

# CSharp2TS

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## csharp2ts README

### How to use

- Select the desired C# code
- Open the command palette and run Convert C# to TypeScript

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### More Info

Version	0.0.22
Released on	10/5/2016, 2:08:04 AM
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```
13 //Generics
14 public Owner<Animal, int> Owner { get; set; }
15
16 //C# types correctly parsed
17 public Dictionary<string, int> Dictionary { get; set; }
18 public List<string> List { get; set; }
19 public Tuple<int, List<string>, Dictionary<string, bool?>> ComplexType { get; set; }
20
21 /// <summary>
22 /// C# methods are supported
23 /// </summary>
24 /// <param name="myParam">JS Doc supported tool</param>
25 /// <returns>The owner name</returns>
26 public async Task<string> GetOwnerName(string myParam)
27 {
28     await Task.Delay(100);
29     throw new Exception("Method body removed");
30 }
31
```

Simple C# POCOs to TypeScript converter.

Supports:

- Automatic properties
- Remove attributes
- Detect common types such as int, long, ...

## Settings

On your workspace or user settings.json:

```
// Place your settings in this file to overwrite default and user settings.
{
    //True for camelCase, false for preserving original name. Default is true
    "csharp2ts.propertiesToCamelCase": false,
    //Removes specified postfixes from property names, types & class names. Can be array OR string. Case-sens
    "csharp2ts.trimPostfixes": "",
    //Whether or not trim postfixes recursive. (e.g. with postfixes 'A' & 'B' PersonAAB will become PersonAA
    "csharp2ts.recursiveTrimPostfixes": false,
```

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```
"csharp2ts.dateToDateOrString": true,
/*Modifiers to remove. Ex. if you want to remove private and internal members set to ['private', 'interr
"csharp2ts.removeModifiers": [],
/*If setted, any property or field that its name matches the given regex will be removed, Ex. if you war
"csharp2ts.removeNameRegex": "",
/*True to convert classes to interfaces, false to convert classes to classes. Default is true*/
"csharp2ts.classToInterface": true,
/*True to preserve fields and property modifiers. Default is false*/
"csharp2ts.preserveModifiers": false
}
```

## Release Notes

### 0.0.0

- Initial release of the tool

### 0.0.3

- Support multiline automatic properties

### 0.0.4

- Added support for bool

### 0.0.5

- Fixed formatting differences between C# and TS
- Fixed bug where DateTime was translated to 'date' instead of 'Date'
- Added detection for scope modifiers on C# properties

### 0.0.6

### 0.0.7

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- Support for C# fat arrow automatic properties

## 0.0.10

- Full C# type parser
- Support for C# generics
- Support for nullable types: Convert `int?` or `Nullable<int>` to `int` | `null`
- Convert C# `Dictionary<string, T>` to `{ [key: string]: T }`
- Convert C# `Tuple<TA, TB, TC>` to `{ Item1: TA, Item2: TB, Item3: TC }`
- Convert C# `List<T>` to `T[]`

## 0.0.11

- Bug fix: Getter only properties where not correctly parsed

## 0.0.12

- Support for `camelCase`/`PascalCase`. Configurable with the `"csharp2ts.propertiesToCamelCase"` setting

## 0.0.13

- Documentation for settings added

## 0.0.14

- new `trimPostfixes` and `recursiveTrimPostfixes` config. Thanks amadare42

## 0.0.15

- `csharp2ts.propertiesToCamelCase` is set to `false` by default

## 0.0.16

- Bug fix: Property initializer correctly parsed
- New `csharp2ts.ignoreInitializer` config
- `double` correctly parsed

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- Bug fix: Support for international characters on identifiers

## 0.0.19

- Bug fix: Support for international characters on type names

## 0.0.20

- Improved attribute parsing and removing
- New method body style controller

## 0.0.21

- Improved class constructor parsing
- New configuration for type generators: byteArrayToString and dateToDateOrString

## 0.0.22

- Bug fix: Support for fields
- Bug fix: Translation was wrong on some special cases with generic types mixed with arrays
- New config: classToInterface. Convert class to interface or class
- New config: preserveModifiers. Preserve properties and field modifiers.
- New config: removeWithModifier. Remove fields and properties with the given modifiers.
- New config: removeNameRegex. Remove fields and properties that its name match the given regex.

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