Running locally

Last updated by | Aleksey Glukharev | 16 May 2025 at 03:31 GMT+4

First time setup

The recommended setup:

- Visual Studio 2022 Community Edition or higher (Community edition is free)
- SQL Server 2019 or newer, installed locally, windows authentication enabled during installation.
- Azurite (usually already comes with Visual Studio)
- yarn (v1 works fine)
- SQL Server Management Studio
- Fork (optionally)

Make sure to read through the entirety of this section **and** the next section (Before each run) before attempting to run the app locally.

The repository contains two solution files, please use `DispatcherWeb.Web.sln` .

Before running the app for the first time, you either need to create an empty `DispatcherWebDb` database, or download and restore this backup (use the same name `DispatcherWebDb` while restoring the backup). The app will automatically apply the required migrations during each launch in either case, but if you chose to use an empty database, set `App:SeedHostOnStartup` to `"true"` in appsettings.json before the first launch. You can remove the option afterwards. Do not commit this change.

Verify that the startup project is already set to `DispatcherWeb.Web.Mvc` and that you selected IIS Express configuration from the launch dropdown.

With this setup, you shouldn't need to have to update your appsettings.json, until you need to work on any Google Maps related functionality, at which point you'll need to add that to your `appsettings.Development.json` . Do not commit these changes.

Before each run

You'll need to make sure you have azurite running before starting the project.

```
"C:\Program Files\Microsoft Visual Studio\2022\Community\Common7\IDE\Extensions\Microsoft\Azure Storage Emulator\azurite.exe"
```

Before the first run **and** any time bundles (js or css) are expected to change, make sure to navigate to the MVC project folder and run `yarn create-bundles` .

Now you should be good to go to launch the app.

The default credentials are admin/123qwe.

You can add a tenant for yourself under "Tenants" and impersonate the "admin" user of that tenant.

If you need help working with the main app, in the header of the application, you'll see a lifering. Clicking this will show you a menu that will take you to our user documentation and videos. Getting Started Archives - Dump
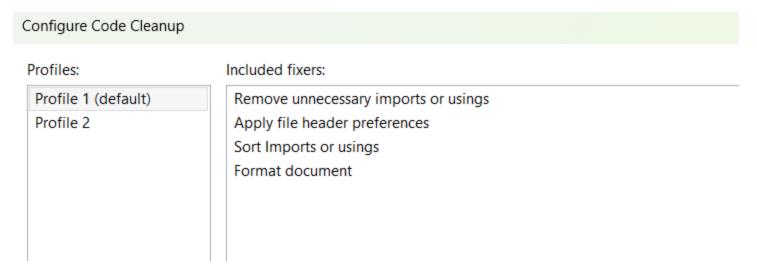
[Truck Dispatcher](#) .

Main app developers

If you are going to make changes to the main app (i.e. you are not exclusively a RN app developer), then after getting the sources for the main app, please run code cleanup in Visual Studio to make sure your cleanup settings match our cleanup settings. We expect to see no pending changes after the cleanup finishes running.
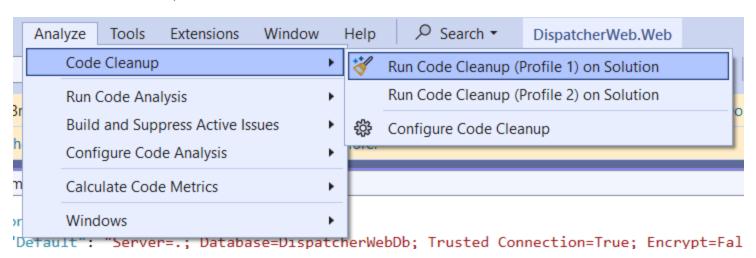
Cleanup setup

First, please check "keep system usings on top" checkbox in the settings, for consistency with the existing codebase.
Then, set 'cleanup 1' options to these, which should already be the default:

Running the cleanup

And then run the cleanup:

If you see any pending changes, **do not commit** and instead let Aleksey know.

Tests

Next, please run all tests and make sure they pass (except for the skipped ones).

You'll need to do these steps before committing or submitting a PR (cleanup before committing, tests before publishing a PR), so it's best to learn of any potential misconfiguration before making any changes, when you are first setting up your environment.