

All executors

```
export const options = {
  scenarios: {
    arbitrary_scenario_name: {
      //Name of executor
    }
  }
}
```

GOT IT

$$\left. \begin{array}{l} \} \\ \} \end{array} \right\} ;$$

The following table lists all k6 executors and links to their documentation.

NAME	VALUE	DESCRIPTION	
Shared iterations	shared-iterations	A fixed amount of iterations are shared between a number of VUs.	<p>executor: 'shared-iterations', vus: 10, iterations: 200, maxDuration: '30s',</p> <p>Total iterations = 200</p>
Per VU iterations	per-vu-iterations	Each VU executes an exact number of iterations.	<p>executor: 'per-vu-iterations', vus: 10, iterations: 20, maxDuration: '30s',</p> <p>Total iterations = 10 * 20 = 200</p>
Constant VUs	constant-vus	A fixed number of VUs execute as many iterations as possible for a specified amount of time.	<p>executor: 'constant-vus', vus: 10, duration: '30s',</p> <p>Total iterations = 900 iterations are produced roughly within 30s</p>
Ramping VUs	ramping-vus	A variable number of VUs execute as many iterations as possible for a specified amount of time.	<p>executor: 'ramping-vus', startVUs: 0, stages: [{ duration: '20s', target: 10 }, { duration: '10s', target: 0 }], gracefulRampDown: '0s',</p>
Constant Arrival Rate	constant-arrival-rate	A fixed number of iterations are executed in a specified period of time.	<p>executor: 'constant-arrival-rate', duration: '30s', // How long the test lasts rate: 30, // How many iterations per timeUnit timeUnit: '1s', // Start 'rate' iterations per second preAllocatedVUs: 50, // Pre-allocate VUs</p>
Ramping Arrival Rate	ramping-arrival-rate	A variable number of iterations are executed in a specified period of time.	<p>executor: 'ramping-arrival-rate', // Start iterations per 'timeUnit' startRate: 300, // Start 'startRate' iterations per minute timeUnit: '1m', // Pre-allocate necessary VUs. preAllocatedVUs: 50, stages: [// Start 300 iterations per 'timeUnit' for the first minute. { target: 300, duration: '1m' }, // Linearly ramp-up to starting 600 iterations per 'timeUnit' over the following two minutes. { target: 600, duration: '2m' }, // Continue starting 600 iterations per 'timeUnit' for the following four minutes. { target: 600, duration: '4m' }, // Linearly ramp-down to starting 60 iterations per 'timeUnit' over the last two minutes. { target: 60, duration: '2m' },]</p>
Externally Controlled	externally-controlled	Control and scale execution at runtime via <code>k6's REST API</code> or the <code>CLI</code> .	<p>executor: 'externally-controlled', vus: 10, maxVUs: 50, duration: '10m',</p>

VUS MIGHT NOT DISTRIBUTE UNIFORMLY OVER ITERATIONS

For any given scenario, you can't guarantee that a specific VU can run a specific iteration.

With `SharedArray` and `execution context variables`, you can map a specific VU to a specific value in your test data. So the tenth VU could use the tenth item in your array (or the sixth iteration to the sixth item).

- Shared iterations
- Per VU iterations
- Constant VUs
- Ramping VUs
- Constant arrival rate
- Ramping arrival rate
- Extremely controlled

Open model

But, you *cannot* reliably map, for example, the tenth VU to the tenth iteration.

< [PREVIOUS](#)
Dropped iterations

[NEXT](#) >
Shared iterations



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