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Externally controlled

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Control and scale execution at runtime via k6's REST API or the CLI.

Previously, the `pause`, `resume`, and `scale` CLI commands were used to globally control k6 execution. This executor does the same job by providing a better API that can be used to control k6 execution at runtime.

Note that, passing arguments to the `scale` CLI command for changing the amount of active or maximum VUs will only affect the externally controlled executor.

Options

The `externally-controlled` executor has no graceful stop.

Besides that, this executor has all the common configuration options, and these particular ones:

OPTION	TYPE	DESCRIPTION	DEFAULT
duration(required)	string	Total test duration.	-
vus	integer	Number of VUs to run concurrently.	-
maxVUs	integer	Maximum number of VUs to allow during the test run.	-

When to use

If you want to control the number of VUs while the test is running.

Important: this is the only executor that is not supported in `k6 cloud`, it can only be used locally with `k6 run`.

Example

In this example, we'll execute a test controllable at runtime, starting with 10 VUs up to a maximum of 50, and a total duration of 10 minutes.

```
externally-controlled.js

1  import http from 'k6/http';
2
3  export const options = {
4    discardResponseBodies: true,
5    scenarios: {
6      contacts: {
7        executor: 'externally-controlled',
8        vus: 10,
9        maxVUs: 50,
10       duration: '10m',
11     },
12   },
13 };
14
15 export default function () {
16   http.get('https://test.k6.io/contacts.php');
17 }
```

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