



# PostgreSQL Data Collector

## Cloud Insights

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# PostgreSQL Data Collector

Cloud Insights uses this data collector to gather metrics from PostgreSQL.

## Installation

1. From **Admin > Data Collectors**, click **+Data Collector**. Under **Services**, choose PostgreSQL.

Select the Operating System or Platform on which the Telegraf agent is installed.

2. If you haven't already installed an Agent for collection, or you wish to install an Agent for a different Operating System or Platform, click *Show Instructions* to expand the [Agent installation](#) instructions.
3. Select the Agent Access Key for use with this data collector. You can add a new Agent Access Key by clicking the **+ Agent Access Key** button. Best practice: Use a different Agent Access Key only when you want to group data collectors, for example, by OS/Platform.
4. Follow the configuration steps to configure the data collector. The instructions vary depending on the type of Operating System or Platform you are using to collect data.




## PostgreSQL Configuration

Gathers PostgreSQL metrics.

### What Operating System or Platform Are You Using?

[Need Help?](#)

 RHEL & CentOS

### Select existing Agent Access Key or create a new one

Default (405fb5ec-d4cb-4404-977b-71fa931e1ad3)

[+ Agent Access Key](#)

\*Please ensure that you have a Telegraf Agent in you environment before configuring [Show Instructions](#)

### Follow Configuration Steps

[Need Help?](#)

- 1 Copy the contents below into a new .conf file under the /etc/telegraf/telegraf.d/ directory. For example, copy the contents to the /etc/telegraf/telegraf.d/cloudinsights-postgresql.conf file.

```
[[inputs.postgresql]]
# USER-ACTION: Provide credentials for access, address of PostgreSQL server, port for
PostgreSQL server, one DB for access
address = "postgres://<INSERT_USERNAME>:<INSERT_PASSWORD>@<INSERT_POSTGRESQL_ADDRESS>:
<INSERT_POSTGRESQL_PORT>/<INSERT_DB>"
```

- 2 Replace <INSERT\_USERNAME> and <INSERT\_PASSWORD> with the applicable PostgreSQL credentials.
- 3 Replace <INSERT\_POSTGRESQL\_ADDRESS> with the applicable PostgreSQL address. Please specify a real machine address, and refrain from using a loopback address.
- 4 Replace <INSERT\_POSTGRESQL\_PORT> with the applicable PostgreSQL port.
- 5 Replace <INSERT\_DB> with the applicable PostgreSQL database.
- 6 Modify 'Namespace' if needed for server disambiguation (to avoid name clashes).
- 7 Restart the Telegraf service.

```
systemctl restart telegraf
```

## Setup

Information may be found in the [PostgreSQL documentation](#).

# Objects and Counters

The following objects and their counters are collected:

Object:	Identifiers:	Attributes:	Datapoints:
PostgreSQL Server	Namespace Database Server	Node Name Node IP	Buffers Allocated Buffers Backend Buffers Backend File Sync Buffers Checkpoint Buffers Clean Checkpoints Sync Time Checkpoints Write Time Checkpoints Requests Checkpoints Timed Max Written Clean
PostgreSQL Database	Namespace Database Server	Database OID Node Name Node IP	Blocks Read Time Blocks Write Time Blocks Hits Blocks Reads Conflicts Deadlocks Client Number Temp Files Bytes Temp Files Number Rows Deleted Rows Fetched Rows Inserted Rows Returned Rows Updated Transactions Committed Transactions Rollbacked

## Troubleshooting

Additional information may be found from the [Support](#) page.

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