


Asked 1 year, 5 months ago   Active 3 months ago   Viewed 3k times

```
6 public class Product
{
    public Guid Id { get; set; }
    public string ProductName { get; set; }
    public Decimal Price { get; set; }
    public int Level { get; set; }
}
```

```
export class Product {
  id: ???;
  productName: string;
  price: number;
  level: number;
}
```

c# typescript

 **Richard77**  
7,718 32 108 197

- 1 Possible duplicate of [A typescript Guid class?](#) – [BossRoss](#) Mar 22 '18 at 15:19
- 
- 2 Would `string` work for you? – [John](#) Mar 22 '18 at 15:20

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be able to parse the Guid into the right type. – [Richard77](#) Mar 22 '18 at 15:23

## 2 Answers



7



Guids are usually represented as strings in Javascript, so the simplest way to represent the GUID is as a string. Usually when serialization to JSON occurs it is represented as a string, so using a string will ensure compatibility with data from the server.

To make the GUID different from a simple string, you could use branded types:

```
type GUID = string & { isGuid: true };  
function guid(guid: string) : GUID {  
    return guid as GUID; // maybe add validation that the parameter is an actual guid ?  
}  
export interface Product {  
    id: GUID;  
    productName: string;  
    price: number;  
    level: number;  
}  
  
declare let p: Product;  
p.id = "" // error  
p.id = guid("guid data"); // ok  
p.id.split('-') // we have access to string methods
```

This [article](#) has a bit more of a discussion on branded types. Also the typescript compiler uses branded types for [paths](#) which is similar to this use case.

edited Mar 22 '18 at 15:28

answered Mar 22 '18 at 15:21



[Titian Cernicova-Dragomir](#)

94.4k 5 82 100



Another alternative is using following NPM package:

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Then it will be just like this:

```
import { Guid } from "guid-typescript";

export class Product {
  id: Guid;
  productName: string;
  price: number;
  level: number;
}
```

answered May 11 at 13:09



Jagjit Singh

95 1 10

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This is a better solution, thank you! – [Raniel Quirante](#) May 30 at 20:01

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