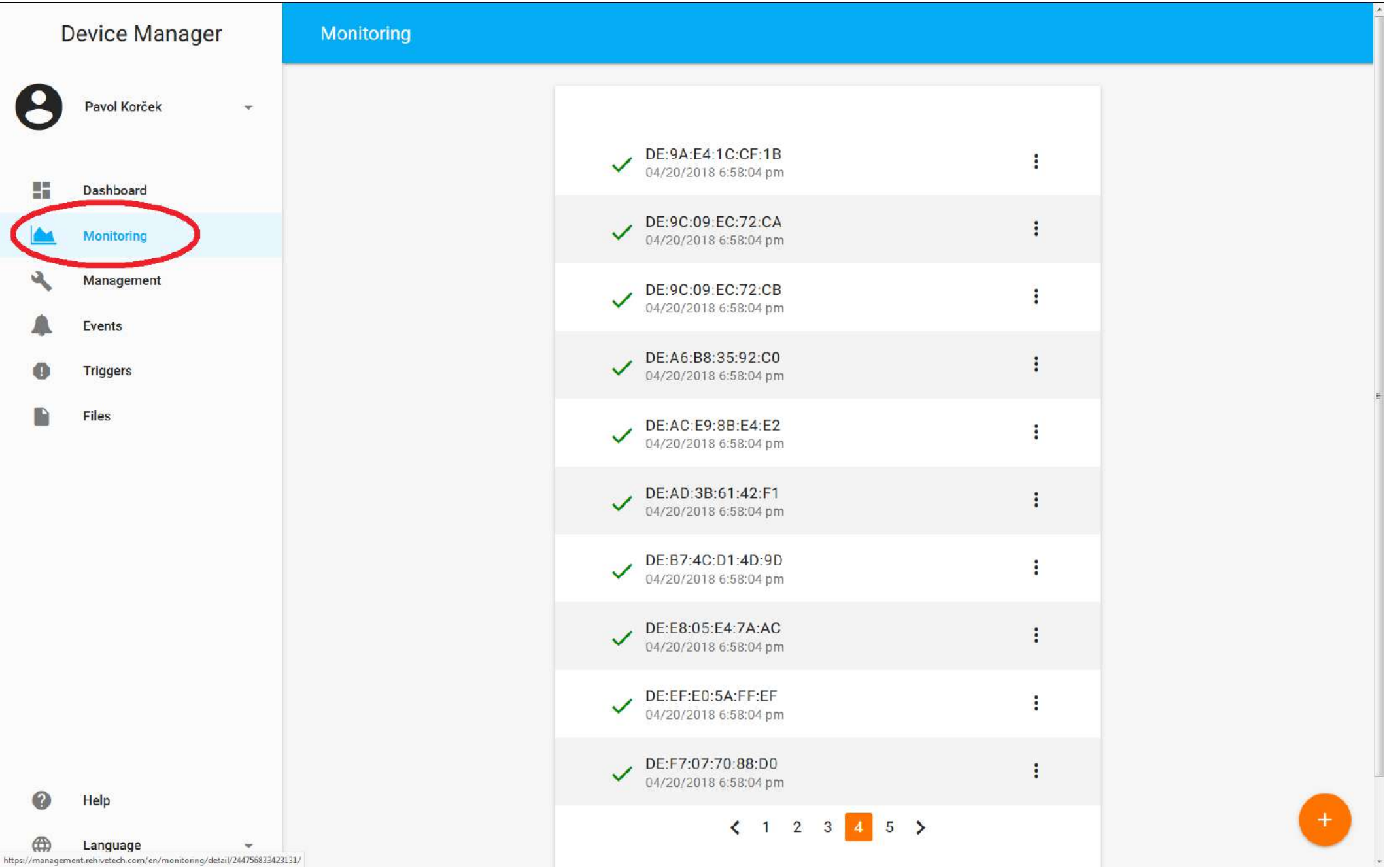
TKTKTKT... 0 / 1

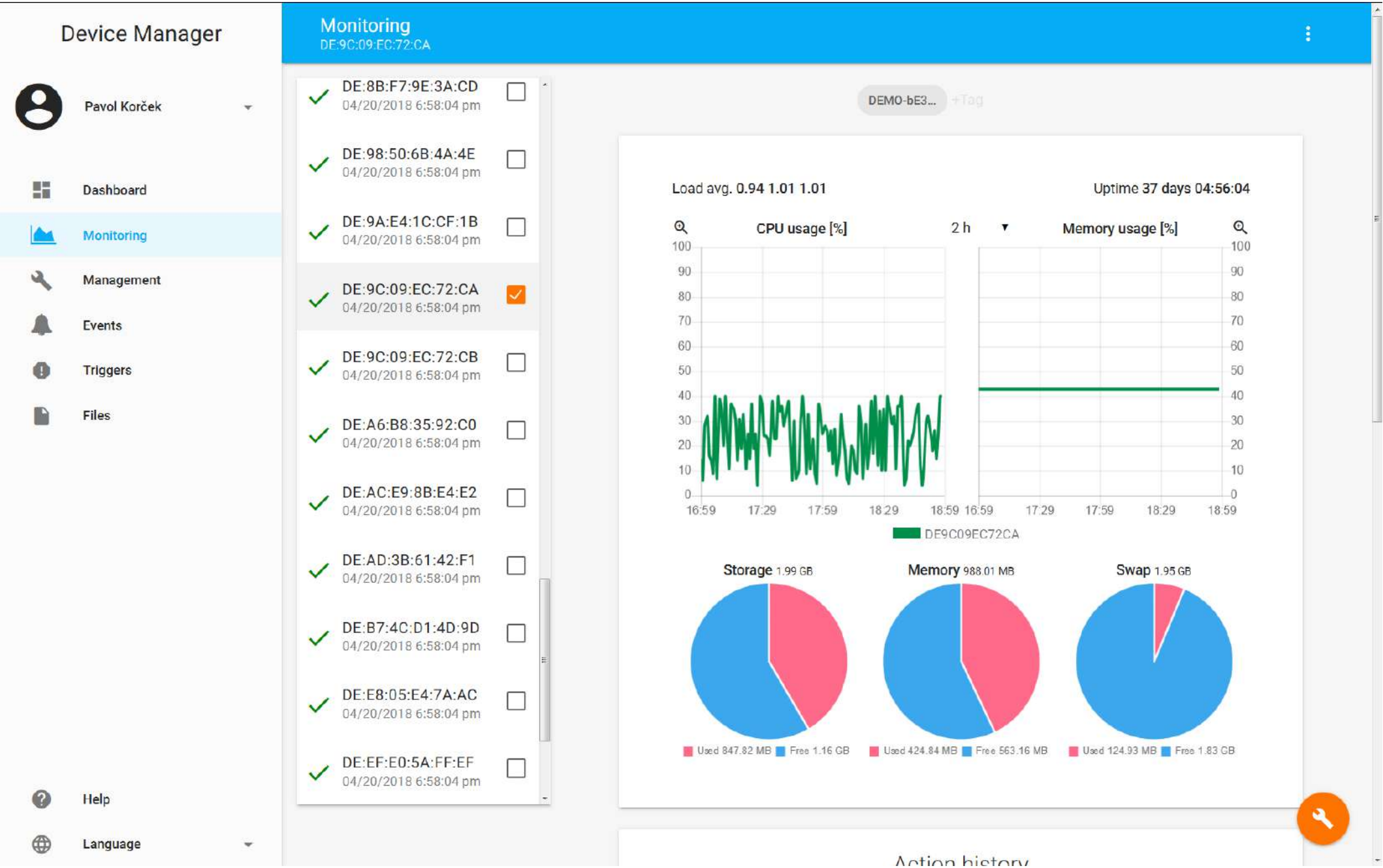
© 2016 - 2018 RehiveTech Device Manager @v1.1.2

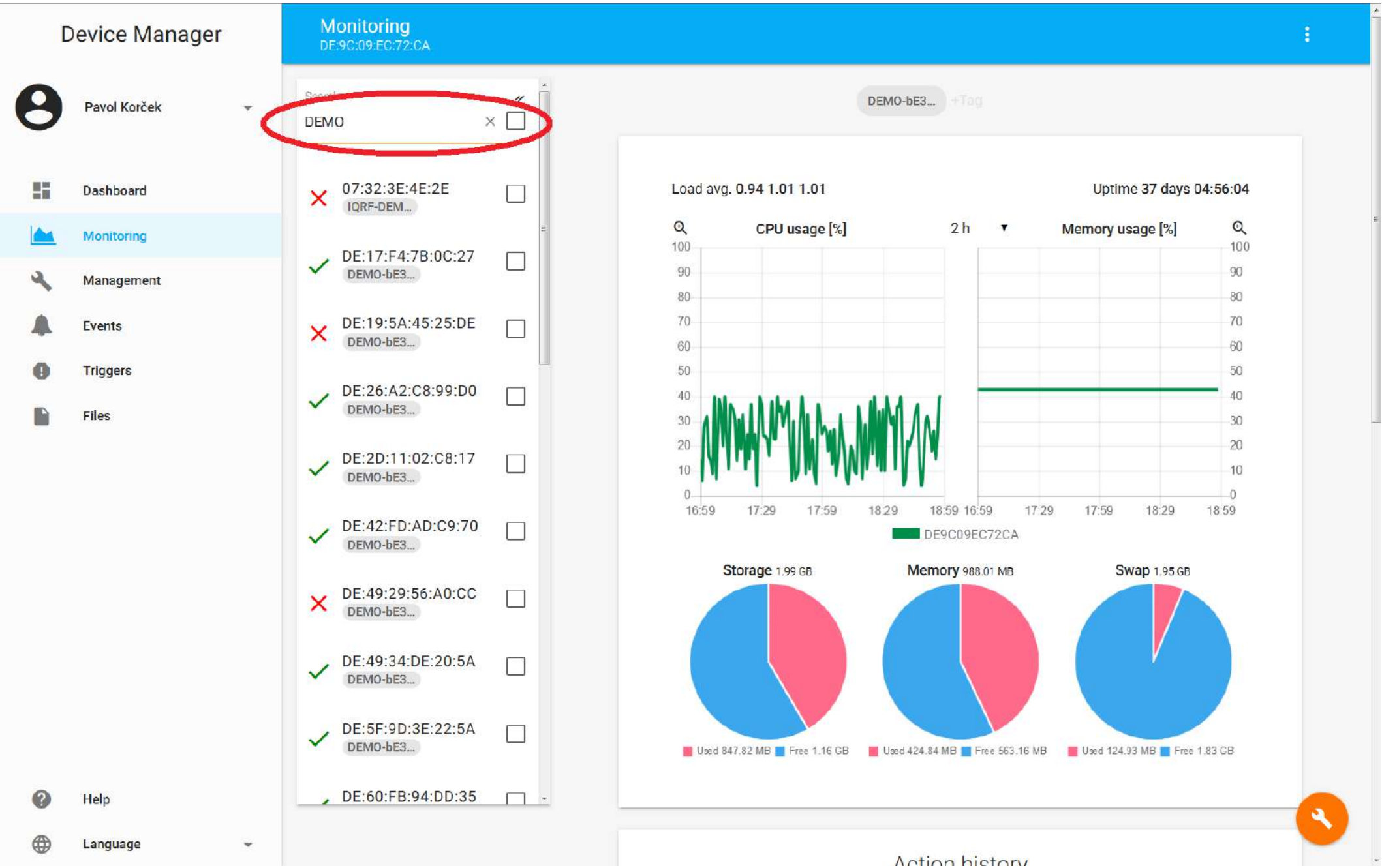

Device Manager
My account
Change password
Manage tokens
Sign out
Management
Events
Triggers
Files
Help
Language
https://management.rehivetech.com/en/tokens/
Tokens management
AXIMA-NU**********
1 device
AXIMA-VP**********
0 devices
BeeeOn-N**********
12 devices
DEMO-bE3**********
24 devices
EO**********
1 device
IQRF-DEM**********
0 devices
IQRF-DEM**********
1 device
TKTKTKTK**********
1 device
UfmRXpnc**********
2 devices
New token
ADD
1
2
© 2016 - 2018 RehiveTech Device Manager @v1.1.2


Device Manager
Tokens management
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
AXIMA-NU**********
1 device
AXIMA-VP**********
0 devices
BeeeOn-N**********
12 devices
DEMO-bE3**********
24 devices
EO**********
1 device
IQRF-DEM**********
0 devices
IQRF-DEM**********
1 device
TKTKTKTK**********
1 device
UfmRXpnc**********
2 devices
Add new device
New token
ADD
1
2
© 2016 - 2018 RehiveTech Device Manager @v1.1.2
https://management.rehivetech.com/en/monitoring/new-device/?tokenId=10


Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Tokens management
AXIMA-NU**********
1 device
Adding device
Token
UfmRXpnc5rnsSYqYmqUOqEXaU
Run this command on device as root:
wget https://management.rehivetech.com/install/gwman-UfmRXpnc5rnsSYqYmqUOqEXaUydr4X8xcpHMnOPpTnu74G3D.sh && chmod +x gwman-UfmRXpnc5rnsSYqYmqUOqEXaUydr4X8xcpHMnOPpTnu74G3D.sh && ./gwman-UfmRXpnc5rnsSYqYmqUOqEXaUydr4X8xcpHMnOPpTnu74G3D.sh
and then wait for device initialization in the system.
CLOSE
IQRF-DEM**********
1 device
TKTKTKTK**********
1 device
UfmRXpnc**********
2 devices
New token
ADD
1
2
© 2016 - 2018 RehiveTech Device Manager @v1.12


Device Manager
Monitoring
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
DE:9A:E4:1C:CF:1B
04/20/2018 6:58:04 pm
DE:9C:09:EC:72:CA
04/20/2018 6:58:04 pm
DE:9C:09:EC:72:CB
04/20/2018 6:58:04 pm
DE:A6:B8:35:92:C0
04/20/2018 6:58:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 6:58:04 pm
DE:AD:3B:61:42:F1
04/20/2018 6:58:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 6:58:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 6:58:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 6:58:04 pm
DE:F7:07:70:88:D0
04/20/2018 6:58:04 pm
1 2 3 4 5
https://management.rehivetech.com/en/monitoring/detail/244756833423131/


Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Monitoring
DE:9C:09:EC:72:CA
DE:8B:F7:9E:3A:CD
04/20/2018 6:58:04 pm
DE:98:50:6B:4A:4E
04/20/2018 6:58:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 6:58:04 pm
DE:9C:09:EC:72:CA
04/20/2018 6:58:04 pm
DE:9C:09:EC:72:CB
04/20/2018 6:58:04 pm
DE:A6:B8:35:92:C0
04/20/2018 6:58:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 6:58:04 pm
DE:AD:3B:61:42:F1
04/20/2018 6:58:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 6:58:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 6:58:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 6:58:04 pm
DEMO-bE3...
+Tag
Load avg. 0.94 1.01 1.01
Uptime 37 days 04:56:04
CPU usage [%]
2 h
Memory usage [%]
100
90
80
70
60
50
40
30
20
10
0
16:59
17:29
17:59
18:29
18:59
DE9C09EC72CA
Storage 1.99 GB
Memory 988.01 MB
Swap 1.95 GB
Used 847.82 MB
Free 1.16 GB
Used 424.84 MB
Free 563.16 MB
Used 124.93 MB
Free 1.83 GB
Action history


Device Manager
Monitoring
DE:9C:09:EC:72:CA
Pavol Korček
DEMO
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
07:32:3E:4E:2E
IQRF-DEM...
DE:17:F4:7B:0C:27
DEMO-bE3...
DE:19:5A:45:25:DE
DEMO-bE3...
DE:26:A2:C8:99:D0
DEMO-bE3...
DE:2D:11:02:C8:17
DEMO-bE3...
DE:42:FD:AD:C9:70
DEMO-bE3...
DE:49:29:56:A0:CC
DEMO-bE3...
DE:49:34:DE:20:5A
DEMO-bE3...
DE:5F:9D:3E:22:5A
DEMO-bE3...
DE:60:FB:94:DD:35
DEMO-bE3...
+Tag
Load avg. 0.94 1.01 1.01
Uptime 37 days 04:56:04
CPU usage [%]
2 h
Memory usage [%]
100
90
80
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50
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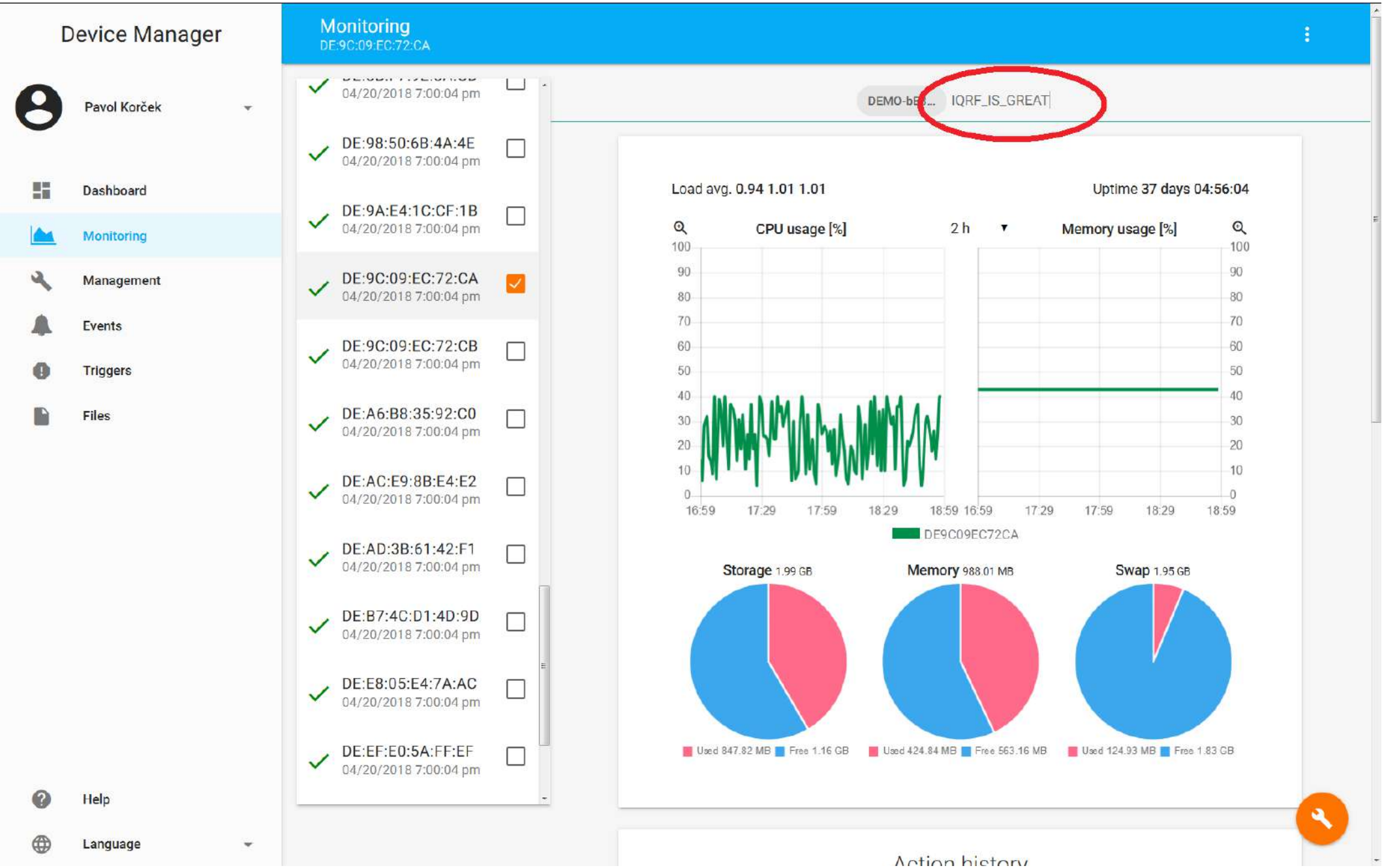
Action history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Dashboard
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Files
Help
Language
Monitoring
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm
DEMO-bE3...
IQRF_IS_GREAT
Load avg. 0.94 1.01 1.01
Uptime 37 days 04:56:04
CPU usage [%]
2 h
Memory usage [%]
100
90
80
70
60
50
40
30
20
10
0
16:59
17:29
17:59
18:29
18:59
DE9C09EC72CA
Storage 1.99 GB
Memory 988.01 MB
Swap 1.95 GB
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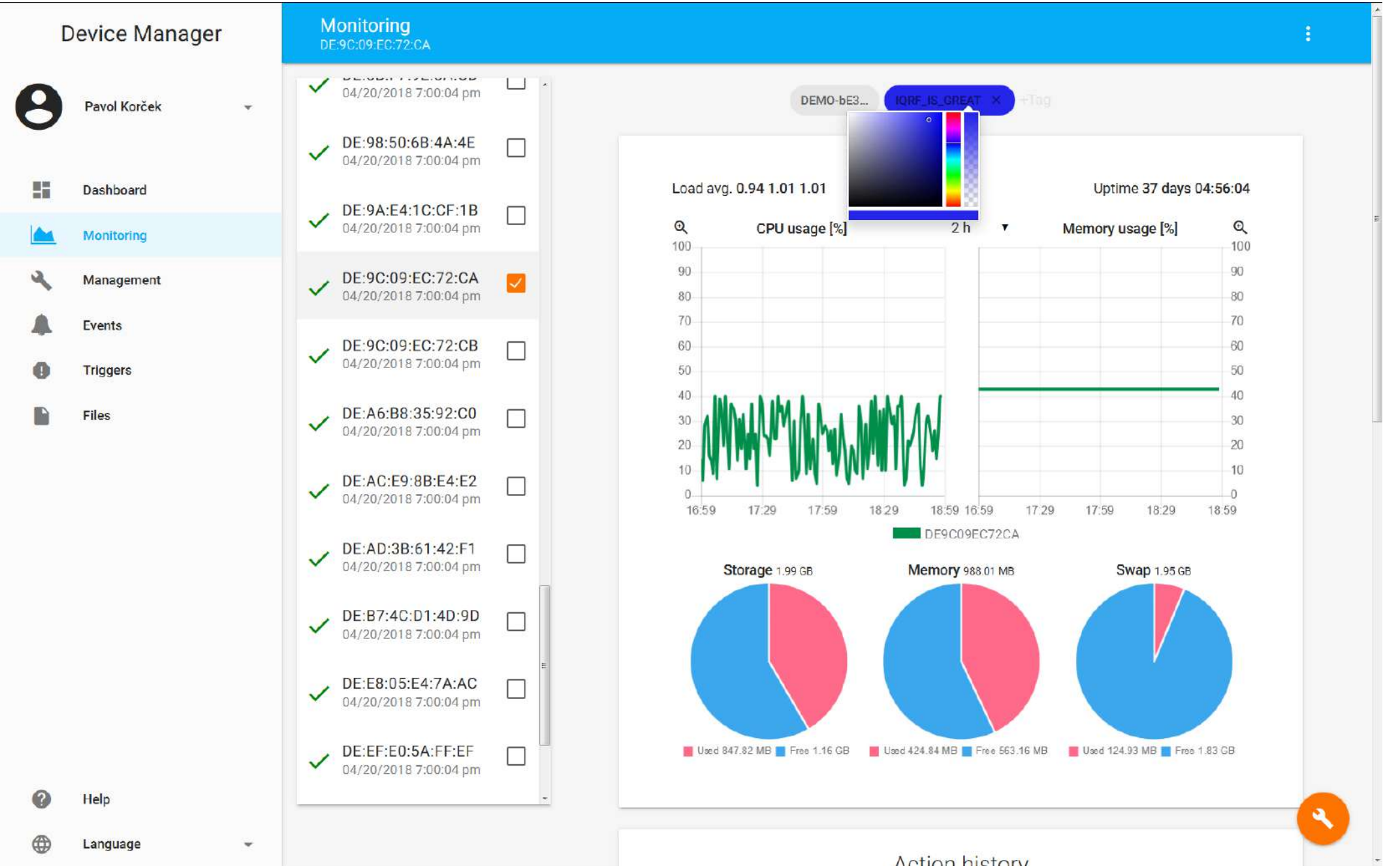
Action history


Device Manager
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Dashboard
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Files
Help
Language
Monitoring
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm
DEMO-bE3...
IORF_IS_GREAT
+Tag
Load avg. 0.94 1.01 1.01
Uptime 37 days 04:56:04
CPU usage [%]
2 h
Memory usage [%]
100
90
80
70
60
50
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30
20
10
0
16:59
17:29
17:59
18:29
18:59
DE9C09EC72CA
Storage 1.99 GB
Memory 988.01 MB
Swap 1.95 GB
Used 847.82 MB
Free 1.16 GB
Used 424.84 MB
Free 563.16 MB
Used 124.93 MB
Free 1.83 GB
Action history

Device Manager

Pavol Korček

- Dashboard
- Monitoring
- Management
- Events
- Triggers
- Files

Help

Language

Monitoring
DE:9C:09:EC:72:CA

04/20/2018 7:00:04 pm

DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm

DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm

DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm

DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm

DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm

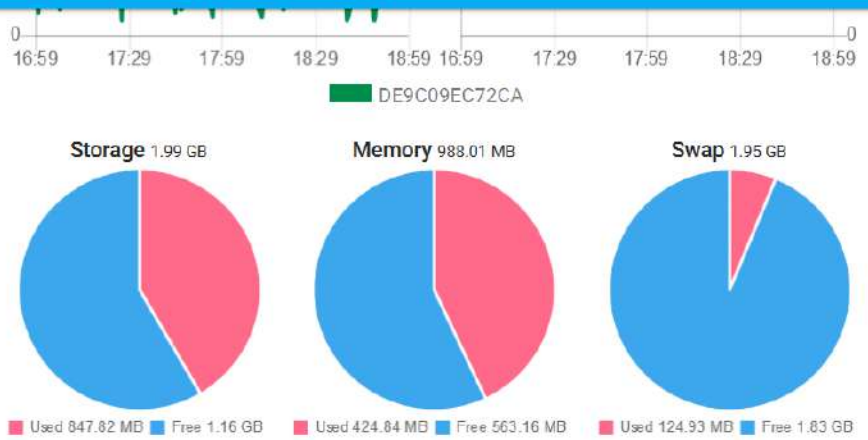
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm

DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm

DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm

DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm

DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm



Action history

Expand all

Update core application Demo Remote Management
04/20/2018 1:36:04 am

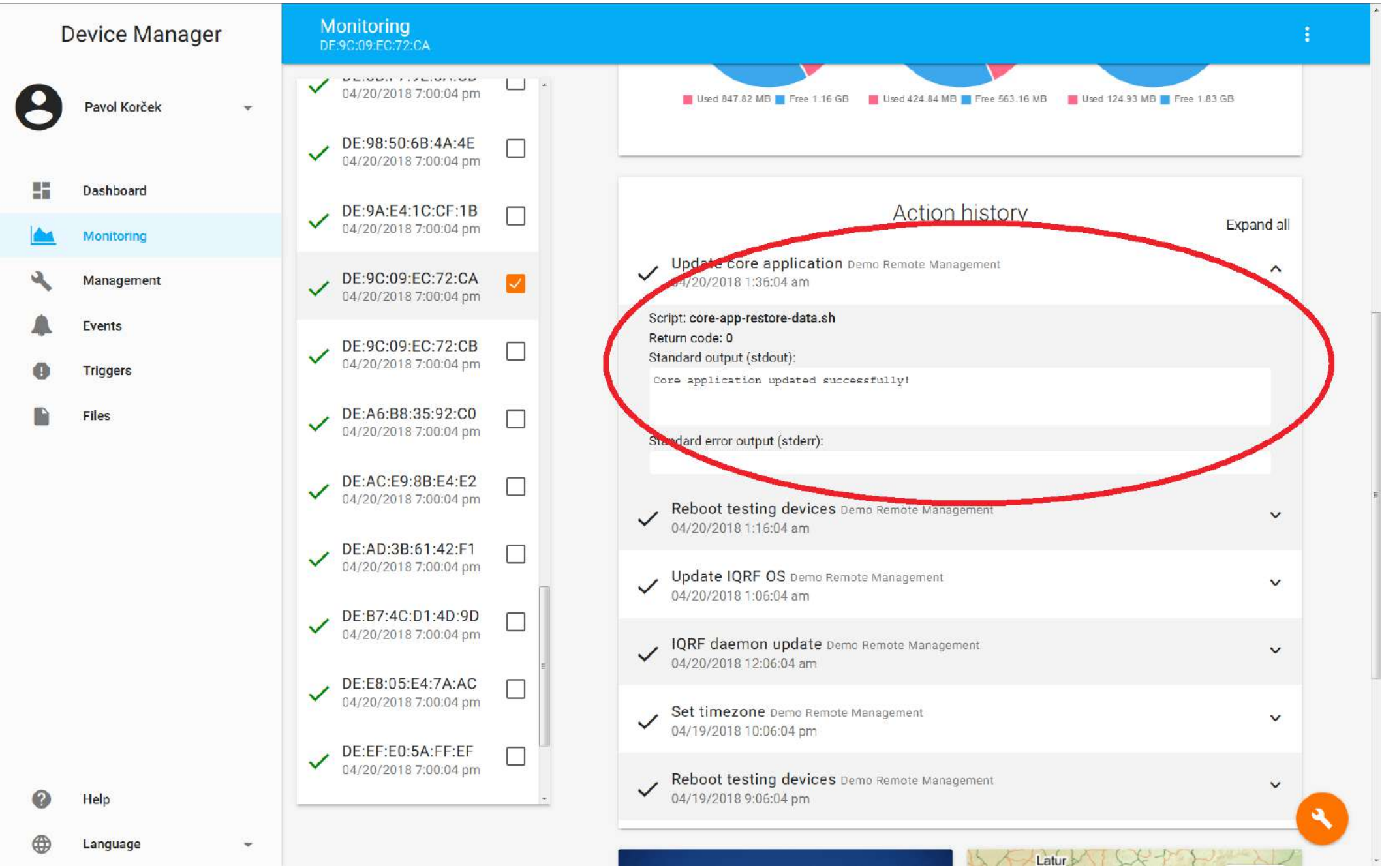
Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am

Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am

IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am

Set timezone Demo Remote Management
04/19/2018 10:06:04 pm

Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm


Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Monitoring
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm
Used 847.82 MB
Free 1.16 GB
Used 424.84 MB
Free 563.16 MB
Used 124.93 MB
Free 1.83 GB
Action history
Expand all
Update core application Demo Remote Management
04/20/2018 1:36:04 am
Script: core-app-restore-data.sh
Return code: 0
Standard output (stdout):
Core application updated successfully!
Standard error output (stderr):
Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am
Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am
IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am
Set timezone Demo Remote Management
04/19/2018 10:06:04 pm
Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm

Device Manager

Pavol Korček

- Dashboard
- Monitoring
- Management
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- Triggers
- Files
- Help
- Language

Monitoring
DE:9C:09:EC:72:CA

04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm

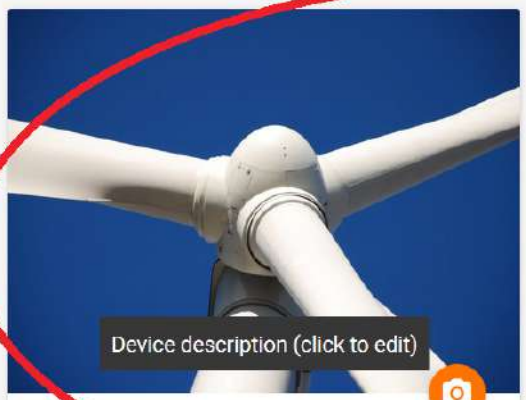
Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am

Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am

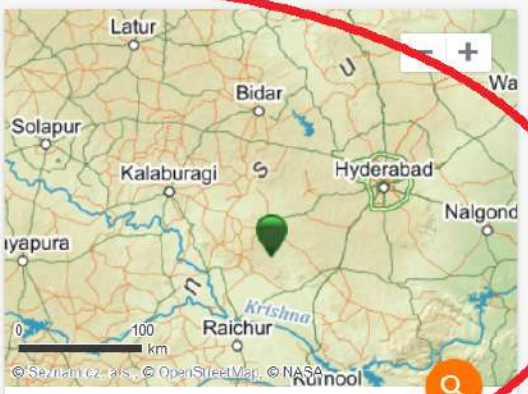
IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am

Set timezone Demo Remote Management
04/19/2018 10:06:04 pm

Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm



This device has no description yet.



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Device Manager

Pavol Korček

- Dashboard
- Monitoring
- Management
- Events
- Triggers
- Files
- Help
- Language

Monitoring
DE:9C:09:EC:72:CA

04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm

Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am

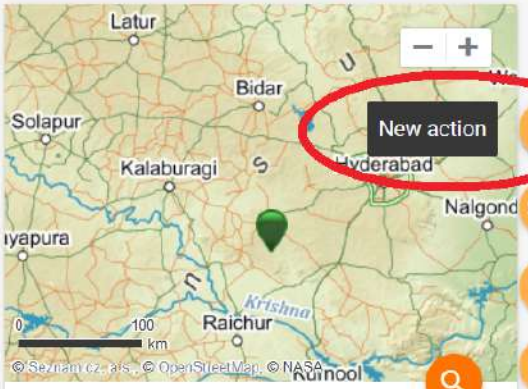
Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am

IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am

Set timezone Demo Remote Management
04/19/2018 10:06:04 pm

Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm

This device has no description yet.



Device location: 16°51'1.691"N 77°36'50.775"E

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https://management.rehivetech.com/en/management/new/?gatewayId=244761762755274

Device Manager

Pavol Korček

- Dashboard
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- Files
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- Language

Monitoring
DE:9C:09:EC:72:CA

04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm

Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am

Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am

IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am

Set timezone Demo Remote Management
04/19/2018 10:06:04 pm

Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm

This device has no description yet.

Device location: 16°51'1.691"N 77°36'50.775"E

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https://management.rehivetech.com/en/management/ssh/?gatewayId=244761762755274

Device Manager

Pavol Korček

- Dashboard
- Monitoring
- Management
- Events
- Triggers
- Files
- Help
- Language

Monitoring
DE:9C:09:EC:72:CA

04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm

Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am

Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am

IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am

Set timezone Demo Remote Management
04/19/2018 10:06:04 pm

Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm

This device has no description yet.

Device location: 16°51'1.691"N 77°36'50.775"E

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https://management.rehivetech.com/en/management/port-tunnel/?gatewayId=244761762755274

Device Manager

Pavol Korček

- Dashboard
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- Management
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- Triggers
- Files
- Help
- Language

Monitoring
DE:9C:09:EC:72:CA

04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm

Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am

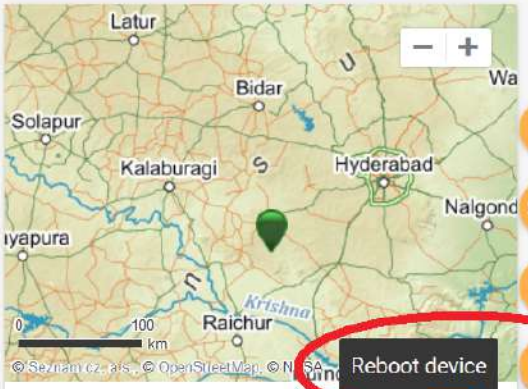
Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am

IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am

Set timezone Demo Remote Management
04/19/2018 10:06:04 pm

Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm

This device has no description yet.



Device location: 16°51'1.691"N 77°36'50.775"E

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https://management.rehivetech.com/en/management/reboot/?gatewayId=244761762755274

Device Manager

Pavol Korček

- Dashboard
- Monitoring
- Management
- Events
- Triggers
- Files
- Help
- Language

Monitoring
DE:9C:09:EC:72:CA

04/20/2018 7:00:04 pm
DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm
DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm
DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm
DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm
DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm
DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm
DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm
DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm

Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am

Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am

IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am

Set timezone Demo Remote Management
04/19/2018 10:06:04 pm

Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm

This device has no description yet.

Device location: 16°51'1.691"N

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https://management.rehivetech.com/en/management/send-command/?gatewayId=244761762755274

Device Manager

Pavol Korček

- Dashboard
- Monitoring
- Management
- Events
- Triggers
- Files

Help

Language

Monitoring
DE:9C:09:EC:72:CA

Configuration

Remove

04/20/2018 7:00:04 pm

DE:98:50:6B:4A:4E
04/20/2018 7:00:04 pm

DE:9A:E4:1C:CF:1B
04/20/2018 7:00:04 pm

DE:9C:09:EC:72:CA
04/20/2018 7:00:04 pm

DE:9C:09:EC:72:CB
04/20/2018 7:00:04 pm

DE:A6:B8:35:92:C0
04/20/2018 7:00:04 pm

DE:AC:E9:8B:E4:E2
04/20/2018 7:00:04 pm

DE:AD:3B:61:42:F1
04/20/2018 7:00:04 pm

DE:B7:4C:D1:4D:9D
04/20/2018 7:00:04 pm

DE:E8:05:E4:7A:AC
04/20/2018 7:00:04 pm

DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm

Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am

Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am

IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am

Set timezone Demo Remote Management
04/19/2018 10:06:04 pm

Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm

This device has no description yet.

Device location: 16°51'1.691"N 77°36'50.775"E

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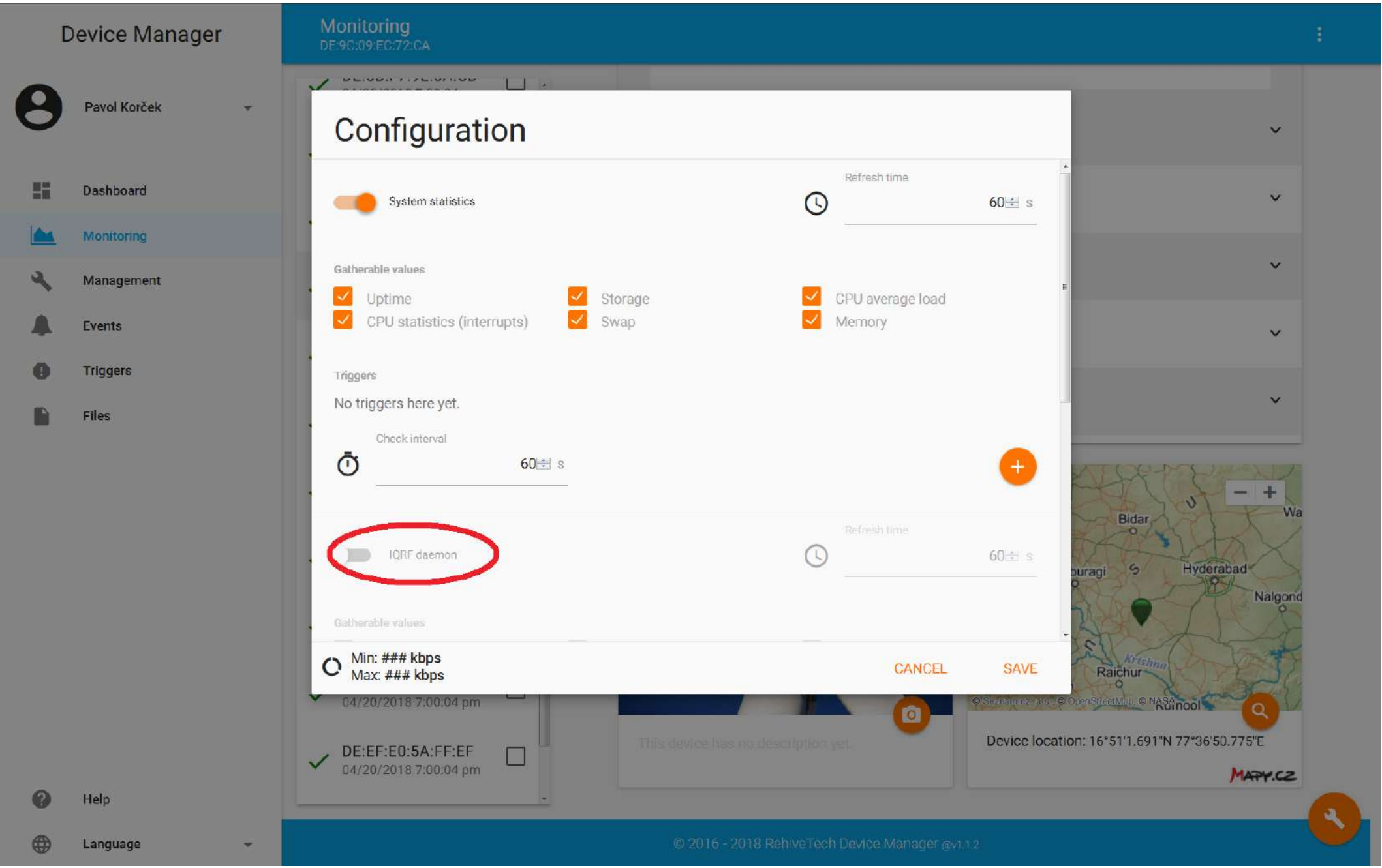
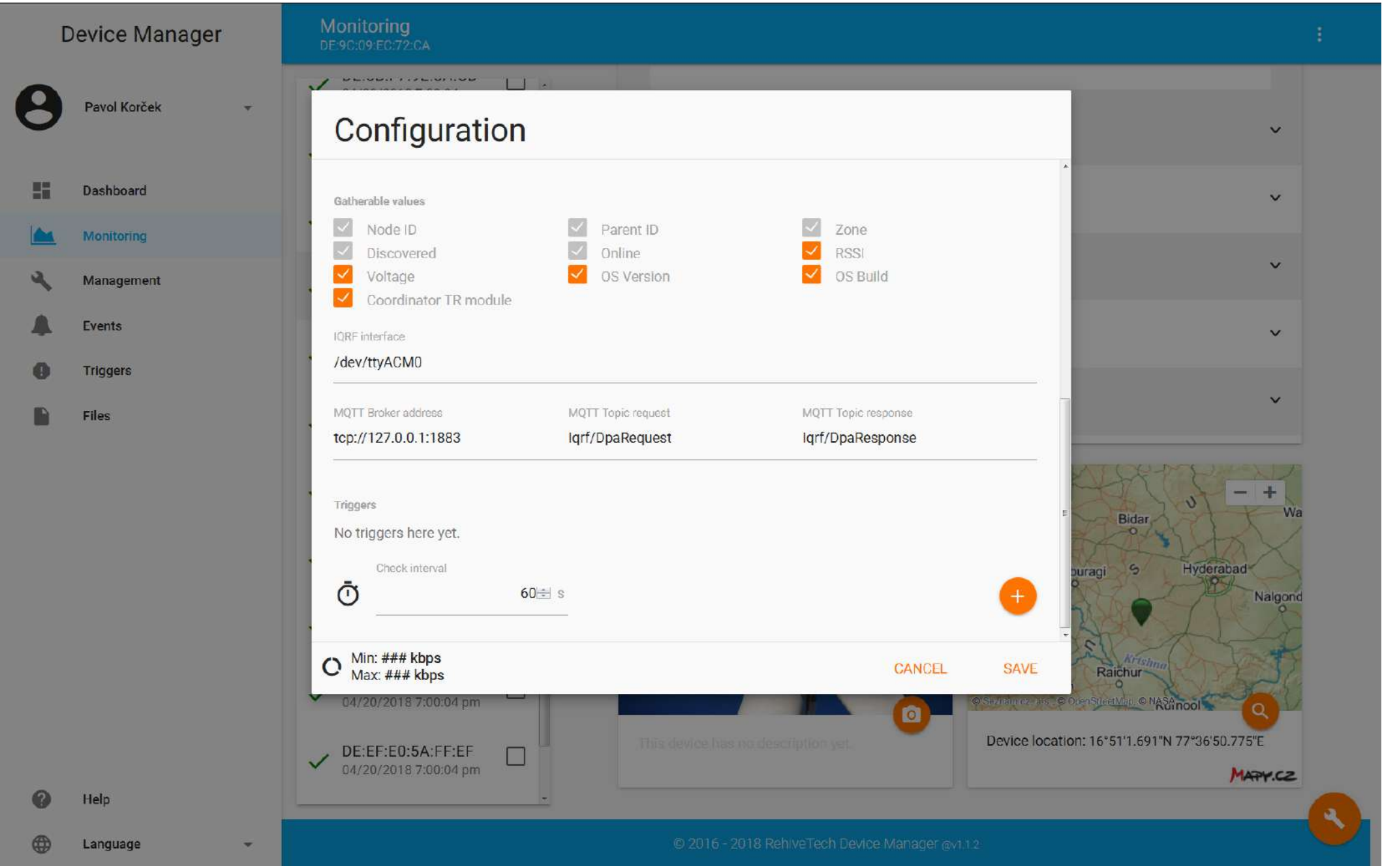
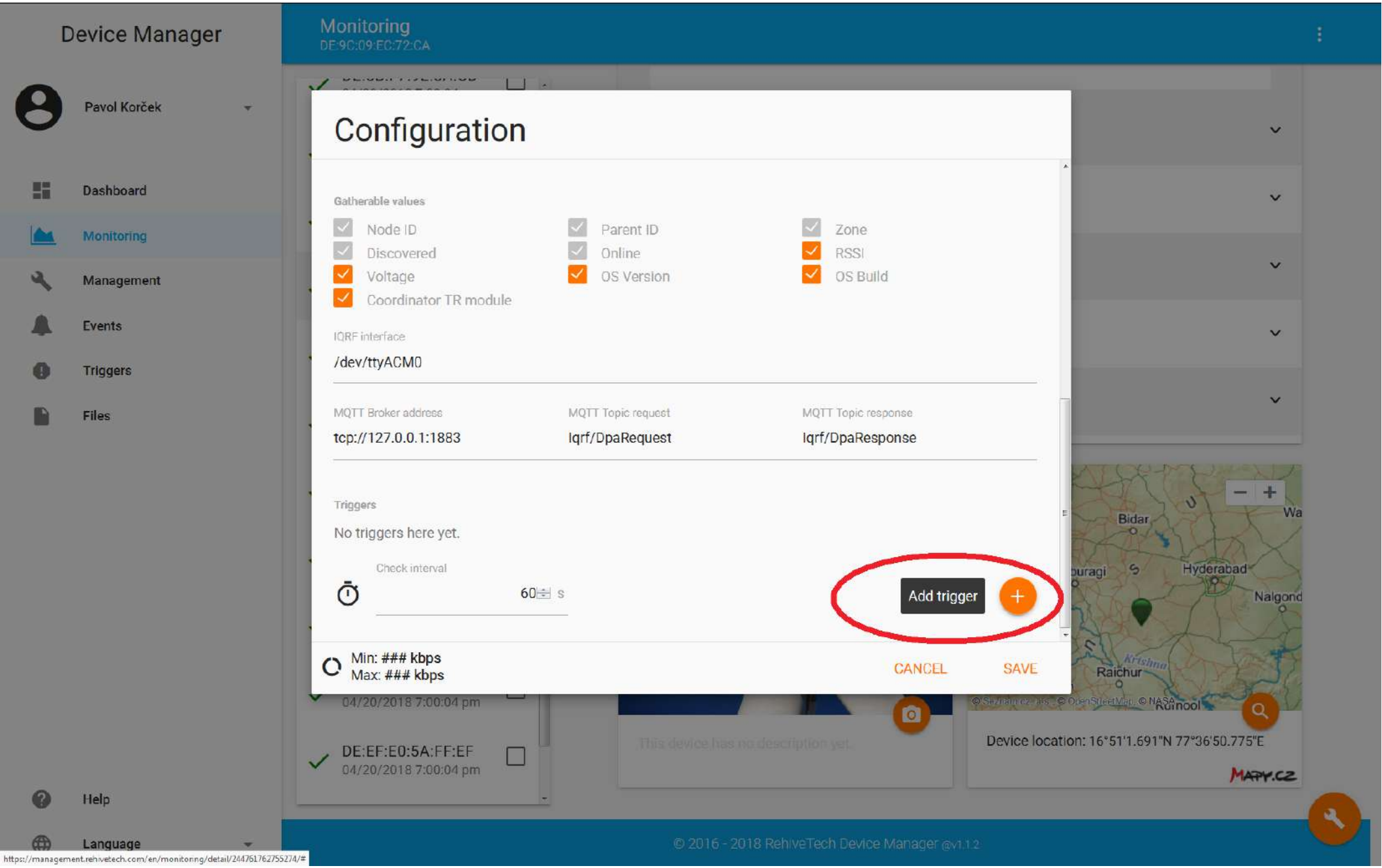
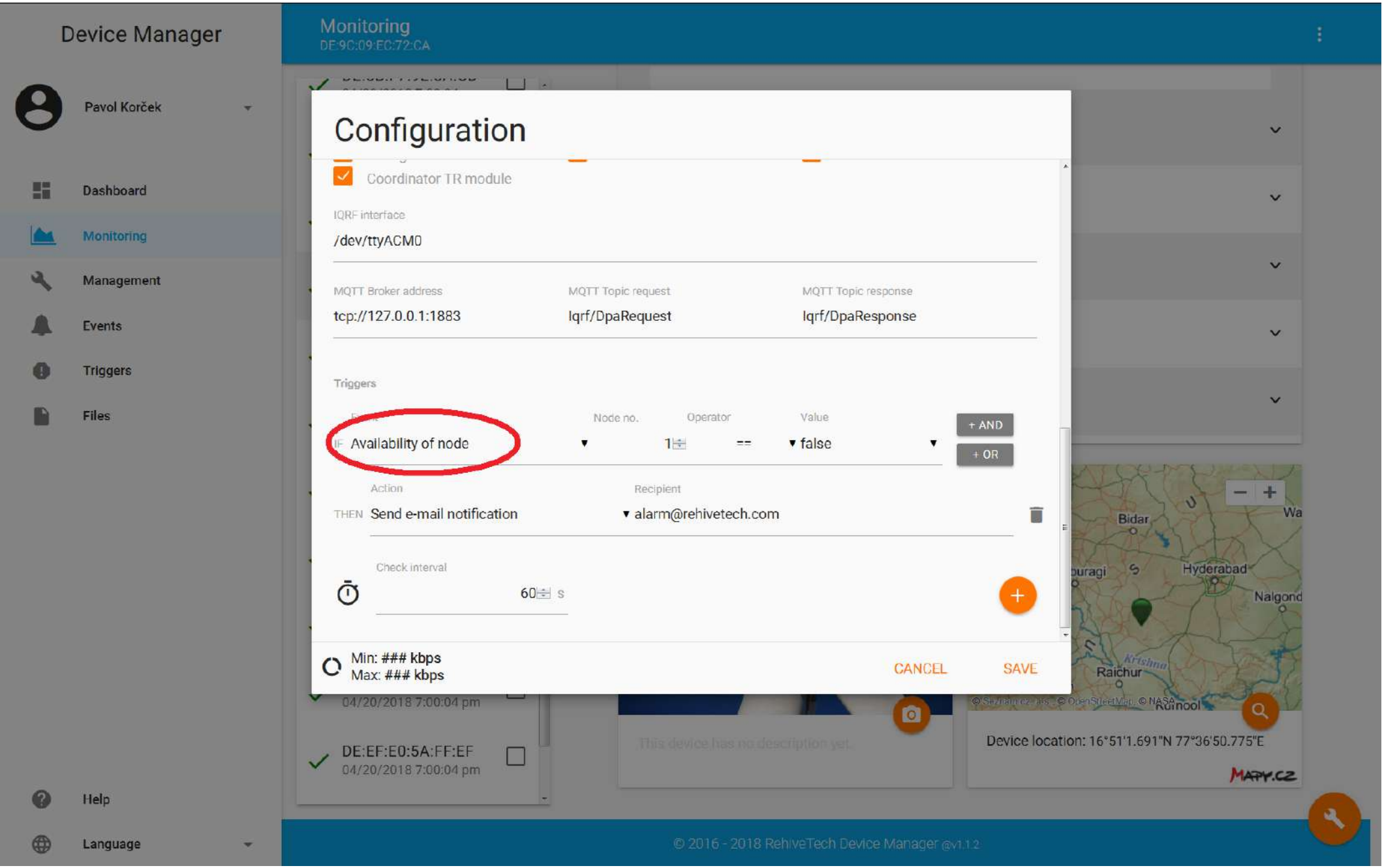
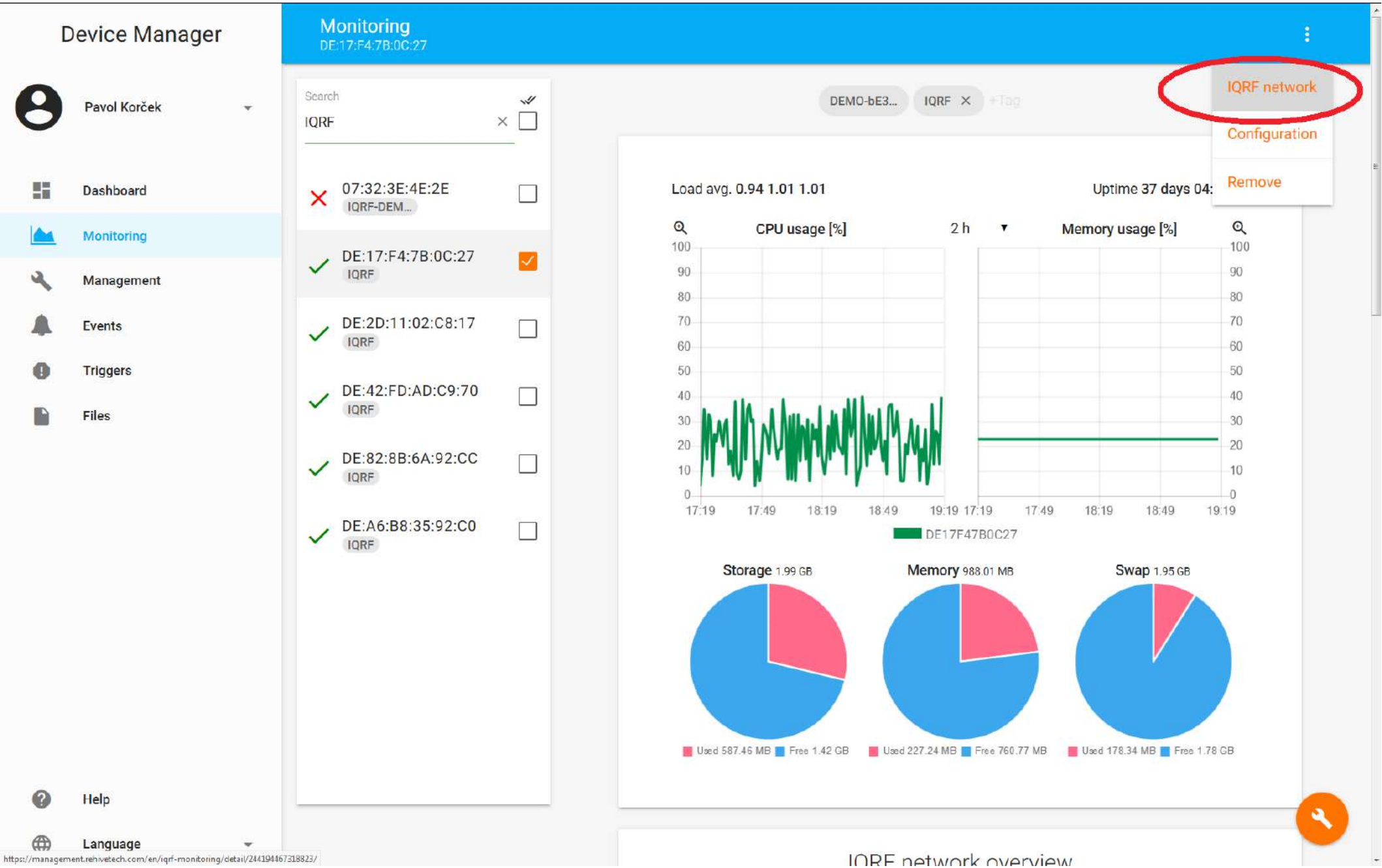
https://management.rehivetech.com/en/monitoring/configuration/244761762755274/

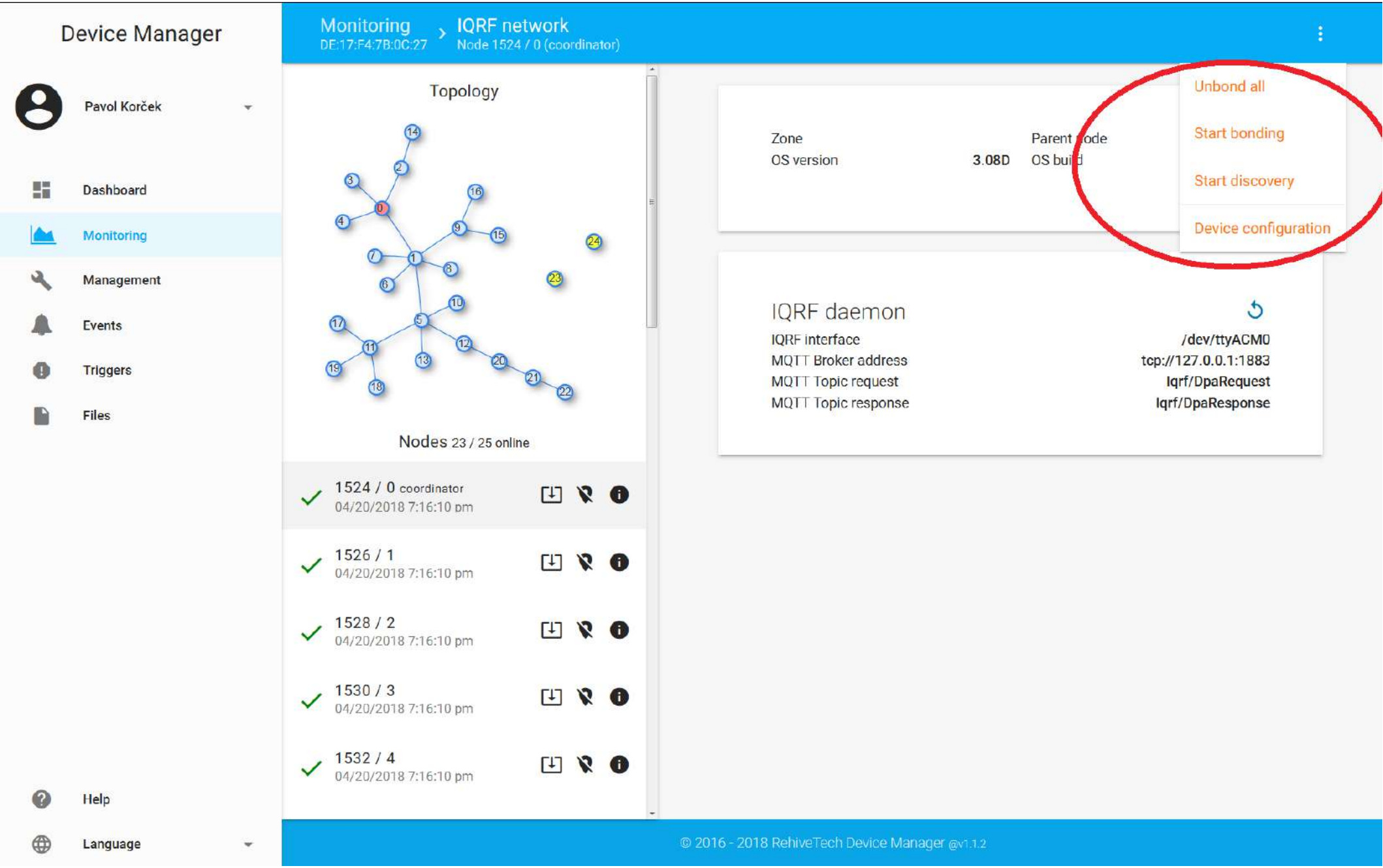

Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Monitoring
DE:9C:09:EC:72:CA
Configuration
System statistics
Refresh time
60 s
Gatherable values
Uptime
CPU statistics (interrupts)
Storage
Swap
CPU average load
Memory
Triggers
No triggers here yet.
Check interval
60 s
IQRF daemon
Refresh time
60 s
Gatherable values
Min: ### kbps
Max: ### kbps
CANCEL
SAVE
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm
This device has no description yet.
Device location: 16°51'1.691"N 77°36'50.775"E
Bidar
Hyderabad
Nalgond
Raichur
Krishna
Kurnool
© 2016 - 2018 RehiveTech Device Manager @v1.1.2

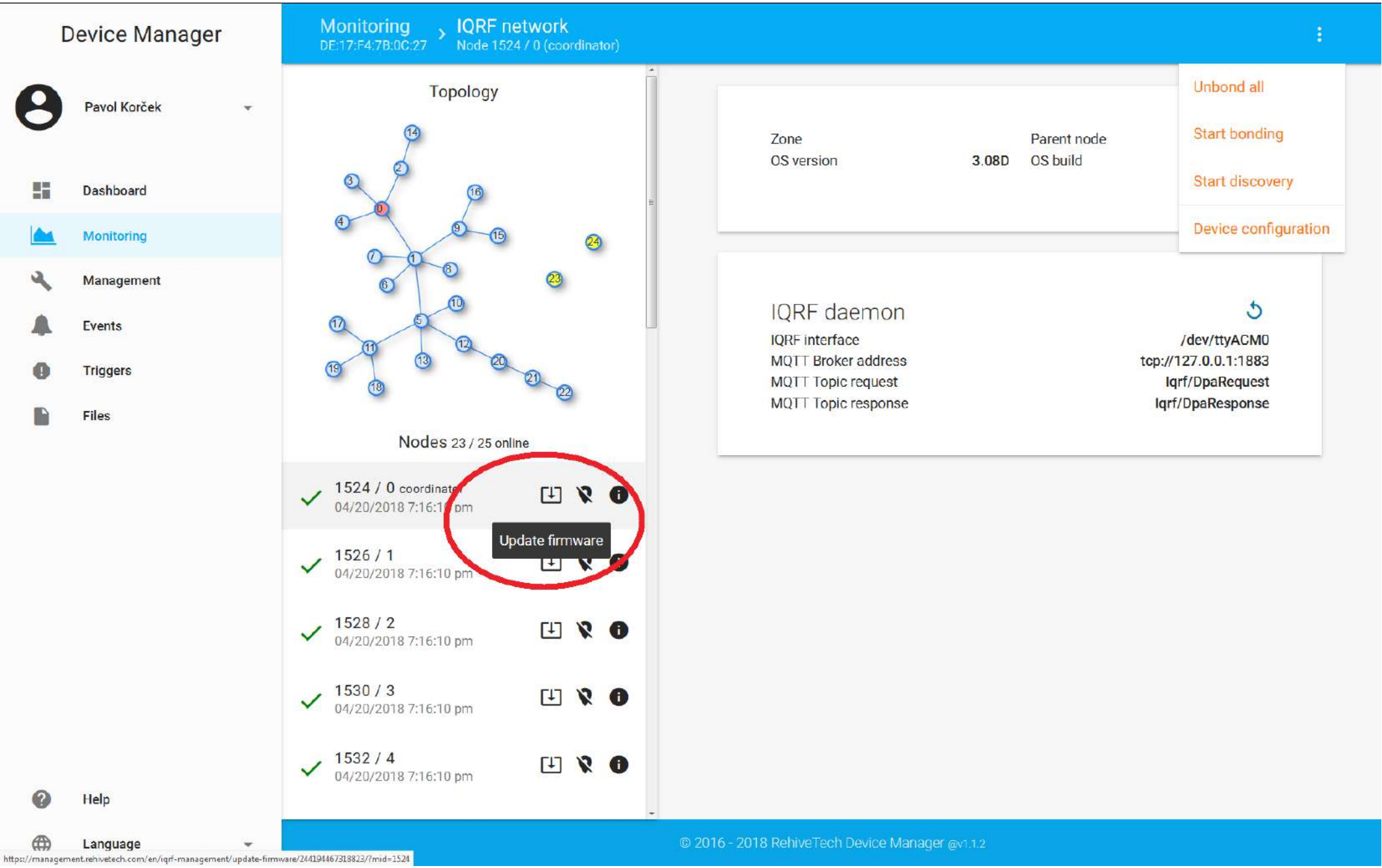

Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Monitoring
DE:9C:09:EC:72:CA
Configuration
Gatherable values
Node ID
Parent ID
Zone
Discovered
Online
RSSI
Voltage
OS Version
OS Build
Coordinator TR module
IQRF interface
/dev/ttyACM0
MQTT Broker address
tcp://127.0.0.1:1883
MQTT Topic request
iqrf/DpaRequest
MQTT Topic response
iqrf/DpaResponse
Triggers
No triggers here yet.
Check interval
60 s
Min: ### kbps
Max: ### kbps
CANCEL
SAVE
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm
This device has no description yet.
Device location: 16°51'1.691"N 77°36'50.775"E
Bidar
Hyderabad
Nalgond
Raichur
Kurnool
Krishna
© 2016 - 2018 RehiveTech Device Manager @v1.1.2

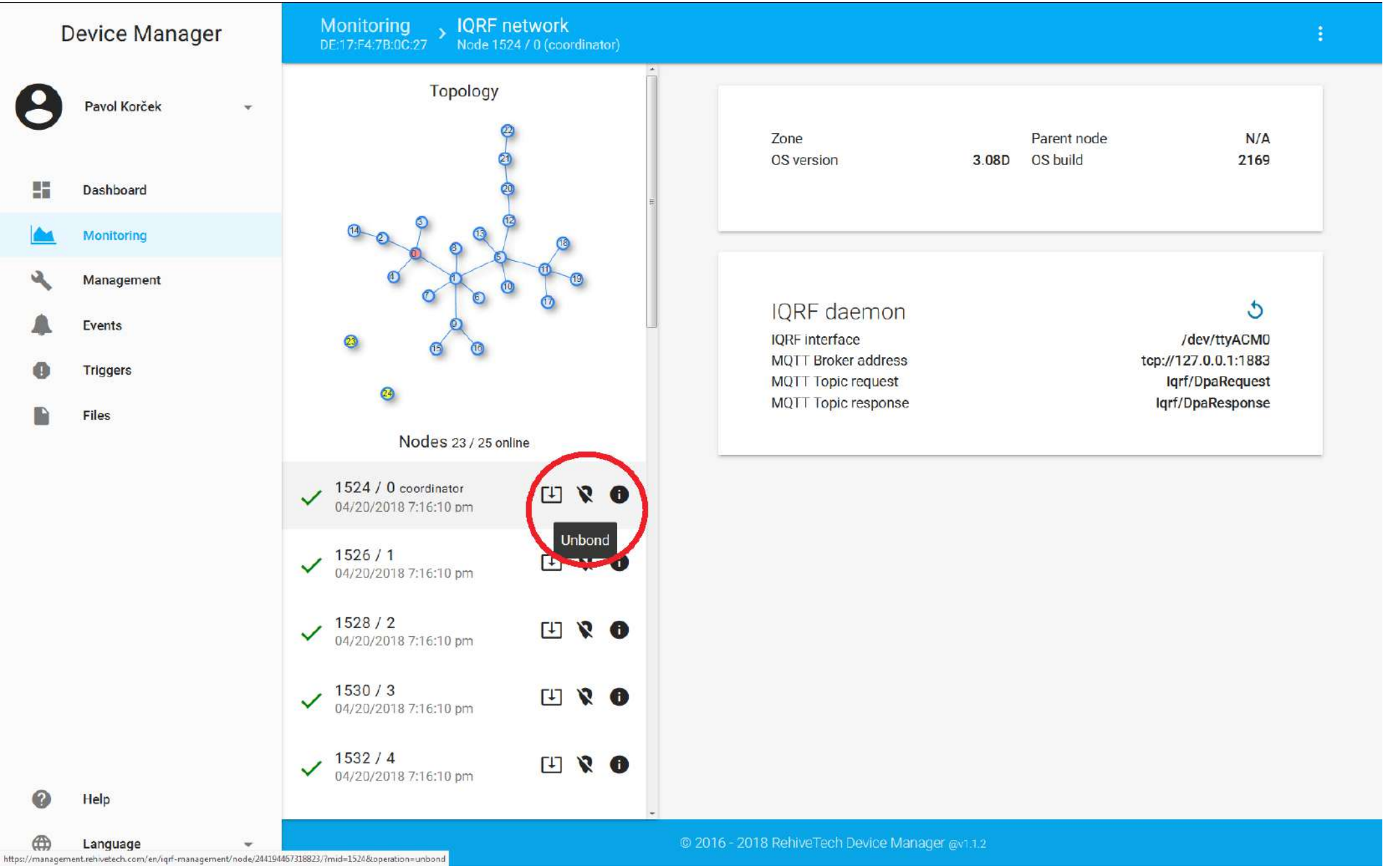

Device Manager
Monitoring
DE:9C:09:EC:72:CA
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Configuration
Gatherable values
Node ID
Parent ID
Zone
Discovered
Online
RSSI
Voltage
OS Version
OS Build
Coordinator TR module
IQRF interface
/dev/ttyACM0
MQTT Broker address
tcp://127.0.0.1:1883
MQTT Topic request
Iqrf/DpaRequest
MQTT Topic response
Iqrf/DpaResponse
Triggers
No triggers here yet.
Check interval
60 s
Add trigger
Min: ### kbps
Max: ### kbps
CANCEL
SAVE
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm
This device has no description yet.
Device location: 16°51'1.691"N 77°36'50.775"E
Bidar
Hyderabad
Nalgond
Raichur
Kurnool
© 2016 - 2018 RehiveTech Device Manager @v1.1.2

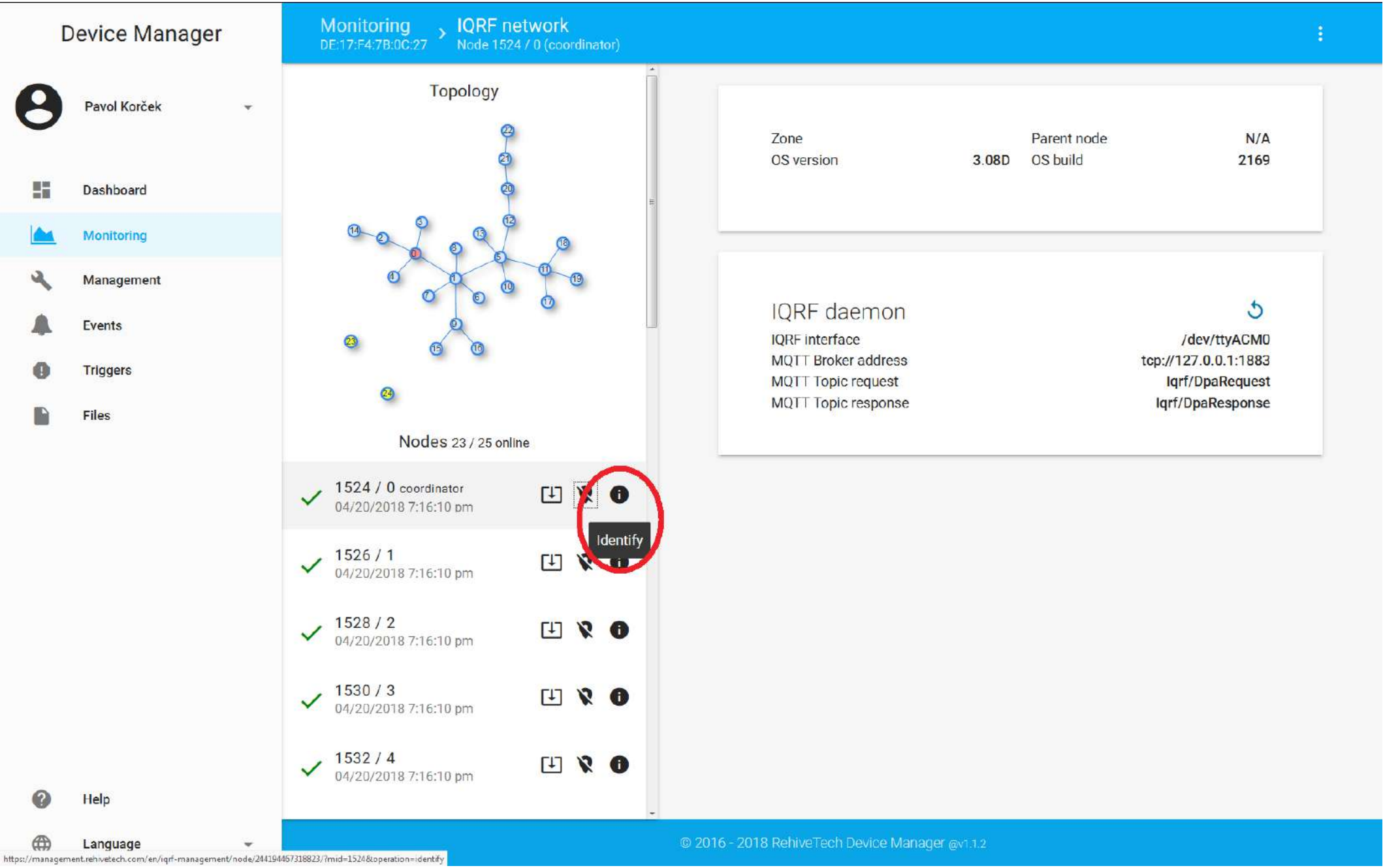

Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Monitoring
DE:9C:09:EC:72:CA
Configuration
Coordinator TR module
IQRF interface
/dev/ttyACM0
MQTT Broker address
tcp://127.0.0.1:1883
MQTT Topic request
Iqrf/DpaRequest
MQTT Topic response
Iqrf/DpaResponse
Triggers
Node no.
Operator
Value
IF Availability of node
1
==
false
+ AND
+ OR
Action
Recipient
THEN Send e-mail notification
alarm@rehivetech.com
Check interval
60 s
Min: ### kbps
Max: ### kbps
CANCEL
SAVE
04/20/2018 7:00:04 pm
DE:EF:E0:5A:FF:EF
04/20/2018 7:00:04 pm
This device has no description yet.
Device location: 16°51'1.691"N 77°36'50.775"E
Bidar
Hyderabad
Nalgond
Raichur
Kurnool
© 2016 - 2018 RehiveTech Device Manager @v1.1.2


Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Monitoring
DE:17:F4:7B:0C:27
Search
IQRF
07:32:3E:4E:2E
IQRF-DEM...
DE:17:F4:7B:0C:27
IQRF
DE:2D:11:02:C8:17
IQRF
DE:42:FD:AD:C9:70
IQRF
DE:82:8B:6A:92:CC
IQRF
DE:A6:B8:35:92:C0
IQRF
DEMO-bE3...
IQRF
IQRF network
Configuration
Remove
Load avg. 0.94 1.01 1.01
Uptime 37 days 04:
CPU usage [%]
2 h
Memory usage [%]
DE17F47B0C27
Storage 1.99 GB
Memory 988.01 MB
Swap 1.95 GB
Used 587.46 MB
Free 1.42 GB
Used 227.24 MB
Free 760.77 MB
Used 178.34 MB
Free 1.78 GB
IQRF network overview


Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Monitoring
DE:17:F4:7B:0C:27
IQRF network
Node 1524 / 0 (coordinator)
Topology
Nodes 23 / 25 online
1524 / 0 coordinator
04/20/2018 7:16:10 pm
1526 / 1
04/20/2018 7:16:10 pm
1528 / 2
04/20/2018 7:16:10 pm
1530 / 3
04/20/2018 7:16:10 pm
1532 / 4
04/20/2018 7:16:10 pm
Zone
OS version
3.08D
Parent node
OS build
Unbond all
Start bonding
Start discovery
Device configuration
IQRF daemon
IQRF interface
/dev/ttyACM0
MQTT Broker address
tcp://127.0.0.1:1883
MQTT Topic request
Iqrf/DpaRequest
MQTT Topic response
Iqrf/DpaResponse
© 2016 - 2018 RehiveTech Device Manager @v1.1.2


Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Monitoring
DE:17:F4:7B:0C:27
IQRF network
Node 1524 / 0 (coordinator)
Topology
Nodes 23 / 25 online
1524 / 0 coordinator
04/20/2018 7:16:10 pm
1526 / 1
04/20/2018 7:16:10 pm
1528 / 2
04/20/2018 7:16:10 pm
1530 / 3
04/20/2018 7:16:10 pm
1532 / 4
04/20/2018 7:16:10 pm
Update firmware
Zone
OS version
3.08D
Parent node
OS build
Unbond all
Start bonding
Start discovery
Device configuration
IQRF daemon
IQRF interface
/dev/ttyACM0
MQTT Broker address
tcp://127.0.0.1:1883
MQTT Topic request
Iqrf/DpaRequest
MQTT Topic response
Iqrf/DpaResponse
© 2016 - 2018 RehiveTech Device Manager @v1.1.2
https://management.rehivetech.com/en/iqrf-management/update-firmware/2441944673188?23/?mid=1524


Device Manager
Monitoring
DE:17:F4:7B:0C:27
IQRF network
Node 1524 / 0 (coordinator)
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Topology
Nodes 23 / 25 online
1524 / 0 coordinator
04/20/2018 7:16:10 pm
Unbond
1526 / 1
04/20/2018 7:16:10 pm
1528 / 2
04/20/2018 7:16:10 pm
1530 / 3
04/20/2018 7:16:10 pm
1532 / 4
04/20/2018 7:16:10 pm
Zone
OS version 3.08D
Parent node N/A
OS build 2169
IQRF daemon
IQRF interface /dev/ttyACM0
MQTT Broker address tcp://127.0.0.1:1883
MQTT Topic request Iqrf/DpaRequest
MQTT Topic response Iqrf/DpaResponse
© 2016 - 2018 RehiveTech Device Manager @v1.1.2
https://management.rehivetech.com/en/iqrf-management/node/2441944457318823/?mid=1524&operation=unbond


Device Manager
Monitoring
DE:17:F4:7B:0C:27
IQRF network
Node 1524 / 0 (coordinator)
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
Topology
Nodes 23 / 25 online
1524 / 0 coordinator
04/20/2018 7:16:10 pm
1526 / 1
04/20/2018 7:16:10 pm
1528 / 2
04/20/2018 7:16:10 pm
1530 / 3
04/20/2018 7:16:10 pm
1532 / 4
04/20/2018 7:16:10 pm
Identify
Zone
OS version
3.08D
Parent node
N/A
OS build
2169
IQRF daemon
IQRF interface
/dev/ttyACM0
MQTT Broker address
tcp://127.0.0.1:1883
MQTT Topic request
Iqrf/DpaRequest
MQTT Topic response
Iqrf/DpaResponse
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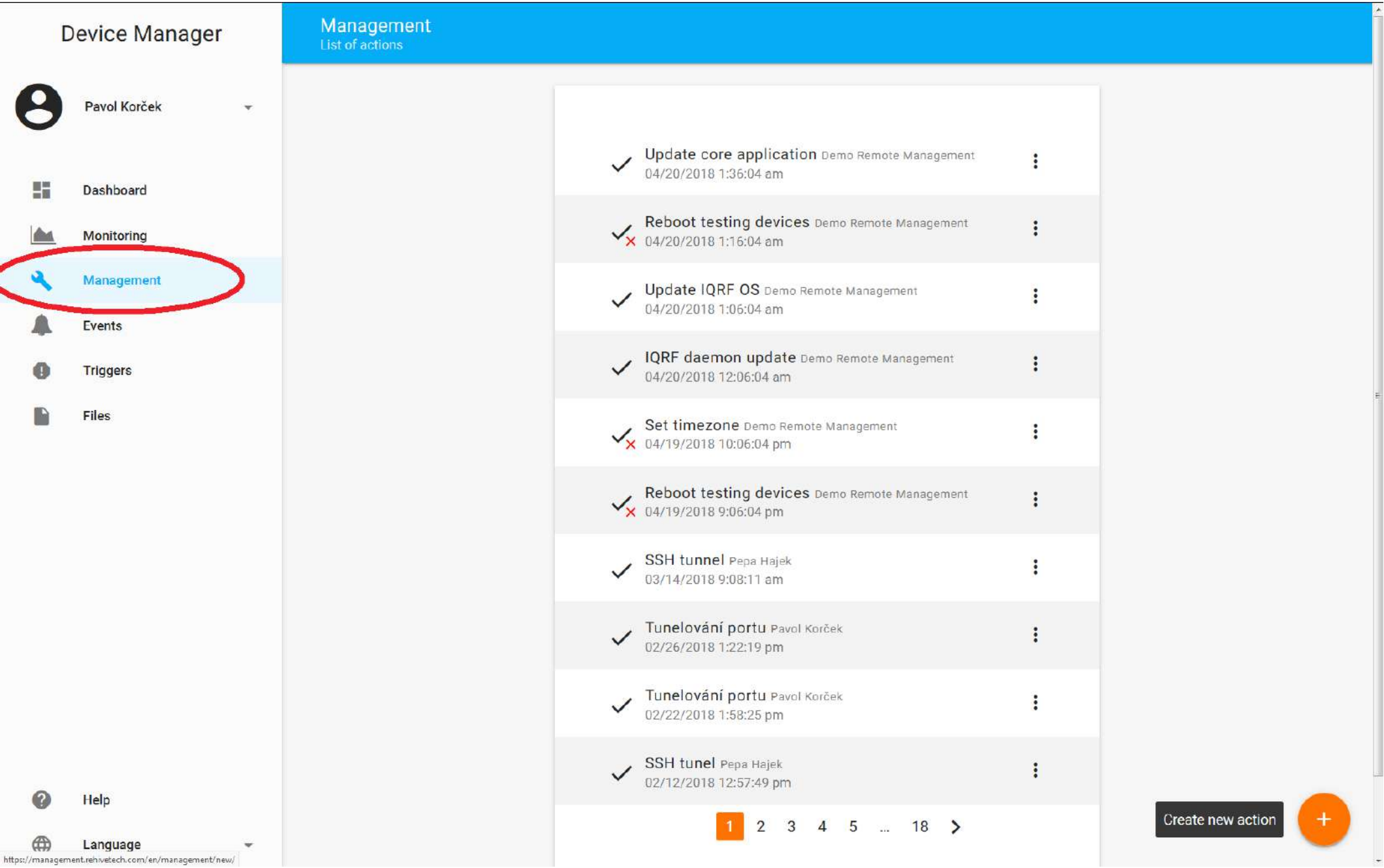
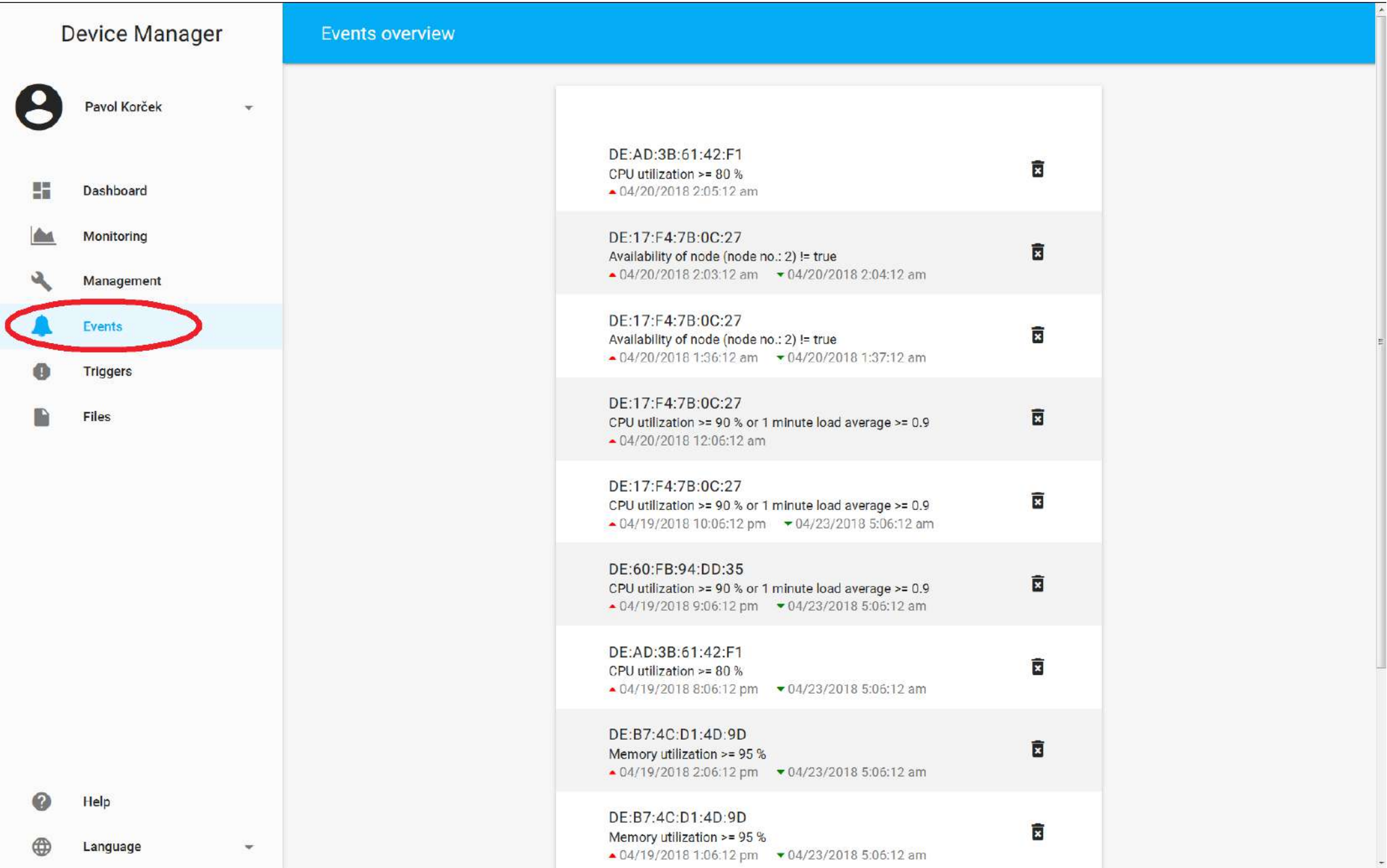
https://management.rehivetech.com/en/iqrf-management/node/2441944457318823/?mid=1524&operation=identify


Device Manager
Pavol Korček
Dashboard
Monitoring
Management
Events
Triggers
Files
Help
Language
https://management.rehivetech.com/en/management/new/
Management
List of actions
Update core application Demo Remote Management
04/20/2018 1:36:04 am
Reboot testing devices Demo Remote Management
04/20/2018 1:16:04 am
Update IQRF OS Demo Remote Management
04/20/2018 1:06:04 am
IQRF daemon update Demo Remote Management
04/20/2018 12:06:04 am
Set timezone Demo Remote Management
04/19/2018 10:06:04 pm
Reboot testing devices Demo Remote Management
04/19/2018 9:06:04 pm
SSH tunnel Pepa Hajek
03/14/2018 9:08:11 am
Tunelování portu Pavol Korček
02/26/2018 1:22:19 pm
Tunelování portu Pavol Korček
02/22/2018 1:58:25 pm
SSH tunel Pepa Hajek
02/12/2018 12:57:49 pm
1 2 3 4 5 ... 18
Create new action


Device Manager
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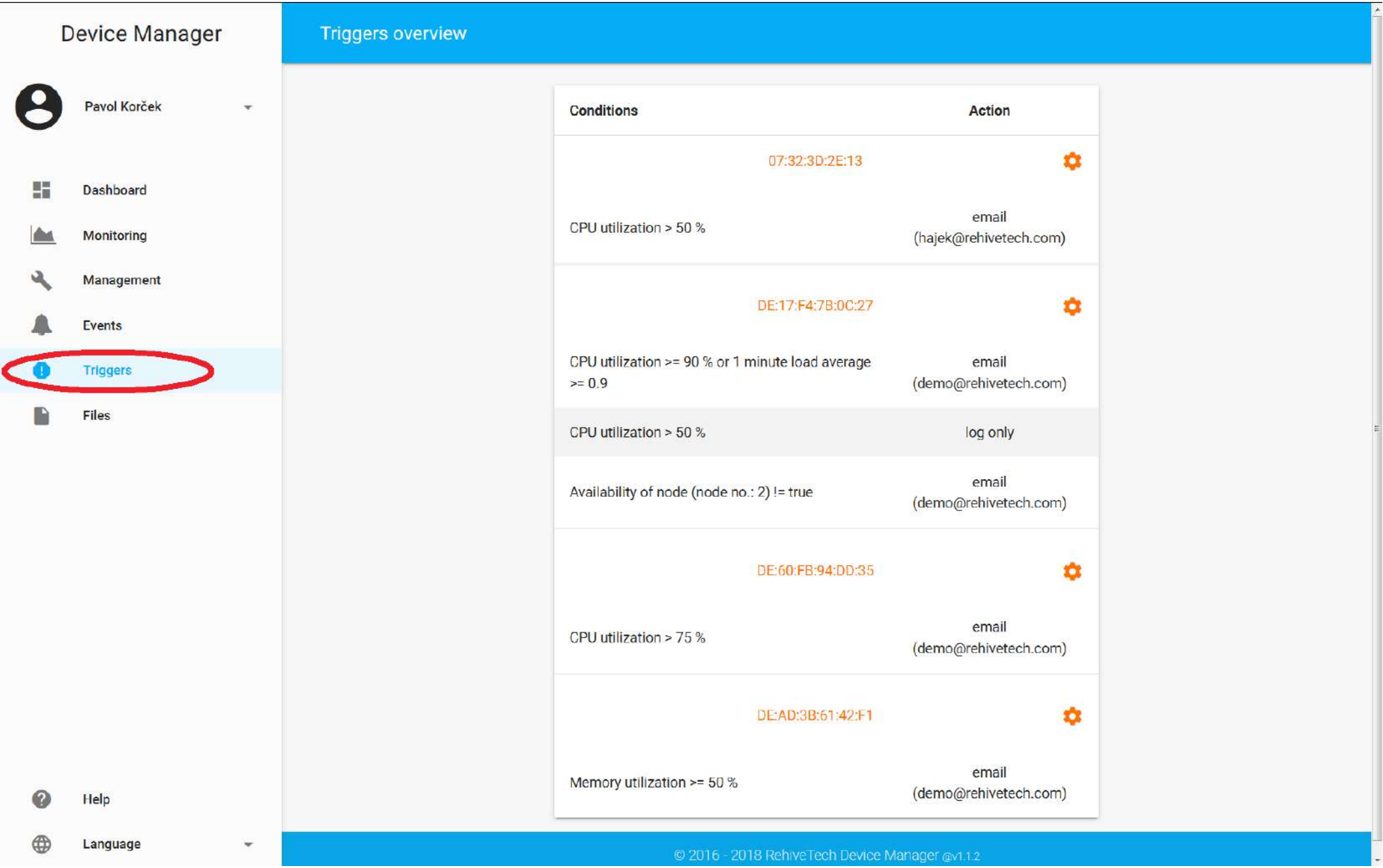
Language
Events overview
DE:AD:3B:61:42:F1
CPU utilization >= 80 %
04/20/2018 2:05:12 am
DE:17:F4:7B:0C:27
Availability of node (node no.: 2) != true
04/20/2018 2:03:12 am
04/20/2018 2:04:12 am
DE:17:F4:7B:0C:27
Availability of node (node no.: 2) != true
04/20/2018 1:36:12 am
04/20/2018 1:37:12 am
DE:17:F4:7B:0C:27
CPU utilization >= 90 % or 1 minute load average >= 0.9
04/20/2018 12:06:12 am
DE:17:F4:7B:0C:27
CPU utilization >= 90 % or 1 minute load average >= 0.9
04/19/2018 10:06:12 pm
04/23/2018 5:06:12 am
DE:60:FB:94:DD:35
CPU utilization >= 90 % or 1 minute load average >= 0.9
04/19/2018 9:06:12 pm
04/23/2018 5:06:12 am
DE:AD:3B:61:42:F1
CPU utilization >= 80 %
04/19/2018 8:06:12 pm
04/23/2018 5:06:12 am
DE:B7:4C:D1:4D:9D
Memory utilization >= 95 %
04/19/2018 2:06:12 pm
04/23/2018 5:06:12 am
DE:B7:4C:D1:4D:9D
Memory utilization >= 95 %
04/19/2018 1:06:12 pm
04/23/2018 5:06:12 am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Triggers overview
Conditions
Action
07:32:3D:2E:13
CPU utilization > 50 %
email (hajek@rehivetech.com)
DE:17:F4:7B:0C:27
CPU utilization >= 90 % or 1 minute load average >= 0.9
email (demo@rehivetech.com)
CPU utilization > 50 %
log only
Availability of node (node no.: 2) != true
email (demo@rehivetech.com)
DE:60:FB:94:DD:35
CPU utilization > 75 %
email (demo@rehivetech.com)
DE:AD:3B:61:42:F1
Memory utilization >= 50 %
email (demo@rehivetech.com)
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Management System

***Our management system allows you to**:*

- *Monitor your devices/gateways and gets their status remotely*
- *Set actions (e.g. notifications) when something goes wrong*
- *Simple remote update of device (one-by-one or in a group)*
- *Manage all nodes, coordinator and other stuff from IQRF network*
- *More info at **https://management.rehivetech.com/en/help/** or IQRF forum*

Thank you for your attention!

RehiveTech

korcek@rehivetech.com