



# Zookeeper Data Collector

## Cloud Insights

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# Zookeeper Data Collector

Cloud Insights uses this data collector to gather metrics from Apache Zookeeper.

## Installation

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

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.



## ZooKeeper Configuration

Gathers ZooKeeper 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-zookeeper.conf file.

```
[[inputs.zookeeper]]
  ## USER-ACTION: Provide comma-separated list of ZooKeeper IP(s) and port(s)
  ## Please specify actual machine IP address, and refrain from using a loopback address (i.e.
  ## localhost or 127.0.0.1)
  ## When configuring with multiple ZooKeeper servers, enter them in the format ["server1"
```

- 2 Replace <INSERT\_ZOOKEEPER\_ADDRESS> with the applicable Zookeeper address. Please specify a real machine address, and refrain from using a loopback address.
- 3 Replace <INSERT\_ZOOKEEPER\_PORT> with the applicable Zookeeper port.
- 4 Restart the Telegraf service.

```
systemctl restart telegraf
```

## Setup

At a minimum, you need to whitelist the Zookeeper four letter server commands mntr, srvr, and stat. You can enable these commands using the following format: 4lw.commands.whitelist=mntr, srvr, stat in the zoo.cfg file.

There may be other four letter commands that are required in your configuration. See the [Zookeeper](#) documentation for more information.

## Objects and Counters

The following objects and their counters are collected:

Object:	Identifiers:	Attributes:	Datapoints:
ZooKeeper	Namespace Server	State Node IP Node Name Port	Approximate Data Size Average Latency Ephemerals Count Max File Descriptor Count Max Latency Min Latency Number Of Alive Connections Open File Descriptor Count Outstanding Requests Watch Count Znode Count

# Troubleshooting

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

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