

Graphite Cheatsheet

Connection

graphite-cli -h <host> -p <port>
Connect to a Graphite server

nc <graphite_server> 2003
Manually send metrics via netcat

Sending Metrics

echo "<path> <value> <timestamp>" | nc <graphite_server> 2003
Send a single metric via netcat

python3 -c "import socket, time; sock = socket.socket(); sock.connect(['<graphite_server>', 2003]); sock.send(f'test.metric {value} {int(time.time())}.encode())"
Send a metric using Python

Querying Metrics

whisper-fetch /var/lib/graphite/whisper/test/metric.wsp
Fetch raw data from Whisper database

whisper-dump /var/lib/graphite/whisper/test/metric.wsp
Dump metadata from Whisper file

curl 'http://<graphite_server>/render?target=test.metric&format=json&from=-1h'
Query metrics via HTTP API

Graphite Database Management

whisper-create /var/lib/graphite/whisper/test/metric.wsp 60:1d 300:7d 1800:30d
Create a new Whisper file with retention policies

whisper-resize /var/lib/graphite/whisper/test/metric.wsp 60:1d 300:7d 1800:90d
Resize a Whisper file (change retention)

whisper-info /var/lib/graphite/whisper/test/metric.wsp
Get info about a Whisper file

Carbon Cache Management

carbon-cache.py start
Start Carbon cache daemon

carbon-cache.py stop
Stop Carbon cache daemon

carbon-cache.py status
Check Carbon cache status

carbon-cache.py --debug start
Start Carbon cache in debug mode

Graphite Web UI

curl 'http://<graphite_server>/metrics/find?query=test.*'
Find metrics matching a pattern

curl 'http://<graphite_server>/render?target=summarize(test.metric,"1day")&format=json'
Get daily summaries in JSON format

curl 'http://<graphite_server>/render?target=test.metric&format=csv'
Get metrics in CSV format

Functions and Transformations

curl 'http://<graphite_server>/render?target=movingAverage(test.metric,10)'
Calculate moving average

curl 'http://<graphite_server>/render?target=aliasByNode(test.metric,1)'
Alias metric by a specific node

curl 'http://<graphite_server>/render?target=summarize(test.metric,"1min","sum")'
Summarize data in 1-minute intervals