

Stats4Lox::influx_lineprot

```
$line = influx_lineprot( $timestamp, $measurement, \%tags, \%fields );
```

Creates text in InfluxDB line format protocol for writing points to an Influx database. For details about the line protocol, please visit the Influx DB

documentation: https://docs.influxdata.com/influxdb/v1.8/write_protocols/line_protocol_tutorial/

The **first** parameter is the **Timestamp** of the datapoint in nanosecond-precision Unix time. This is optional.

The **second** parameter is the name of the **Measurement** that you want to write your data to. This is mandatory.

The **third** parameter is a hash with **Tag(s)** that you want to include with your data point. This is optional.

The **fourth** parameter is a hash with **Fields(s)** for your data point. Every data point requires at least one field in line protocol. So at least one field is mandatory.

Parameter

Parameter	Required	Beschreibung
\$timestamp		Timestamp of the datapoint in nanosecond-precision Unix time in UTC timezone. Use undef for current time.
\$measurement	x	The name of the measurement.
\%tags		Hash with tags to include with your data point. Use undef if you do not want to add tags.
\%fields	x	Hash with fields for your data point.

Return value

Parameter	Description
1. return	The text in Influx line protocol

The **first** return value is the text in Influx line protocol. It can be send to influx using the HTTP API or the command line interface:

https://docs.influxdata.com/influxdb/v1.8/write_protocols/line_protocol_tutorial/#getting-data-in-the-database

A function call will looks like this:

```
my ( $line ) = influx_lineprot( $timestamp, $measurement, \%tags, \%fields );
```

The response looks like this:

```
my_measurement,tag1=This\ is\ tag\ 1,tag2=This\ is\ tag\ 2 field1="A\
String",field2=20i,field3=10.2 1616935446000000
```

Usage

```
#!/usr/bin/perl

use LoxBerry::System;
require "$lbpbindir/libs/Stats4Lox.pm";

# Debug: Set to 1 for debug output to STDERR.
$Stats4Lox::DEBUG = 0;
$Stats4Lox::DUMP = 0;

# Hash with Tags
my %tags = (
    'tag1' => 'This is tag 1',
    'tag 2' => 'This is tag 2 with spaces',
    'tag3' => 'This is tag 3'
);

# Hash with Fields
my %fields = (
    'field1' => '10',
    'field 2' => '20i', # integer, field with spaces
    'field3' => 'A String' # string
);

# Measurement
my $measurement = "Meine Loxone Daten";

# Timestamp in nanoseconds (use undef for current timestamp)
my $timestamp = time() * 1000 * 1000;

my ($line) = Stats4Lox::influx_lineprot( $timestamp, $measurement, \%tags,
    \%fields );

print "This is the line to send to InfluxDB:\n";
print "$line\n";
```

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Last update: **2022/09/10 12:18**