



# **Nginx Data Collector**

## **Cloud Insights**

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# Nginx Data Collector


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

## Installation

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

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.



**Nginx Configuration**  
Gathers Nginx metrics.

**What Operating System or Platform Are You Using?** [Need Help?](#)

Ubuntu & Debian

**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 If you already have a URL enabled to provide Nginx metrics, go directly to the plugin configuration.
- 2 Nginx metrics are available through a status page when the HTTP stub status module is enabled. Refer to the below link for verifying/enabling `http_stub_status_module`.

```
http://nginx.org/en/docs/http/nginx_http_stub_status_module.html
```

- 3 After verifying the module is enabled, modify the Nginx configuration to set up a locally-accessible URL for the status page:

```
server {  
    listen    <PORT NUMBER>;  
    Please specify actual machine IP address, and refrain from using a loopback address (i.e.  
    localhost or 127.0.0.1)  
    server_name <IP ADDRESS>;  
    location /nginx_status {  
        stub_status on;  
    }  
}
```

- 4 Reload the configuration:

```
nginx -s reload
```

- 5 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-nginx.conf` file.

```
[[inputs.nginx]]  
  ## USER-ACTION: Provide Nginx status url  
  ## Please specify actual machine IP address where nginx_status is enabled, and refrain from  
  using a loopback address (i.e. localhost or 127.0.0.1).  
  ## When configuring with multiple Nginx servers, enter them in the format ["url1", "url2",  
  "url3"]
```

- 6 Replace `<INSERT_NGINX_ADDRESS>` with the applicable Nginx address. Please specify a real machine address, and refrain from using a loopback address.
- 7 Replace `<INSERT_NGINX_PORT>` with the applicable Nginx port.
- 8 Restart the Telegraf service.

```
systemctl restart telegraf
```

## Setup

Nginx metric collection requires that Nginx [http\\_stub\\_status\\_module](#) be enabled.

Additional information may be found in the [Nginx documentation](#).

## Objects and Counters

The following objects and their counters are collected:

Object:	Identifiers:	Attributes:	Datapoints:
Nginx	Namespace Server	Node IP Node Name Port	Accepts Active Handled Reading Requests Waiting Writing

## Troubleshooting

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

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