
collectd_transmission Documentation

Release 3.1

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CHAPTER 1

Introduction

A python plugin for integrating collectd and transmission. With this installed, collectd will be querying transmission for the following:

Per session and cumulative:

- downloadedBytes
- uploadedBytes
- filesAdded
- secondsActive

General:

- activeTorrentCount
- blocklist_size
- downloadSpeed
- uploadSpeed
- pausedTorrentCount
- torrentCount

and creating the relevant RRD files (or pushing to graphite or whatever you have collectd doing)

Some of these metrics are per session, some session cumulative, some are session independent. Their type 'current', 'cumulative', 'general' is set in the name of the metric and the name of the metric is mostly self explanatory

2.1 Prerequisites

Those are collectd and transmission

I assume a Debian system here, amend accordingly for your system

If you have not already installed transmission, install it:

```
apt-get install transmission-daemon
```

The above install the daemon cause a headless box is assumed. It should probably work with a non headless box as well and a normal transmission installation but this has not been tested.

Install the python transmission binding via either the system packages

```
apt-get install python-transmissionrpc
```

or plain pip

```
pip install transmissionrpc
```

Install collectd.

```
apt-get install collectd
```

2.2 Install collectd_transmission

There are two ways to achieve this for now

2.2.1 Use the python package

```
pip install collectd_transmission
```

2.2.2 Do it manually

Clone the repo, copy the module directory somewhere in your filesystem

CHAPTER 3

Configure

Insert the following in your `collectd.conf`:

```
<Plugin python>
  ModulePath "/path/to/module/dir" # Not needed if installed via pip or package
  LogTraces false
  Interactive false
  Import "collectd_transmission"
  <Module collectd_transmission>
    username "myuser" # Required
    password "mypass" # Required
    address "http://localhost:9091/transmission/rpc" # Optional, defaults to
    ↪ "http://localhost:9091/transmission/rpc"
    timeout "5" # Optional, defaults to 5
  </Module>
</Plugin>
```

modified accordingly to your needs. Restart collectd and you are done.

```
sudo service collectd restart
```

There should be RRDs for transmission under collectd's data directory. Most probably that is `/var/lib/collectd/rrd/<hostname>/transmission/`

CHAPTER 4

Compatibility

As long as you can install collectd 5.x with the python plugin and transmissionrpc 0.11 it should work out of the box

CHAPTER 5

Development

Developed initially on a Debian Wheezy system.

That used to mean:

- collectd 5.1
- transmissionrpc 0.8

Since then few things have changed (we no longer support transmissionrpc 0.8) and python < 3.4. Still supporting python 2.7

Development now continues on a Debian Stretch system. Which means:

- collectd 5.7
- transmissionrpc 0.11

There is extra testing via automated means but there only so much it can do

Feel free to submit PRs for other systems support

CHAPTER 6

API Documentation

CHAPTER 7

Indices and tables

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