Apache Data Collector

Cloud Insights

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Apache Data Collector

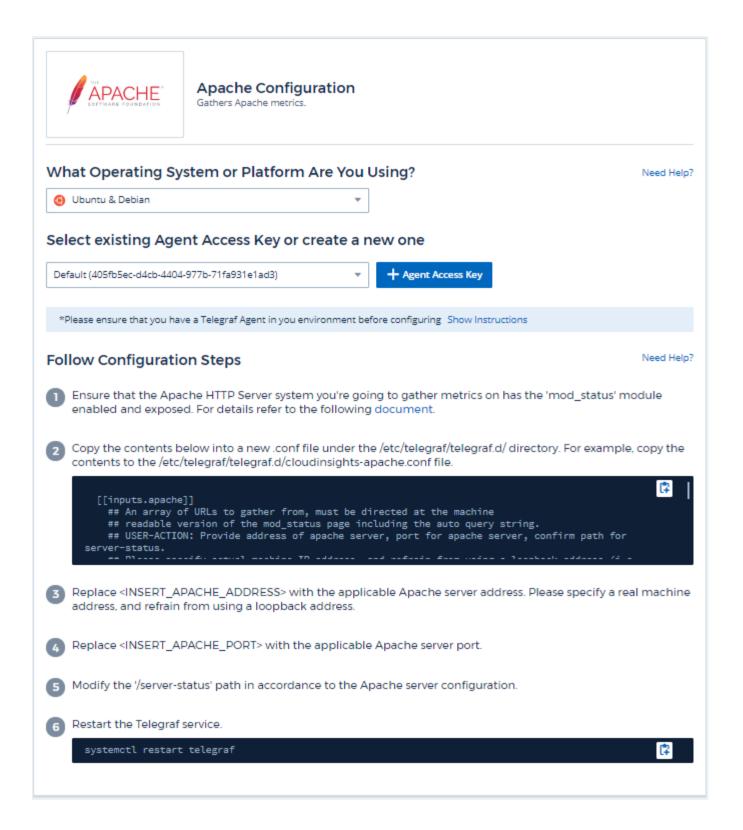
This data collector allows collection of data from Apache servers in your environment.

Pre-requisites

- You must have your Apache HTTP Server set up and properly running
- You must have sudo or administrator permissions on your agent host/VM
- Typically, the Apache *mod_status* module is configured to expose a page at the '/server-status?auto' location of the Apache server. The *ExtendedStatus* option must be enabled in order to collect all available fields. For information about how to configure your server, see the Apache module documentation: https://httpd.apache.org/docs/2.4/mod/mod_status.html#enable

Installation

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

Telegraf's plugin for Apache's HTTP Server relies on the 'mod_status' module to be enabled. When this is enabled, Apache's HTTP Server will expose an HTML endpoint that can be viewed on your browser or scraped for extraction of status of all Apache's HTTP Server configuration.

Compatibility:

Configuration was developed against Apache's HTTP Server version 2.4.38.

Enabling mod status:

Enabling and exposing the 'mod_status' modules involves two steps:

- · Enabling module
- Exposing stats from module

Enabling module:

The loading of modules is controlled by the config file under '/usr/local/apache/conf/httpd.conf'. Edit the config file and uncomment the following lines:

```
LoadModule status_module modules/mod_status.so
```

```
Include conf/extra/httpd-info.conf
```

Exposing stats from module:

The exposing of 'mod_status' is controlled by the config file under '/usr/local/apache2/conf/extra/httpd-info.conf'. Make sure you have the following in that configuration file (at least, other directives will be there):

```
# Allow server status reports generated by mod_status,
# with the URL of http://servername/server-status
<Location /server-status>
    SetHandler server-status
</Location>

# 
# ExtendedStatus controls whether Apache will generate "full" status
# information (ExtendedStatus On) or just basic information (ExtendedStatus
# Off) when the "server-status" handler is called. The default is Off.
# 
ExtendedStatus On
```

For detailed instructions on the 'mod_status' module, see the Apache documentation

Objects and Counters

The following objects and their counters are collected:

Object:	Identifiers:	Attributes:	Datapoints:
Apache	Namespace	Node IP	Busy Workers
	Server	Node Name	Bytes per Request
		Port	Bytes per Second
		Parent Server Config	CPU Children System
		Generation	CPU Children User
		Parent Server MPM	CPU Load
		Generation	CPU System
		Server Uptime	CPU User
		Is Stopping	Asynchronous
			Connections Closing
			Asynchronous
			Connections Keep Alive
			Asynchronous
			Connections Writing
			Connections Total
			Duration per Request
			Idle Workers
			Load Average (last 1m)
			Load Average (last 15m)
			Load Average (last 5m)
			Processes
			Requests per Second
			Total Accesses
			Total Duration
			Total KBytes
			Scoreboard Closing
			Scoreboard DNS
			Lookups
			Scoreboard Finishing
			Scoreboard Idle Cleanup
			Scoreboard Keep Alive
			Scoreboard Logging
			Scoreboard Open
			Scoreboard Reading
			Scoreboard Sending
			Scoreboard Starting
			Scoreboard Waiting

Troubleshooting

Additional information may be found from the Support page.

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