

This version of GitHub Enterprise was discontinued on 2023-03-15. No patch releases will be made, even for critical security issues. For better performance, improved security, and new features, [upgrade to the latest version of GitHub Enterprise](#). For help with the upgrade, [contact GitHub Enterprise support](#).

Configuring collectd

In this article

- Set up an external collectd server
- Enable collectd forwarding on GitHub Enterprise
- Exporting collectd data with ghe-export-graphs
- Troubleshooting

GitHub Enterprise can gather data with `collectd` and send it to an external `collectd` server. Among other metrics, we gather a standard set of data such as CPU utilization, memory and disk consumption, network interface traffic and errors, and the VM's overall load.

Set up an external `collectd` server

If you haven't already set up an external `collectd` server, you will need to do so before enabling `collectd` forwarding on your GitHub Enterprise Server instance. Your `collectd` server must be running `collectd` version 5.x or higher.


- 1 Log into your `collectd` server.
- 2 Create or edit the `collectd` configuration file to load the network plugin and populate the server and port directives with the proper values. On most distributions, this is located at `/etc/collectd/collectd.conf`

An example `collectd.conf` to run a `collectd` server:

```
LoadPlugin network
...
...
<Plugin network>
    Listen "0.0.0.0" "25826"
</Plugin>
```

Enable collectd forwarding on GitHub Enterprise

By default, `collectd` forwarding is disabled on GitHub Enterprise. Follow the steps below to enable and configure `collectd` forwarding:

- 1 From an administrative account on GitHub Enterprise Server, in the upper-right corner of any page, click .

- 2 If you're not already on the "Site admin" page, in the upper-left corner, click **Site admin**.
- 3 In the "🔗 Site admin" sidebar, click **Management Console**.
- 4 Below the log forwarding settings, select **Enable collectd forwarding**.
- 5 In the **Server address** field, type the address of the `collectd` server to which you'd like to forward GitHub Enterprise appliance statistics.
- 6 In the **Port** field, type the port used to connect to the `collectd` server. (Defaults to 25826)
- 7 In the **Cryptographic setup** dropdown menu, select the security level of communications with the `collectd` server. (None, signed packets, or encrypted packets.)
- 8 Under the "Settings" sidebar, click **Save settings**.

Note: Saving settings in the Management Console restarts system services, which could result in user-visible downtime.

- 9 Wait for the configuration run to complete.

Exporting collectd data with `ghe-export-graphs` 🔗

The command-line tool `ghe-export-graphs` will export the data that `collectd` stores in RRD databases. This command turns the data into XML and exports it into a single tarball (`.tgz`).

Its primary use is to provide the [GitHub Enterprise Support](#) team with data about a VM's performance, without the need for downloading a full Support Bundle. It shouldn't be included in your regular backup exports and there is no import counterpart. If you contact [GitHub Enterprise Support](#), we may ask for this data to assist with troubleshooting.

Usage 🔗

```
ssh -p 122 admin@[hostname] -- 'ghe-export-graphs' && scp -P 122 admin@[hostname]:~/,
```

Troubleshooting 🔗

Central collectd server receives no data 🔗

GitHub Enterprise ships with `collectd` version 5.x. `collectd` 5.x is not backwards compatible with the 4.x release series. Your central `collectd` server needs to be at least version 5.x to accept data sent from your GitHub Enterprise Server instance.

For help with further questions or issues, contact [GitHub Enterprise Support](#).

Legal

