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<u>PlaywrightDocsAPI</u>

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Web server

Introduction

Playwright comes with a webserver option in the config file which gives you the ability to launch a local dev server before running your tests. This is ideal for when writing your tests during development and when you don't have a staging or production url to test against.

Configuring a web server

Description

false.

Use the webserver property in your Playwright config to launch a development web server during the tests.

playwright.config.ts

Property

ignoreHTTPSErrors

```
import { defineConfig } from '@playwright/test';

export default defineConfig({
    // Run your local dev server before starting the tests
    webServer: {
        command: 'npm run start',
        url: 'http://127.0.0.1:3000',
        reuseExistingServer: !process.env.CI,
        stdout: 'ignore',
        stderr: 'pipe',
    },
});
```

testConfig.webServer	Launch a development web server (or multiple) during the tests.
command	Shell command to start the local dev server of your app.
	URL of your http server that is expected to return a 2xx, 3xx, 400,
url	401, 402, or 403 status code when the server is ready to accept
	connections.
	If true, it will re-use an existing server on the url when available. If
	no server is running on that url, it will run the command to start a
reuseExistingServer new server. If false, it will throw if an existing process is listening	
	on the url. To see the stdout, you can set the DEBUG=pw:webserver
	environment variable.
ignoroUTTDCErrors	Whether to ignore HTTPS errors when fetching the url. Defaults to

Property	Description
cwd	Current working directory of the spawned process, defaults to the directory of the configuration file.
stdout	If "pipe", it will pipe the stdout of the command to the process stdout. If "ignore", it will ignore the stdout of the command. Default to "ignore".
stderr	Whether to pipe the stderr of the command to the process stderr or ignore it. Defaults to "pipe".
timeout	'How long to wait for the process to start up and be available in milliseconds. Defaults to 60000.

Adding a server timeout

Webservers can sometimes take longer to boot up. In this case, you can increase the timeout to wait for the server to start.

playwright.config.ts

```
import { defineConfig } from '@playwright/test';

export default defineConfig({
    // Rest of your config...

    // Run your local dev server before starting the tests
    webServer: {
        command: 'npm run start',
        url: 'http://127.0.0.1:3000',
        reuseExistingServer: !process.env.CI,
        timeout: 120 * 1000,
    },
});
```

Adding a baseURL

It is also recommended to specify the baseURL in the use: {} section of your config, so that tests can use relative urls and you don't have to specify the full URL over and over again.

When using page.goto(), page.route(), page.waitForURL(), page.waitForRequest(), or page.waitForResponse() it takes the base URL in consideration by using the URL() constructor for building the corresponding URL. For Example, by setting the baseURL to http://127.0.0.1:3000 and navigating to /login in your tests, Playwright will run the test using http://127.0.0.1:3000/login.

playwright.config.ts

```
import { defineConfig } from '@playwright/test';

export default defineConfig({
    // Rest of your config...

// Run your local dev server before starting the tests
    webServer: {
        command: 'npm run start',
        url: 'http://127.0.0.1:3000',
```

```
reuseExistingServer: !process.env.CI,
},
use: {
   baseURL: 'http://127.0.0.1:3000',
},
});
```

Now you can use a relative path when navigating the page:

test.spec.ts

```
import { test } from '@playwright/test';

test('test', async ({ page }) => {
    // This will navigate to http://127.0.0.1:3000/login
    await page.goto('./login');
});
```

Multiple web servers

Multiple web servers (or background processes) can be launched simultaneously by providing an array of webServer configurations. See <u>testConfig.webServer</u> for more info.

playwright.config.ts

```
import { defineConfig } from '@playwright/test';
export default defineConfig({
 webServer: [
     command: 'npm run start',
     url: 'http://127.0.0.1:3000',
     timeout: 120 * 1000,
     reuseExistingServer: !process.env.CI,
    },
     command: 'npm run backend',
     url: 'http://127.0.0.1:3333',
     timeout: 120 * 1000,
     reuseExistingServer: !process.env.CI,
  ],
   baseURL: 'http://127.0.0.1:3000',
 },
});
```

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