

# test\_runner: introduces a new MockTimers API

## #47775

Merged

nodejs-github-bot merged 57 commits into `nodejs:main` from `ErickWendel:test_runner/introduce-fake-timers` on Jun 22

Conversation 167 Commits 57 Checks 54 Files changed 6 +1,444 -2

**ErickWendel** commented on Apr 29 • edited • Member








This PR introduces a new FakeTimers API for the native Node.js test runner.

I'm opening it for review as I've implemented all features for this initial version (it's still missing docs but I think we can start moving forward while I write them)


### Backlog

- ✓ - accept a list of "Which timers/things do I mock?"
- ✓ - add an experimental warning
- ✓ - tests
- ✓ - 100% code coverage

### Reviewers

	ljharb	✓
	fatso83	🗨
	tniessen	🗨
	benjaminr	✓
	MoLow	✓
	aduh95	●
	cjihrig	●

### Assignees

	ErickWendel
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@erickwendel\_

```
import assert from 'node:assert';
import { test } from 'node:test';

test('mocks setTimeout to be executed synchronously without having to actually wait for it',
  (context) => {
    const fn = context.mock.fn();

    // Optionally choose what to mock
    context.mock.timers.enable(['setTimeout']);
    setTimeout(fn, 9999);
    assert.strictEqual(fn.mock.callCount(), 0);

    // Advance in time
    context.mock.timers.tick(9999);
    assert.strictEqual(fn.mock.callCount(), 1);
  });
```