

Compiler Options and Project Configuration



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Overview



Compiler options

- Common options
- Discovering available options

Creating projects with *tsconfig.json*

- Specifying compiler options
- Listing files to include or exclude

Specifying Compiler Options

Command line (tsc)

Options inside an IDE

Build tasks

Inside tsconfig.json file



Common Compiler Options

`--module`

`--m`

`--moduleResolution`

`--target`

`--t`

`--watch`

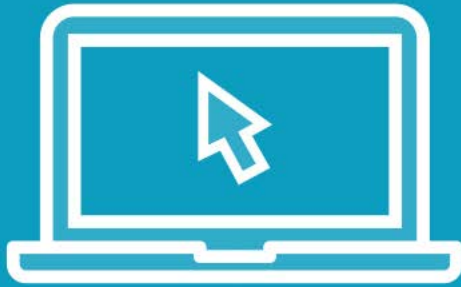
`--w`

`--outDir`

`--noImplicitAny`



Demo



Running the compiler and using different compiler options



Role of tsconfig.json

- Marks the root of a TypeScript project**
- Specifies TypeScript compiler options**
- Specifies files to include in the project**



Structure of tsconfig.json

```
{  
  "compilerOptions": {  
    "target": "es5",  
    "outDir": "js"  
  },  
  "files": [  
    "app.ts",  
    "classes.ts"  
  ]  
}
```

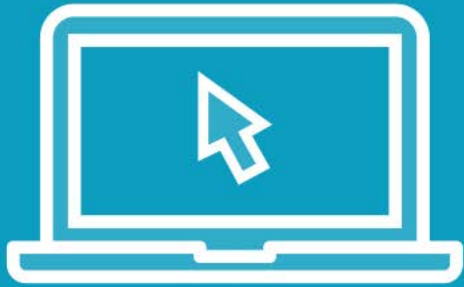


Structure of tsconfig.json

```
{  
  "compilerOptions": {  
    "target": "es5",  
    "outDir": "js"  
  },  
  "exclude": [  
    "node_modules",  
    "lib"  
  ]  
}
```



Demo



Compiling a TypeScript project using a
tsconfig.json file



Summary



Discover and use different compiler options

Configure projects with tsconfig.json

