# Zookeeper Data Collector

Cloud Insights

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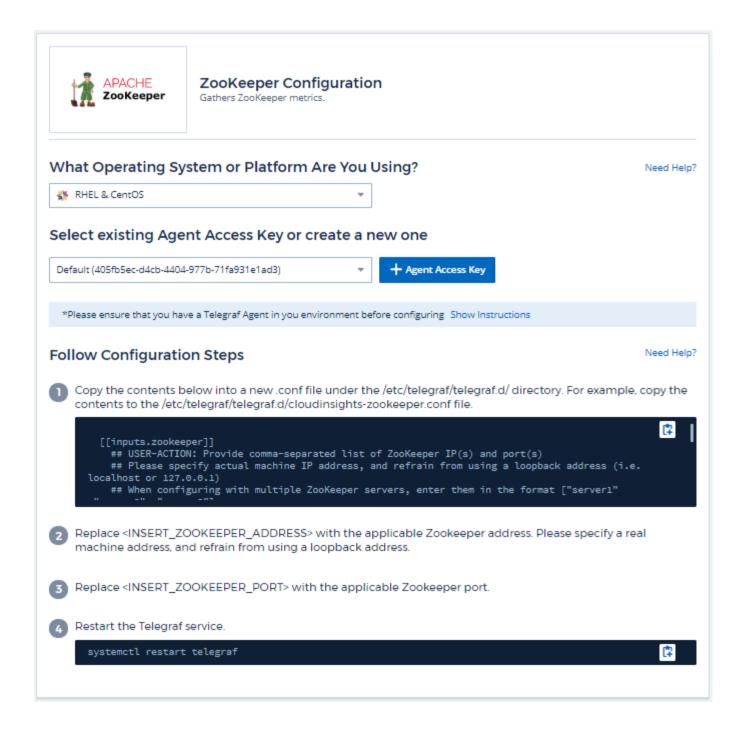
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## **Zookeeper Data Collector**

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.



### 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	State	Approximate Data Size
	Server	Node IP	Average Latency
		Node Name	Ephemerals Count
		Port	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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