

# InfluxDB Query Plugin

## Plugin Information

View InfluxDB Query [on the plugin site](#) for more information.

- [Description](#)
  - [Installation](#)
    - [Prerequisites](#)
  - [Global Configuration](#)
    - [Configuration parameter:](#)
  - [Job Post Step Configuration](#)
    - [Configuration parameters](#)
- [Change Log](#)
  - [Version 1.0 \(2018-11-20\)](#)
    - [Release notes of 1.0](#)
  - [Version 1.1 \(2018-11-28\)](#)
    - [Release notes of 1.1](#)
  - [Version 1.2 \(2018-12-12\)](#)
    - [Release notes of 1.2](#)

## Description

The plugin provides a mechanism for querying InfluxDB as a post build step for use as a deployment gateway. Using a time series database to for aggregating testing and development tool data makes sense if you can query it after all the testing is complete to determine if a build is stable.

## Installation

### Prerequisites

- Jenkins running on Java 1.7 or later

## Global Configuration

Select Manage Jenkins -> *Configure System*, scroll to InfluxDB Query Plugin

### Influx Query Plugin

InfluxDB URL	<input type="text" value="http://localhost:8086/"/>	
InfluxDB Database	<input type="text" value="jmeter"/>	
InfluxDB User	<input type="text" value="admin"/>	
InfluxDB Password	<input type="password" value="....."/>	

Test Connection

### Configuration parameter:

- **InfluxDB URL:** The complete url including port of the Influxdb e.g. <http://localhost:8086> or <http://host.domain.com:8086>
- **InfluxDB Database:** Database name where relevant events are stored e.g. *devops*
- **InfluxDB User:** InfluxDB username with access to the relevant events.
- **InfluxDB Password:** Password for InfluxDB user.

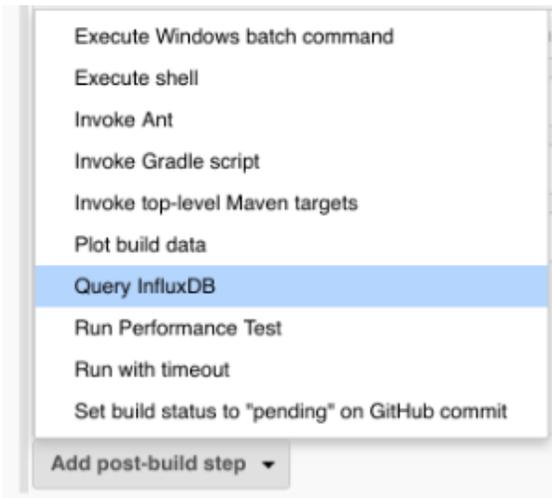
Test connection would show you a count of available metrics.

If the count shows 0 measurements, credentials are correct but database may be wrong.

If credentials are incorrect you will receive an authentication error.

## Job Post Step Configuration

On Job, select Add Post-build step, select Query InfluxDB:



Then configure:

### Post Steps

Run only if build succeeds
  Run only if build succeeds or is unstable
  Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Query InfluxDB
X

Check Name	<input type="text" value="Check Response time of Load Test"/>	?
Influx Query	<input type="text" value="select mean(avg) from jmeter where transaction = 'all'"/>	?
Expected threshold	<input type="text" value="550"/>	?
Retry Count	<input type="text" value="5"/>	?
Retry Interval	<input type="text" value="30"/>	?
Mark Build Unstable	<input type="checkbox"/>	?
Show Query Results	<input type="checkbox"/>	?

## Configuration parameters

- **Check Name:** Name for the check to be run, it is display in console for better understanding of performed check.
- **Influx Query:** InfluxDB select query supposed to return 1 value. It can be a sum, count or function returning only one value. May use Jenkins tokens such as build number in the query. e.g. :

```
select count(errors) from DevOps where application = 'ArchRival2.1' deployment = '2-1-${BUILD_NUMBER}'.
```

It may also be a query against any metric in InfluxDB that is filled by a step of the build, for example if you run a Load Test with [Apache JMeter](#) with an [Backend Listener](#) with [InfluxdbBackendListenerClient](#) client, you could query the errors to fail a build:

```
select 100*sum(countError)/sum(count) from jmeter where application = 'mygreatapp' and buildNumber = '${BUILD_TAG}'
```

- **Expected Threshold:** Threshold for the value returned by query result. If exceeded and if Mark Build Unstable is selected, the build will be marked unstable.
- **Retry Count:** Number of times to execute the query as a single post-build step.
- **Retry Interval:** Time to wait in between each query in seconds.
- **Mark Build Unstable:** Check if we should mark the build unstable if the Max Record Count is exceeded.
- **Show Query Results:** Check if we should display the query results in the Jenkins console.

You can configure multiple Queries.

For any issue please report at our [official repository](#).

## Change Log

Version 1.0 (2018-11-20)

[Release notes of 1.0](#)

Version 1.1 (2018-11-28)

[Release notes of 1.1](#)

**Version 1.2 (2018-12-12)**

[Release notes of 1.2](#)