

TOOL SPACE

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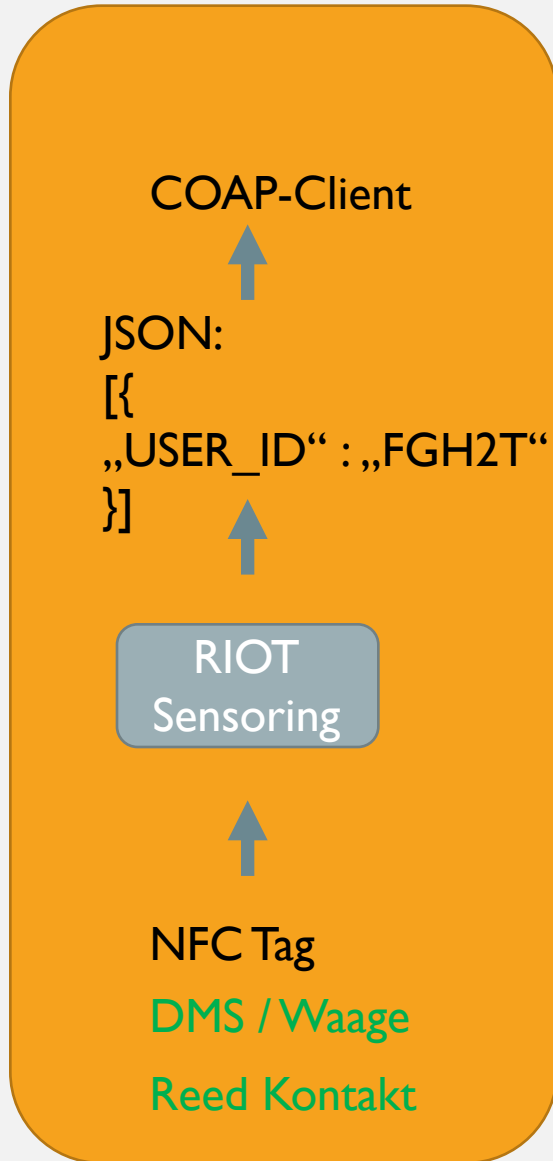
Marcel Lange

Simon Rindelaub

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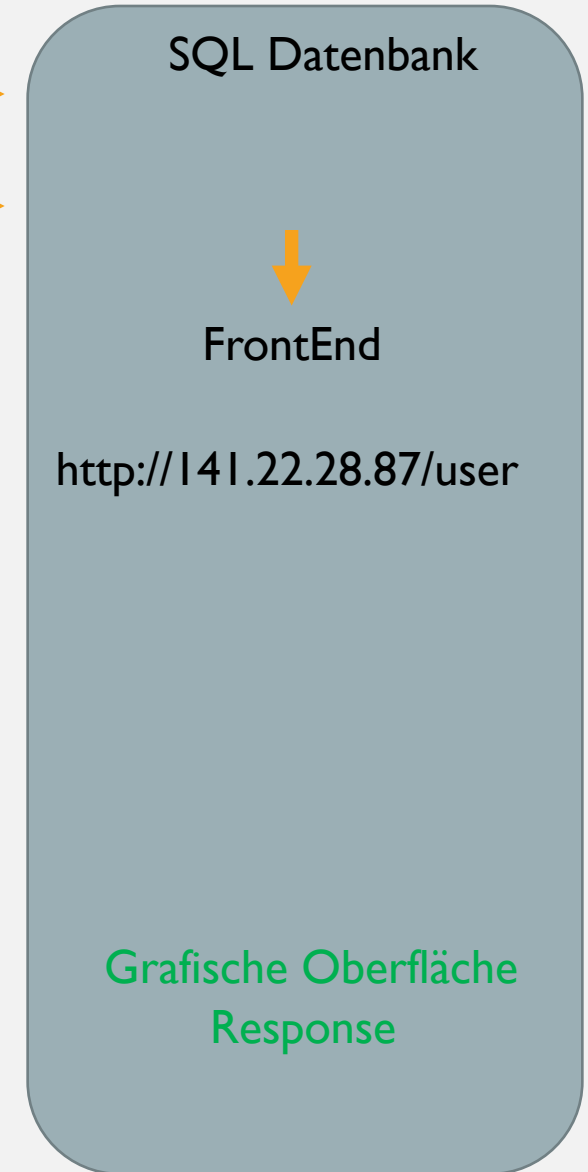
Sensoren (C)



Gateway (GO, Python)



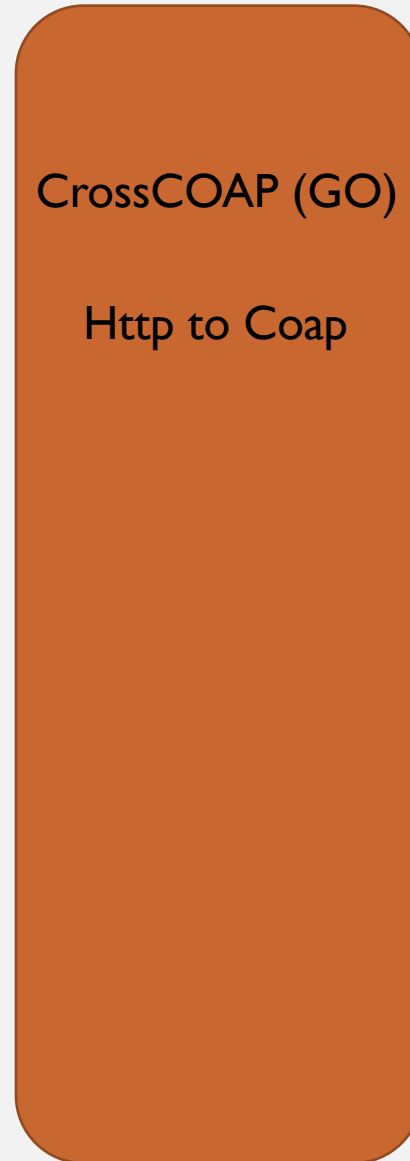
BackEnd (Java)



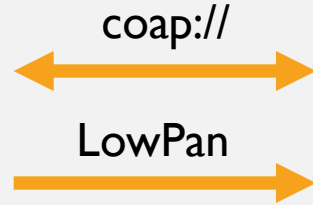
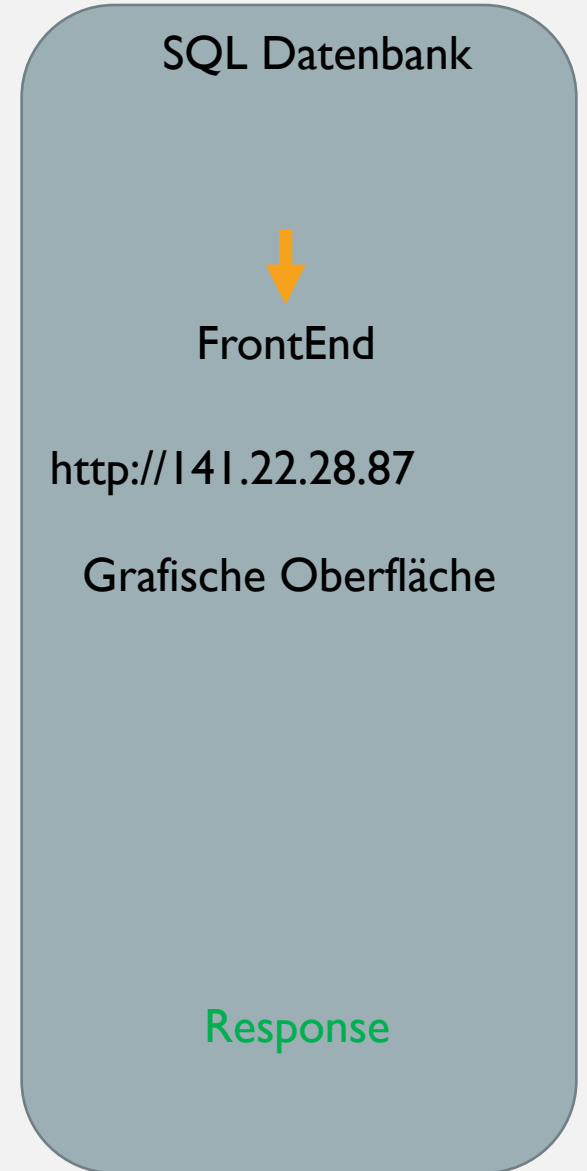
Sensoren (C)



Gateway (GO, Python)



BackEnd (Java)



SENSOREN(CI)

```
INFO # awake
INFO # ver 1.6
INFO # set sam 0
INFO # sector 00, block 00 | 55 0c 34 2a 47 08 04 00 01 fa 25 ca b6 ff ab 1d 07 00 00 00 73 a5 00 00 bc b8 00 00 5c 0b 00 20
INFO # TEST
INFO # 55 0c 34 2a 47 08 04
INFO # Payload: 550c342a470804
INFO # gcoap_cli: sending msg ID 58626, 28 bytes
INFO # sector 00, block 01 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 07 00 00 00 73 a5 00 00 bc b8 00 00 5c 0b 00 20
INFO # sector 00, block 02 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 07 00 00 00 73 a5 00 00 bc b8 00 00 5c 0b 00 20
INFO # sector 00, block 03 | gcoap: response Success, code 2.05, 82 bytes
INFO # 00000000 70 73 60 74 73 74 74 76 73 65 64 65 65 73 74 73
```

GATEWAY(CI)

```
Last login: Mon Nov 27 10:07:33 2017
[pi@ToolSpacePi:~] $ ./go/bin/crosscoap -listen [::]:5683 -backend http://141.22.28.87 -accesslog logfile.log
2017/12/04 08:55:23 crosscoap started: Listening for CoAP on UDP [::]:5683 ...
^C
[pi@ToolSpacePi:~] $ cat logfile.log
2017/12/04 09:21:18 [fe80::7b65:364c:7034:34a6%lowpan0]:5683: CoAP PUT URI-Path=sensor URI-Query=[]
```

BACKEND(CI)

```
141.22.27.50:2507 -> 141.22.28.87:80 [AF]
00 00 00 00 00 00          .....

141.22.28.248:47064 -> 141.22.28.87:80 [AF]
50 55 54 20 2f 6c 6f 67    69 6e 20 48 54 54 50 2f    PUT /login HTTP/
31 2e 31 0d 0a 48 6f 73    74 3a 20 31 34 31 2e 32    1.1..Host: 141.2
32 2e 32 38 2e 38 37 0d    0a 55 73 65 72 2d 41 67    2.28.87..User-Ag
65 6e 74 3a 20 63 72 6f    73 73 63 6f 61 70 2f 31    ent: crosscoap/1
2e 30 0d 0a 43 6f 6e 74    65 6e 74 2d 4c 65 6e 67    .0..Content-Leng
74 68 3a 20 31 34 0d 0a    43 6f 6e 74 65 6e 74 2d    th: 14..Content-
54 79 70 65 3a 20 74 65    78 74 2f 70 6c 61 69 6e    Type: text/plain
3b 63 68 61 72 73 65 74    3d 75 74 66 2d 38 0d 0a    ;charset=utf-8..
41 63 63 65 70 74 2d 45    6e 63 6f 64 69 6e 67 3a    Accept-Encoding:
20 67 7a 69 70 0d 0a 0d    0a 35 35 30 63 33 34 32    gzip....550c342
61 34 37 30 38 30 34          a470804

141.22.28.87:80 -> 141.22.28.248:47064 [AF]
48 54 54 50 2f 31 2e 31    20 32 30 30 20 0d 0a 43    HTTP/1.1 200 ..C
6f 6e 74 65 6e 74 2d 54    79 70 65 3a 20 61 70 70    ontent-Type: app
6c 69 63 61 74 69 6f 6e    2f 6a 73 6f 6e 3b 63 68    lication/json;ch
61 72 73 65 74 3d 55 54    46 2d 38 0d 0a 54 72 61    arset=UTF-8..Tra
6e 73 66 65 72 2d 45 6e    63 6f 64 69 6e 67 3a 20    nsfer-Encoding:
63 68 75 6e 6b 65 64 0d    0a 44 61 74 65 3a 20 4d    chunked..Date: M
6f 6e 2c 20 30 34 20 44    65 63 20 32 30 31 37 20    on, 04 Dec 2017
31 30 3a 30 32 3a 33 36    20 47 4d 54 0d 0a 0d 0a    10:02:36 GMT...
35 32 0d 0a 7b 22 69 64    22 3a 31 2c 22 6e 61 6d    52..{"id":1,"nam
65 22 3a 22 46 6c 6f 72    69 61 6e 22 2c 22 75 5f    e":"Florian","u
6c 76 6c 22 3a 32 2c 22    74 69 6d 65 22 3a 32 33    lvl":2,"time":23
31 33 34 32 2c 22 6c 6f    67 69 6e 22 3a 31 2c 22    1342,"login":1,"
6e 66 63 22 3a 22 35 35    30 63 33 34 32 61 34 37    nfc":"550c342a47
30 38 30 34 22 7d 0d 0a          080401
```

FRONTEND (CI)

ToolSpace

Nutzer

Werkzeuge

Sensordaten

Smartkitchen

Gateway

| Florian || Florian || Florian || Simon || Peter |

Fragen?