

collectd metrics for GitHub Enterprise Server

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You can review the metrics that `collectd` gathers for your GitHub Enterprise Server instance.

About `collectd` metrics

By default, `collectd` on your GitHub Enterprise Server instance gathers metrics related to the instance's performance. For more information, see "[Configuring collectd for your instance](#)."

You can learn more about the type of data that `collectd` gathers, and you can download a CSV file that contains a full list of metrics.

Metrics gathered by `collectd` plugins

Plugins provide metrics to `collectd`. You can learn about each plugin available on your GitHub Enterprise Server instance, and you can review documentation about the plugin. To review a full list of metrics for a GitHub Enterprise Server instance, see the [CSV file with `collectd` metrics](#).

Plugin	Metrics gathered	More information
<code>cpu</code>	Amount of time spent by the instance's CPU in various states: for example, execution of user code, execution of system code, waiting for I/O operations, and remaining idle	Plugin:CPU in the <code>collectd</code> wiki
<code>curl_json</code>	On an instance in a high-availability, repository caching, or cluster configuration, data related to repository replication	Plugin:cURL-JSON in the <code>collectd</code> wiki
<code>df</code>	Usage information about the instance's file system	Plugin:DF in the <code>collectd</code> wiki
<code>disk</code>	Performance statistics for the instance's hard disks and other block devices	Plugin:Disk in the <code>collectd</code> wiki
<code>elasticsearch</code>	Statistics for Elasticsearch, which provides the instance's search functionality	phobos182/collectd-elasticsearch repository on GitHub.com

	Search functionality	GitHub.com
fhcount	Total, used, and unused file handles for the instance's Linux OS	Manpage collectd.conf(5) in the <code>collectd</code> wiki
haproxy	Front-end connections to the instance from HAProxy's management socket	mleinart/collectd-haproxy repository on GitHub.com
listener	Active and queued connections to the instance's <code>github-unicorn</code> , <code>github-gitauth</code> , and <code>github-ernicorn</code> services	N/A
load	System load average	Plugin:Load in the <code>collectd</code> wiki
memcached	Number of connections and requests handled by the instance's memcached daemon, as well as CPU resources consumed, number of items cached, number of threads, and bytes sent and received	Plugin:memcached in the <code>collectd</code> wiki
memory	Instance's memory usage	Plugin:Memory in the <code>collectd</code> wiki
minio	On an instance that uses MinIO blob storage for GitHub Actions or GitHub Packages, statistics for objects and buckets in the connected MinIO cluster from MinIO's <code>/metrics</code> endpoint	minio/minio repository on GitHub.com
mysql	Statistics related to instance's MySQL database server	Plugin:MySQL in the <code>collectd</code> wiki
netlink	Statistics related to instance's network interface	Plugin:Netlink in the <code>collectd</code> wiki
nginx	Statistics related to the instance's Nginx HTTP server	Plugin:nginx in the <code>collectd</code> wiki
nomad	Statistics related to the instance's scheduler and orchestrator, Nomad	N/A
processes	The number of processes and threads on the instance	Plugin:Processes in the <code>collectd</code> wiki
protocols	The number of TCP, UDP, and other IP packets received and sent by the instance	Plugin:Protocols in the <code>collectd</code> wiki
redis	Statistics related to the instance's key-value store in Redis	Plugin:Redis in the <code>collectd</code> wiki
statsd	Statistics sent to <code>collectd</code> using the StatsD protocol, including from a variety of features and services on the	Plugin:StatsD in the <code>collectd</code> wiki

features and services on the instance

tcpconns

The number of the instance's TCP connections in various states

[Plugin:TCPConns](#) in the `collectd` wiki

vmem

Statistics related to the virtual memory subsystem for the instance's Linux OS kernel

[Plugin:vmem](#) in the `collectd` wiki

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