Tags and Groups Cookies

JAVASCRIPT API ▼ CLOUD DOCS ▼ EXTENSIONS GUIDES INTEGRATIONS EXAMPLES

🛕 This documentation is outdated. Please visit grafana.com for the <u>latest k6 documentation</u>. 💵

Using k6 > k6 Options > Options reference

Options reference

 $Options\ define\ test-run\ behavior.\ Most\ options\ can\ be\ passed\ in\ multiple\ places.\ If\ an\ option\ is\ defined\ in$ multiple places, k6 chooses the value from the highest order of precedence.

Quick reference of options

LogFormat

| ach option has its own detailed reference in a separate section. | | | |
|--|--|--|--|
| OPTION | DESCRIPTION | | |
| Address | Address of the REST API server | | |
| Batch | Max number of simultaneous connections of a http.batch() call | | |
| Batch per host | Max number of simultaneous connections of a http.batch() call for a host | | |
| Blacklist IP | Blacklist IP ranges from being called | | |
| Block hostnames | Block any requests to specific hostnames | | |
| Compatibility mode | Support running scripts with different ECMAScript modes | | |
| Config | Specify the config file in JSON format to read the options values | | |
| Console output | Redirects logs logged by console methods to the provided output file | | |
| Discard response bodies | Specify whether response bodies should be discarded | | |
| DNS | Configure DNS resolution behavior | | |
| Duration | A string specifying the total duration of the test run; together with the vus option, it's a shortcut for a single scenario with a constant VUs executor | | |
| Execution segment | Limit execution to a segment of the total test | | |
| Exit on running | Exits when test reaches the running status | | |
| Extension options | An object used to set configuration options for cloud parameters and third-party collectors | | |
| Hosts | An object with overrides to DNS resolution | | |
| HTTP debug | Log all HTTP requests and responses | | |
| Include system Env vars | Pass the real system environment variables to the runtime | | |
| Insecure skip TLS verify | A boolean specifying whether k6 should ignore TLS verifications for connections established from code | | |
| Iterations | A number specifying a fixed number of iterations to execute of the script; together with the vus option, it's a shortcut for a single scenario with a shared iterations executor | | |
| Linger | A boolean specifying whether kó should linger around after test run completion | | |
| Local IPs | A list of local IPs, IP ranges, and CIDRs from which VUs will make requests | | |
| Log output | Configuration about where logs from kó should be send | | |
| | | | |

Specify the format of the log output

SUGGEST EDITS

Quick reference of options Address Batch Batch per host Blacklist IP Block hostnames Compatibility mode Config Console output Discard response bodies DNS Duration Extension options Execution segment

Exit on running



| Max redirects | The maximum number of HTTP redirects that k6 will follow |
|--|---|
| Minimum iteration duration | Specify the minimum duration for every single execution |
| No color | A boolean specifying whether colored output is disabled |
| No connection reuse | A boolean specifying whether kó should disable keep-alive connections |
| No cookies reset | This disables resetting the cookie jar after each VU iteration |
| No summary | disables the end-of-test summary |
| No setup | A boolean specifying whether setup() function should be run |
| No teardown | A boolean specifying whether teardown() function should be run |
| No thresholds | Disables threshold execution |
| No usage report | A boolean specifying whether kó should send a usage report |
| No VU connection reuse | A boolean specifying whether kó should reuse TCP connections |
| Paused | A boolean specifying whether the test should start in a paused state |
| Quiet | A boolean specifying whether to show the progress update in the console or not |
| Results output | Specify the results output |
| RPS | The maximum number of requests to make per second globally (discouraged, use arrival-rate executors instead) |
| Scenarios | Define advanced execution scenarios |
| | |
| Setup timeout | Specify how long the setup() function is allow to run before it's terminated |
| Setup timeout Show logs | Specify how long the setup() function is allow to run before it's terminated A boolean specifying whether the cloud logs are printed out to the terminal |
| | |
| Showlogs | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut |
| Show logs Stages | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor |
| Show logs Stages Supply environment variable | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value |
| Show logs Stages Supply environment variable System tags | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use |
| Show logs Stages Supply environment variable System tags Summary export | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use handleSummary() instead) |
| Show logs Stages Supply environment variable System tags Summary export Summary trend stats | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use handleSummary() instead) Define stats for trend metrics in the end-of-test summary |
| Show logs Stages Supply environment variable System tags Summary export Summary trend stats Summary time unit | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use handleSummary() instead) Define stats for trend metrics in the end-of-test summary Time unit to be used for all time values in the end-of-test summary |
| Show logs Stages Supply environment variable System tags Summary export Summary trend stats Summary time unit Tags | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use handleSummary() instead) Define stats for trend metrics in the end-of-test summary Time unit to be used for all time values in the end-of-test summary Specify tags that should be set test-wide across all metrics |
| Show logs Stages Supply environment variable System tags Summary export Summary trend stats Summary time unit Tags Teardown timeout | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use handleSummary() instead) Define stats for trend metrics in the end-of-test summary Time unit to be used for all time values in the end-of-test summary Specify tags that should be set test-wide across all metrics Specify how long the teardown() function is allowed to run before it's terminated |
| Show logs Stages Supply environment variable System tags Summary export Summary trend stats Summary time unit Tags Teardown timeout Thresholds | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use handleSummary() instead) Define stats for trend metrics in the end-of-test summary Time unit to be used for all time values in the end-of-test summary Specify tags that should be set test-wide across all metrics Specify how long the teardown() function is allowed to run before it's terminated Configure under what conditions a test is successful or not |
| Show logs Stages Supply environment variable System tags Summary export Summary trend stats Summary time unit Tags Teardown timeout Thresholds Throw | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use handleSummary() instead) Define stats for trend metrics in the end-of-test summary Time unit to be used for all time values in the end-of-test summary Specify tags that should be set test-wide across all metrics Specify how long the teardown() function is allowed to run before it's terminated Configure under what conditions a test is successful or not A boolean specifying whether to throw errors on failed HTTP requests |
| Show logs Stages Supply environment variable System tags Summary export Summary trend stats Summary time unit Tags Teardown timeout Thresholds Throw TLS auth | A boolean specifying whether the cloud logs are printed out to the terminal A list of objects that specify the target number of VUs to ramp up or down; shortcut option for a single scenario with a ramping VUs executor Add/override environment variable with VAR=value Specify which System Tags will be in the collected metrics Output the end-of-test summary report to a JSON file (discouraged, use handleSummary() instead) Define stats for trend metrics in the end-of-test summary Time unit to be used for all time values in the end-of-test summary Specify tags that should be set test-wide across all metrics Specify how long the teardown() function is allowed to run before it's terminated Configure under what conditions a test is successful or not A boolean specifying whether to throw errors on failed HTTP requests A list of TLS client certificate configuration objects |

| Verbose | A boolean specifying whether verbose logging is enabled |
|---------|---|
| VUs | A number specifying the number of VUs to run concurrently |

The following sections detail all available options that you can be specify within a script.

It also documents the equivalent command line flag, environment variables or option when executing k6 run \dots and k6 cloud \dots , which you can use to override options specified in the code.

Address

Address of the API server. When executing scripts with k6 run an HTTP server with a REST API is spun up, which can be used to control some of the parameters of the test execution. By default, the server listens on localhost:6565. Read more on k6 REST API.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----|-------------|--------------------|----------------|
| N/A | address, -a | N/A | localhost:6565 |

```
$ k6 run --address "localhost:3000" script.js
```

Batch

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|----------|-------|--------------------|---------|
| K6_BATCH | batch | batch | 20 |

```
1 export const options = {
2  batch: 15,
3 };
```

Batch per host

The maximum number of simultaneous/parallel connections for the same hostname that an http.batch() call in a VU can make. If you have a batch() call that you've given 20 URLs to the same hostname and --batch-per-host is set to 5, then the VU will make 5 requests right away in parallel and queue the rest, executing them as soon as a previous request is done and a slot opens. This will not run more request in parallel then the value of batch. Available in both the k6 run and the k6 cloud commands

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-------------------|----------------|--------------------|---------|
| K6_BATCH_PER_HOST | batch-per-host | batchPerHost | 6 |

```
1 export const options = {
2  batchPerHost: 5,
3 };
```

Blacklist IP

Blacklist IP ranges from being called. Available in k6 run and k6 cloud commands.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|------------------|--------------|--------------------|---------|
| K6_BLACKLIST_IPS | blacklist-ip | blacklistIPs | null |

```
1 export const options = {
2   blacklistIPs: ['10.0.0.0/8'],
3 };
```

Block hostnames

Blocks hostnames based on a list of glob match strings. The pattern matching string can have a single * at the beginning such as *.example.com that will match anything before that such as test.example.com and test.test.example.com. Available in k6 run and k6 cloud commands.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|--------------------|-----------------|--------------------|---------|
| K6_BLOCK_HOSTNAMES | block-hostnames | blockHostnames | null |

```
1 export const options = {
2  blockHostnames: ['test.k6.io', '*.example.com'],
3 };
```

```
$ k6 run --block-hostnames="test.k6.io,*.example.com" script.js
```

Compatibility mode

Support running scripts with different ECMAScript compatibility modes.

Read about the different modes on the JavaScript Compatibility Mode documentation.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----------------------|--------------------|--------------------|------------|
| K6_COMPATIBILITY_MODE | compatibility-mode | N/A | "extended" |

```
$ k6 run --compatibility-mode=base script.js
```

Config

Specify the config file in JSON format. If the config file is not specified, k6 looks for <code>config.json</code> in the <code>loadimpact/k6</code> directory inside the regular directory for configuration files on the operating system. Default config locations on different operating systems are as follows:

| os | DEFAULT CONFIG PATH |
|------------|--|
| Unix-based | \${HOME}/.config/loadimpact/k6/config.json |
| macOS | \${HOME}/Library/Application Support/loadimpact/k6/config.json |
| Windows | %AppData%/loadimpact/k6/config.json |

Available in k6 run and k6 cloud commands:

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----|--|--------------------|---------|
| N/A | config <path>, -c <path></path></path> | N/A | null |



When running tests in k6 Cloud and using a non-default config. json file, specify the cloud token inside your config file to authenticate.

Console output

Redirects logs logged by console methods to the provided output file. Available in k6 cloud and k6 run commands

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-------------------|----------------|--------------------|---------|
| K6_CONSOLE_OUTPUT | console-output | N/A | null |

\$ k6 run --console-output "loadtest.log" script.js

Discard response bodies

Specify if response bodies should be discarded by changing the default value of responseType to none for all HTTP requests. Highly recommended to be set to true and then only for the requests where the response body

is needed for scripting to set response type to text or binary. Lessens the amount of memory required and the amount of GC - reducing the load on the testing machine, and probably producing more reliable test results.

```
ENV CLI CODE/CONFIGFILE DEFAULT

--discard-response-bodies discardResponseBodies false

1 export const options = {
2 discardResponseBodies: true,
3 };
```

DNS

This is a composite option that provides control of DNS resolution behavior with configuration for cache expiration (TTL), IP selection strategy and IP version preference. The TTL field in the DNS record is currently not read by k6, so the ttl option allows manual control over this behavior, albeit as a fixed value for the duration of the test run.

Note that DNS resolution is done only on new HTTP connections, and by default k6 will try to reuse connections if HTTP keep-alive is supported. To force a certain DNS behavior consider enabling the noConnectionReuse option in your tests.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|--------|-----|--------------------|--|
| K6_DNS | dns | dns | ttl=5m,select=random,policy=preferIPv4 |

Possible ttl values are:

- 0: no caching at all each request will trigger a new DNS lookup.
- inf: cache any resolved IPs for the duration of the test run.
- any time duration like 60s, 5m30s, 10m, 2h, etc.; if no unit is specified (e.g. ttl=3000), k6 assumes milliseconds.

Possible select values are:

- first: always pick the first resolved IP.
- random: pick a random IP for every new connection.
- $\bullet \quad \hbox{roundRobin:} iterate sequentially over the resolved IPs. \\$

Possible policy values are:

- preferIPv4 : use IPv4 addresses if available, otherwise fall back to IPv6.
- preferIPv6 : use IPv6 addresses if available, otherwise fall back to IPv4.
- onlyIPv4 : only use IPv4 addresses, ignore any IPv6 ones.
- onlyIPv6 : only use IPv6 addresses, ignore any IPv4 ones.
- any : no preference, use all addresses.

Here are some configuration examples:

```
K6_DNS="ttl=5m,select=random,policy=preferIPv4" k6 cloud script.js
```

```
script.js

1 export const options = {
2   dns: {
3    ttl: '1m',
4    select: 'roundRobin',
5   policy: 'any',
6   },
7 };
```

Duration

A string specifying the total duration a test run should be run for. During this time each VU will execute the script in a loop. Available in k6 run and k6 cloud commands.

 $Together \ with \ the \ \ vus \ \ option, \ \ duration \ \ is a shortcut for a single \ scenario \ with \ a \ constant \ VUs \ executor.$

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-------------|--------------|--------------------|---------|
| K6_DURATION | duration, -d | duration | null |

```
1 export const options = {
2  vus: 100,
3  duration: '3m',
4 };
```

Extension options

An object used to set configuration options for cloud parameters and third-party collectors, like plugins. For more information about available parameters, refer to Cloud options.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----|-----|--------------------|---------|
| N/A | N/A | ext | null |

This is an example of how to specify the test name (test runs/executions with the same name will be logically grouped for trending and comparison) when streaming results to k6 Cloud Performance Insights.

```
1 export const options = {
2  ext: {
3    loadimpact: {
4       name: 'My test name',
5    },
6   },
7 };
```

Execution segment

These options specify how to partition the test run and which segment to run. If defined, k6 will scale the number of VUs and iterations to be run for that segment, which is useful in distributed execution. Available in k6 run and k6 cloud commands.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----|----------------------------|--------------------------|---------|
| N/A | execution-segment | executionSegment | "0:1" |
| N/A | execution-segment-sequence | executionSegmentSequence | "0,1" |

For example, to run 25% of a test, you would specify --execution-segment '25%', which would be equivalent to --execution-segment '0:1/4', i.e. run the first 1/4 of the test. To ensure that each instance executes a specific segment, also specify the full segment sequence, e.g. --execution-segment-sequence '0,1/4,1/2,1'. This way one instance could run with --execution-segment '0:1/4', another with --execution-segment '1/4:1/2', etc. and there would be no overlap between them.

Exit on running

A boolean, specifying whether the script should exit once the test status reaches "running". When running scripts with k6 cloud by default scripts will run until the test reaches a finalized status. This could be problematic in certain environments (think of Continuous Integration and Delivery pipelines), since you'd need to wait until the test ends up in a finalized state.

With this option, you can exit early and let the script run in the background. Available in k6 cloud command.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|--------------------|-----------------|--------------------|---------|
| K6_EXIT_ON_RUNNING | exit-on-running | N/A | false |

```
$ k6 cloud --exit-on-running script.js
```

Hosts

An object with overrides to DNS resolution, similar to what you can do with /etc/hosts on Linux/Unix or C:\Windows\System32\drivers\etc\hosts on Windows. For instance, you could set up an override which routes all requests for test.k6.io to 1.2.3.4.

k6 also supports ways to narrow or widen the scope of your redirects:

- You can redirect only from or to certain ports.
- Starting from v0.42.0, you can use an asterisk (*) as a wild card at the start of the host name to avoid repetition. For example, *,k6.io would apply the override for all subdomains of k6.io.



| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----|------|--------------------|---------|
| N/Δ | NI/Δ | haete | null |

1 export const options = {
2 hosts: {
3 'test.k6.io': '1.2.3.4',
4 'test.k6.io:443': '1.2.3.4:8443',
5 '*.grafana.com': '1.2.3.4',
6 },
7 };

The preceding code will redirect requests made to test.k6.io to 1.2.3.4, keeping the same port. If the request is done to port 443, it will redirect it to port 8443 instead. It will also redirect requests to any subdomain of grafana.com to 1.2.3.4

HTTP debug

Log all HTTP requests and responses. Excludes body by default, to include body use --http-debug=full Available in k6 run and k6 cloud commands.

Read more here.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|---------------|-------------|--------------------|---------|
| K6_HTTP_DEBUG | http-debug, | httpDebug | false |

```
1 export const options = {
2  httpDebug: 'full',
3 };
```

Include system env vars

Pass the real system environment variables to the runtime. Available in k6 run and k6 cloud commands.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----|-----------------------------|-----------------------|--|
| N/A | include-system- env-vars | N/A | true for k6 run, but false for all other commands to prevent inadvertent sensitive data leaks. |

```
$ k6 run --include-system-env-vars ~/script.js
```

Insecure skip TLS verify

A boolean, true or false. When this option is enabled (set to true), all of the verifications that would otherwise be done to establish trust in a server provided TLS certificate will be ignored. This only applies to connections created from code, such as HTTP requests. Available in k6 run and k6 cloud commands

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----------------------------|------------------------------|-----------------------|---------|
| K6_INSECURE_SKIP_TLS_VERIFY | insecure-skip-tls- verify | insecureSkipTLSVerify | false |

```
1 export const options = {
2  insecureSkipTLSVerify: true,
3 };
```

Iterations

An integer value, specifying the total number of iterations of the default function to execute in the test run, as opposed to specifying a duration of time during which the script would run in a loop. Available both in the k6 run and k6 cloud commands.

 $Together with the \ \ vus \ \ option, \ \ iterations \ \ is a shortcut for a single \ scenario \ with \ a \ shared \ iterations \ executor.$

By default, the maximum duration of a shared-iterations scenario is 10 minutes. You can adjust that time via the maxDuration option of the scenario, or by also specifying the duration global shortcut option.

Note that iterations aren't fairly distributed with this option, and a VU that executes faster will complete more iterations than others. Each VU will try to complete as many iterations as possible, "stealing"
them from the total number of iterations for the test. So, depending on iteration times, some VUs may complete more

use the per-VU iterations executor.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|---------------|----------------|--------------------|---------|
| K6_ITERATIONS | iterations, -i | iterations | 1 |

```
1 export const options = {
2  vus: 5,
3  iterations: 10,
4 };
```

Or, to run 10 VUs 10 times each:

```
1 export const options = {
2  vus: 10,
3  iterations: 100,
4 };
```

Linger

A boolean, true or false, specifying whether the k6 process should linger around after test run completion. Available in the k6 run command.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|-----------|------------|--------------------|---------|
| K6_LINGER | linger, -l | linger | false |

```
1 export const options = {
2 linger: true,
3 };
```

Local IPs

A list of IPs, IP ranges and CIDRs from which VUs will make requests. The IPs will be sequentially given out to VUs. This option doesn't change anything on the OS level so the IPs need to be already configured on the OS level for k6 to use them. Also IPv4 CIDRs with more than 2 IPs don't include the first and last IP as they are reserved for referring to the network itself and the broadcast address respectively.

This option can be used for splitting the network traffic from k6 between multiple network cards, thus potentially increasing the available network throughput. For example, if you have 2 NICs, you can run k6 with --local-ips="<IP-from-first-NIC>, <IP-from-second-NIC>" to balance the traffic equally between them - half of the VUs will use the first IP and the other half will use the second. This can scale to any number of NICs, and you can repeat some local IPs to give them more traffic. For example, --local-ips="<IP1>, <IP2>, <IP3>, <IP3>" will split VUs between 3 different source IPs in a 25%:25%:50% ratio.

Available in the k6 run command.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|--------------|-----------|--------------------|---------|
| K6_LOCAL_IPS | local-ips | N/A | N/A |

```
$ k6 run --local-ips=192.168.20.12-192.168.20.15,192.168.10.0/27 script.js
```

Log output

This option specifies where to send logs to and another configuration connected to it. Available in the k6 run command.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|---------------|------------|--------------------|---------|
| K6_LOG_OUTPUT | log-output | N/A | stderr |

```
1 $ k6 run --log-output=stdout script.js
```

Possible values are:

- none disable
- stdout send to the standard output
- stderr send to the standard error output (this is the default)

- orani ona to the etaliana on or earpar (time
- loki send logs to a loki serverfile write logs to a file

Loki

Use the log-output option to configure loki logical as follows. For additional instructions and a step-by-step guide, check out the loki l

1 \$ k6 run --log-output=loki=http://127.0.0.1:3100/loki/api/v1/push,label.something=else,label.f

Where all but the url in the beginning are not required. The possible keys with their meanings and default values:

| KEY | DESCRIPTION | DEFAULT VALUE |
|--------------------|--|--|
| nothing | the endpoint to which to send logs | http://127.0.0.1:3100/loki/api/v1/push |
| allowedLabels | if set k6 will send only the provided labels as such and all others will be appended to the message in the form key=value. The value of the option is in the form [label1, label2] | N/A |
| label. labelName | adds an additional label with the provided key and value to each message | N/A |
| header. headerName | adds an additional HTTP header with the provided header name and value to each HTTP request made to Loki | N/A |
| limit | the limit of message per pushPeriod, an additional log is send when the limit is reached, logging how many logs were dropped | 100 |
| level | the minimal level of a message so it's send to loki | all |
| pushPeriod | at what period to send log lines | 1s |
| profile | whether to print some info about performance of the sending to loki | false |
| msgMaxSize | how many symbols can there be at most in a message. Messages bigger will miss the middle of the message with an additional few characters explaining how many characters were dropped. | 1048576 |

File

The file can be configured as below, where an explicit file path is required:

1 \$ k6 run --log-output=file=./k6.log script.js

 $A \ valid \ file \ path \ is \ the \ unique \ mandatory \ field, \ the \ other \ optional \ fields \ listed \ below:$

| KEY | DESCRIPTION | DEFAULT VALUE |
|-------|---|------------------|
| level | the minimal level of a message to write out of (in ascending order): trace, debug, info, warning, error, fatal, panic | trace |

LogFormat

A value specifying the log format. By default, k6 includes extra debug information like date and log level. The other options available are:

- json : print all the debug information in JSON format.
- raw : print only the log message.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT | |
|-----------------------------------|----------------|--------------------|---------|--|
| K6_LOG_FORMAT | log-format, -f | N/A | | |
| | | | | |
| 1 \$ k6 runlog-format raw test.js | | | | |

Max redirects

 $The \ maximum \ number of \ HTTP \ redirects \ that \ k6 \ will \ follow \ before \ giving \ up \ on \ a \ request \ and \ erroring \ out.$ Available in both the k6 run and the k6 cloud commands.

| ENV | CLI | CODE / CONFIG FILE | DEFAULT |
|------------------|---------------|--------------------|---------|
| K6_MAX_REDIRECTS | max-redirects | maxRedirects | 10 |

```
maxRedirects: 10,
```

Minimum iteration duration

 $Specifies the \ minimum \ duration \ of \ every \ single \ execution \ (i.e. \ iteration) \ of \ the \ \ default \ \ function. \ Any \ iterations$ that are shorter than this value will cause that VU to sleep for the remainder of the time until the specified minimum duration is reached.

CODE / CONFIG FILE DEFAULT ENV