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MSR LocalCloud

Shranite podatke o meritvah lokalno v svojem strežniku

Z MSR LocalCloud lahko shranite merilne podatke iz zapisovalnikov podatkov MSR na lastnem strežniku (podjetja). Odgovornost in nadzor nad podatki tako ostajata popolnoma notranja.

Ne želite shranjevati merilnih podatkov brezžičnih zapisovalnikov podatkov MSR WiFi v MSR SmartCloud, ([/en/msr-smartcloud/](https://www.msr.ch/en/msr-smartcloud/)) ampak na svoj strežnik? MSR LocalCloud je optimalna rešitev, če želite nadzor in odgovornost nad merilnimi podatki ohraniti popolnoma interno.

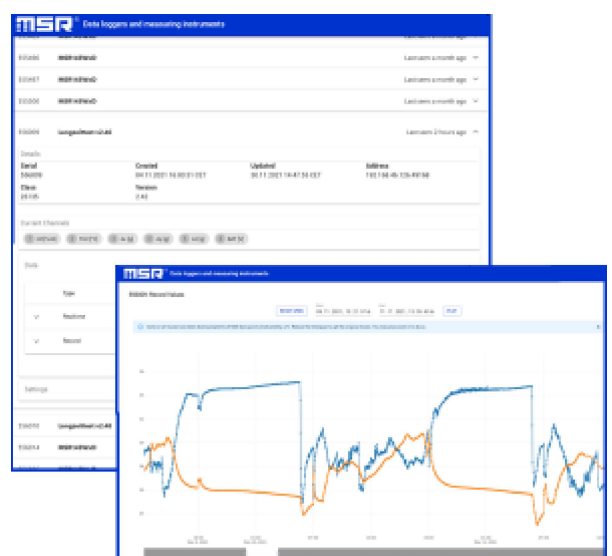
Spremljanje in dokumentiranje

(/images/LocalCloud/MSR_LocalCloud.png)

V uporabniku prijaznem MSR LocalCloud si lahko ogledate izmerjene vrednosti brezžičnih zapisovalnikov podatkov MSR (MSR145W2D ([/en/product/wifi-data-logger-msr145w2d/](https://www.msr.ch/en/product/wifi-data-logger-msr145w2d/)), MSR147W2D ([/en/product/wifi-datalogger-temperature-humidity-msr147w2d/](https://www.msr.ch/en/product/wifi-datalogger-temperature-humidity-msr147w2d/))) in po potrebi začnete ali ustavite beleženje meritev. Na vstopni strani LocalCloud «Naprave» lahko najdete podrobnosti o vsakem zapisovalniku podatkov jasno razporejene in v pogledu «V živo» si lahko ogledate dohodne podatke v realnem času.

Za boljšo vizualizacijo so podatki prikazani kot merske krivulje. Izbrana območja si lahko podrobneje ogledate s funkcijo povečave.

Za nadaljnjo obdelavo lahko posnete podatke prenesete kot Excelove, CSV ali NDJson datoteke – iz enega zapisovalnika podatkov ali iz več hkrati.

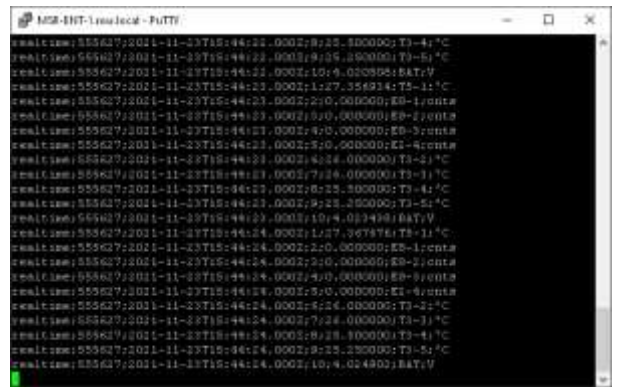


Avtomatiziran dostop do izmerjenih vrednosti

(/images/LocalCloud/MSR-msr.local-PuTTY.png)Ne želite si ogledati podatkov prek spletnega brskalnika? Nato preprosto samodejno posredujte izmerjene vrednosti ali dostopajte do baze podatkov o merjenih vrednostih neposredno s programsko opremo.

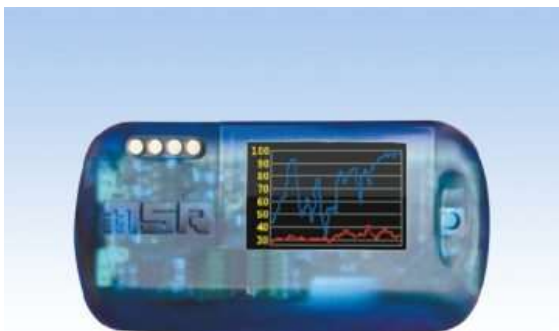
Programska oprema MSR LocalCloud vam omogoča:

- neposreden dostop do baze podatkov PostgreSQL
- samodejno shranjevanje izmerjenih vrednosti v datoteke CSV
- posredovanje izmerjenih vrednosti preko TCP
- posredovanje izmerjenih vrednosti prek MQTT



Združljivi zapisovalniki podatkov: MSR145W2D in MSR147W2D

Zahvaljujoč vgrajenemu modulu WiFi lahko dva brezžična zapisovalnika podatkov MSR145W2D (/en/product/wifi-data-logger-msr145w2d/) in MSR147W2D (/en/product/wifi-datalogger-temperature-humidity-msr147w2d/) preneseta posnete merilne podatke neposredno v MSRLocalCloud. Integracija zapisovalnikov podatkov v obstoječe omrežje WiFi ali – prek dostopne točke, po potrebi z mobilnim radijskim dostopom – v ločeno radijsko omrežje.



Configuration examples MSR LocalCloud

We recommend installing MSR LocalCloud on a PC that is always switched on. This is the only way to ensure that incoming measured values from the individual data loggers can be received immediately.

However, for a first familiarization with MSR LocalCloud, you can also start it directly from a Windows PC with the prepared sample configurations. All configuration options are listed by calling LocalCloud with the `–help` parameter.

Example 1: Measurement storage in locally embedded PostgreSQL database

Start the sample configuration `edb.bat`. The incoming measured values are now automatically stored in the PostgreSQL database <https://www.postgresql.org/> (<https://www.postgresql.org/>). The excerpt of the command line shows the last arrived measured values.

```
Eingabeaufforderung - psql --u x Settings
C:\Programme2\PostgreSQL\14\bin>psql --username localcloud --host localhost --port 12521
Password for user localcloud:
psql (14.1, server 13.2)
Type "help" for help.

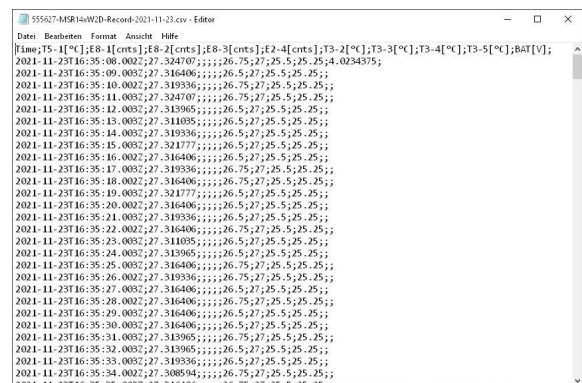
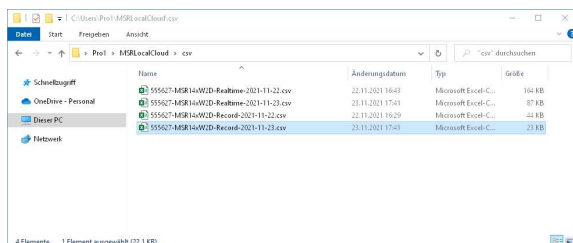
localcloud=# SELECT serial, created address FROM device;
 serial |          address
-----+-----
555627 | 2021-11-22 16:07:59.281851+01
(1 row)

localcloud=# SELECT * FROM reading WHERE id<10;
 id | type |          time          | value | serial | channel | id_reading_config
----+----+-----+-----+-----+-----+-----
  1 |  2 | 2021-11-23 16:55:45+01 | 27.134277 | 555627 |      1 |              1
  2 |  2 | 2021-11-23 16:55:45+01 |      0 | 555627 |      2 |              1
  3 |  2 | 2021-11-23 16:55:45+01 |      0 | 555627 |      3 |              1
  4 |  2 | 2021-11-23 16:55:45+01 |      0 | 555627 |      4 |              1
  5 |  2 | 2021-11-23 16:55:45+01 |      0 | 555627 |      5 |              1
  6 |  2 | 2021-11-23 16:55:45+01 | 26.25 | 555627 |      6 |              1
  7 |  2 | 2021-11-23 16:55:45+01 | 26.5 | 555627 |      7 |              1
  8 |  2 | 2021-11-23 16:55:45+01 | 25.5 | 555627 |      8 |              1
  9 |  2 | 2021-11-23 16:55:45+01 | 25.25 | 555627 |      9 |              1
(9 rows)

localcloud=#
```

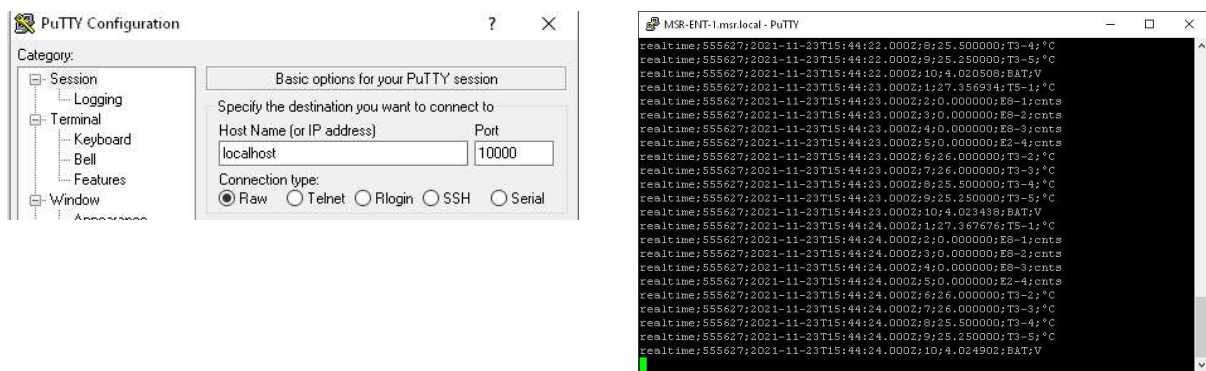
Example 2: Measured value storage in CSV files

Start the example configuration csv.bat. The incoming measured values are now automatically stored in a CSV file.



Example 3: Forwarding of the measured values via TCP

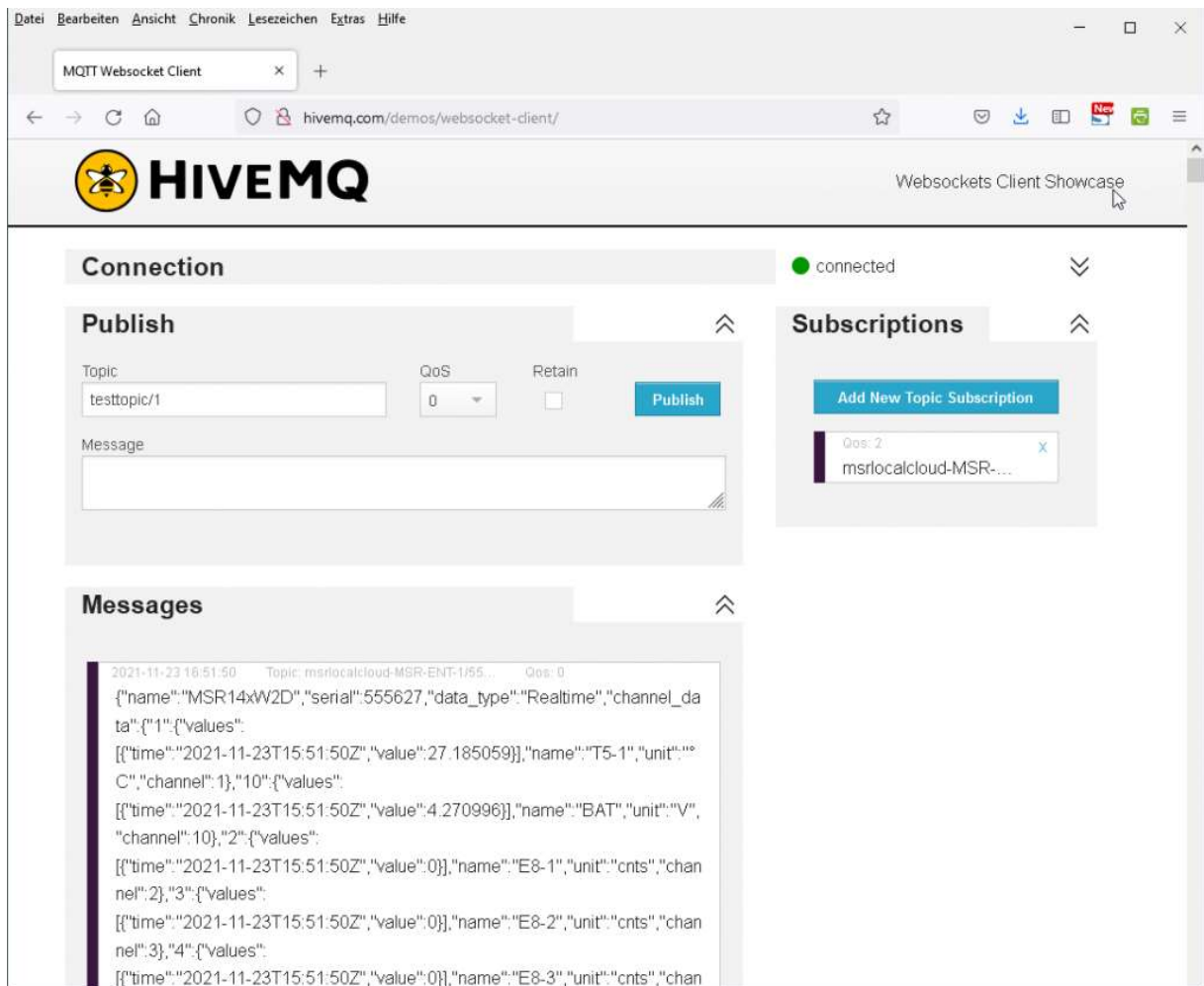
part the example configuration `tcp.bat`. The incoming measured values are now automatically forwarded via TCP. The well-known terminal program PuTTY <https://www.putty.org> (<https://www.putty.org/>) serves here as receiver.



Example 4: Forwarding the measured values via MQTT

part the example configuration `mqtt.bat`. The incoming measured values are now automatically forwarded to the MQTT broker HiveMQ <https://www.hivemq.com/public-mqtt-broker/>.

ps://www.hivemq.com/public-mqtt-broker/) You can retrieve the measured values from there via your browser.



Download MSR Local Cloud

Our software is scanned for viruses with Microsoft Defender.

System requirements: Windows 7 or higher, USB port

- MSR LocalCloud pc software (windows)
(/media/downloads/pcsoftware/msrlocalcloud_win_d2021-12-03_vs1-0.zip) (2021-12-03, v1.0, MD5: 9239f85325a5544202d149b434e66dba)
- MSR LocalCloud pc software (linux)
(/media/downloads/pcsoftware/msrlocalcloud_linux_d2021-12-03_vs1-0.zip) (2021-12-03, v1.0, MD5: 11301ee8e0edd0a2f4de4e47edc1de52)



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Download (linux) (/media/downloads/pcsoftware/msrlocalcloud_linux_d2021-12-03_vs1-0.zip)

More information

- We will inform you about updates via newsletter.
- If you have any questions, please consult our list of frequently asked questions (FAQ) (</en/support/faq/>), contact the point of sale (</en/contact/>) where you purchased your data logger or contact our support. (<https://karabeg.xyz/en/contact/>)

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Zahteva za popravilo (<https://www.msr.ch/en/support/repair-request/>)

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