

# InfluxDB

Database that writes and queries data to then be used to populate Grafana Dashboards

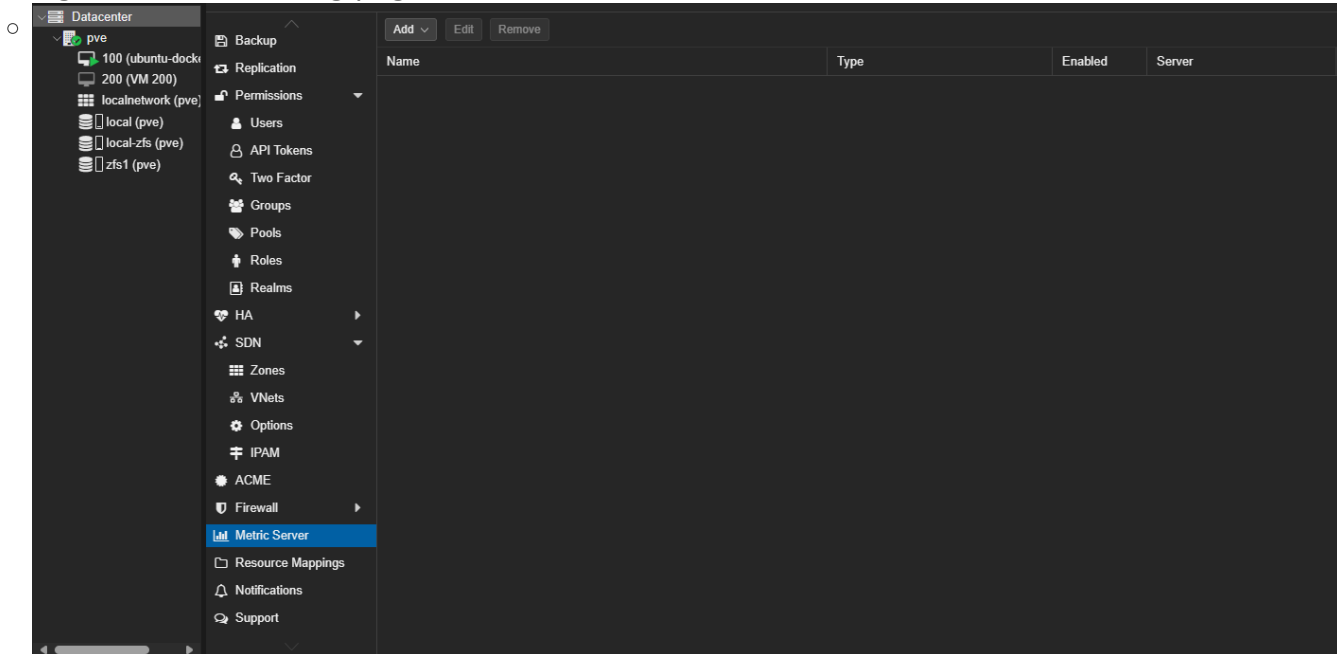
Check out the Docker shelf to see how to set up the [InfluxDB container here](#)

- [Proxmox Connection](#)

# Proxmox Connection

With your InfluxDB container running, you can now configure Proxmox to send data to it via the IP address and Port Number you assigned it.

- Navigate to the following page: Datacenter ---> Metrics Server



- Select Add and enter your InfluxDB information:
  - Create an API Token via the InfluxDB GUI and save it to be entered here:

A screenshot of the 'Edit: InfluxDB: influxdb2' configuration window in Proxmox. The window has a title bar with a close button. It contains several fields for configuration: 'Name' (influxdb2), 'Enabled' (checked), 'Server' (192.168.2.17), 'Organization' (homeLAB), 'Port' (8086), 'Bucket' (proxmox), 'Protocol' (HTTP), 'Token' (unchanged), 'API Path Prefix' (empty), 'Batch Size (b)' (25000000), 'Timeout (s)' (1), 'MTU' (1500), and 'Verify Certificate' (checked). At the bottom, there is a 'Help' button, an 'Advanced' checkbox (checked), and 'OK' and 'Reset' buttons.

- Click ok, and navigate back to your InfluxDB GUI. To confirm it's worked, navigate to the Data Explorer tab. Select your bucket, and you should start to see categories of Proxmox data:

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# Data Explorer

Simple Table

CUSTOMIZE

UTC

table	_measurement	_field	_value	_time	host	nodename	object	vm1
last	group string	group string	no group double	no group dateTime:RFC3339	group string	group string	group string	group string
0	system	cpu	0	2024-03-23T23:29:24.000Z	VM 200	pve	qemu	200
0	system	cpu	0	2024-03-23T23:29:34.000Z	VM 200	pve	qemu	200
0	system	cpu	0	2024-03-23T23:29:44.000Z	VM 200	pve	qemu	200

12345...8

Query 1 (0.07s)

View Raw Data

Past 1m

SCRIPT EDITOR

FROM

Search buckets

homeLAB

OPNsense

proxmox

\_monitoring

\_tasks

+ Create Bucket

Filter

\_measurement

3

Search \_measurement tag values

☐ ballooninfo

☐ blockstat

☒ cpustat

☒ memory

☐ nics

☐ proxmox-support

☒ system

Filter

\_field

2

Search \_field tag values

☒ cpu

☒ cpus

☐ ctime

☐ disk

☐ diskread

☐ diskwrite

☐ enabled

☐ freemem

☐ guest

Filter

host

3

Search host tag values

☒ VM 200

☒ pve

☒ ubuntu-docker-engine

Filter

nodename

1

Search nodename tag values

☒ pve

WINDOW PERIOD

CUSTOM

auto (1s)

Fill missing values

AGGREGATE FUNCTION

CUSTOM

mean

median

last

○ Your InfluxDB is now actively collecting data!