

# Let's **configure** TypeScript compilation !!!

<https://code.visualstudio.com/docs/typescript/typescript-tutorial>

## tsconfig.json

So far in this tutorial, you have been relying on the TypeScript compiler's default behavior to compile your TypeScript source code. You can modify the TypeScript compiler options by adding a `tsconfig.json` file that defines the TypeScript **project settings** such as the **compiler options** and the files that should be included.

 Add a simple `tsconfig.json` which set the options to compile to ES5 and use **CommonJS** modules.


```
{
  "compilerOptions": {
    "target": "es5",
    "module": "commonjs"
  }
}
```

When editing `tsconfig.json`, IntelliSense (`Ctrl+Space`) will help you along the way.

## Change the build output

Having the generated JavaScript file in the same folder as the TypeScript source will quickly get cluttered on larger projects, so you can specify the output directory for the compiler with the `outDir` attribute.

```
{
  "compilerOptions": {
    "target": "es5",
    "module": "commonjs",
    "outDir": "out"
  }
}
```



Delete `helloworld.js` and run the command `tsc` with no options. You will see that `helloworld.js` is now placed in the `out` directory.

See [Compiling TypeScript](#) to learn about other features of the TypeScript language service and how to use tasks to run your builds directly from VS Code.