



PostgreSQL Data Collector

Cloud Insights

Tony Lavoie

February 28, 2020

This PDF was generated from https://docs.netapp.com/us-en/cloudinsights/task_config_telegraf_postgresql.html on May 19, 2020. Always check docs.netapp.com for the latest.

Table of Contents

- PostgreSQL Data Collector 1
 - Installation..... 1
 - Setup 2
 - Objects and Counters..... 3
 - Troubleshooting 3

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.

Copyright Information

Copyright © 2020 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system-without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.