# How to cast object in object into Angular Class (Type)

Asked  1 year, 9 months ago    Active  3 months ago    Viewed  18k times

How can I cast `obj.category` into `Category` type in example below?

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I need this to set selected options in dropdown.

```
export class Category{
    id: number;
    name: string;

    constructor(obj: any) {
        this.id = obj.id;
        this.name = obj.name;
    }
}


export class Post {
    category: Category[];

    constructor(obj: any) {
        this.category = obj.category;
    }
}
```

Category service looks like this:

```
getCategories(): Promise<Category[]> {
    return this.http.get(this.appConfig.apiEndpoint + 'categories/').toPromise()
  .then(response => response.json().map(obj => new Category(obj)))
  .catch(this.handleError);
}
```

Api response:

```
[{"id":1,"name":"cat1"},{"id":2,"name":"cat2"}]
```

Template:

```
<select multiple name="category" [(ngModel)]="obj.post.category">
    <option  *ngFor="let category of categories" [ngValue] = "category">
        {{category.name}}
    </option>
</select>
```

angular   typescript

edited Dec 11 '17 at 9:31       asked Dec 11 '17 at 7:26

pelcomppl
**108**   1   2   10

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1   In your code `Post` is declared as an interface, it should be a class. Also is `Category` an interface or a class ? If it is an interface and `obj.category` has the same shape as the expected interface your code should work fine – Titian Cernicova-Dragomir Dec 11 '17 at 7:29

Category is `export class` – pelcomppl Dec 11 '17 at 7:39

`obj.category` is an object with what runtime shape ? You should provide more information. What is an example of `obj` , what does the `Category` class look like ? – Titian Cernicova-Dragomir Dec 11 '17 at 7:41

@TitianCernicova-Dragomir I added more details in my code. `obj.category` has the same structure as Category api repsonse. Could it works without changing `export class Category` into interface? – pelcomppl Dec 11 '17 at 8:17

And what error are you getting, the code looks ok, you take the response array and you use `map` to convert it to an array of `Category` – Titian Cernicova-Dragomir Dec 11 '17 at 9:09

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## 2 Answers

Possible answer

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```
export interface Category {
  name: string;
  prop: string;
}
export class Post {
    category: Category[];
    constructor(obj: any) {
        this.category = obj.category as Category[];
    }
```

```
    }
    `
```

answered Dec 11 '17 at 7:39

**stojevskimilan**
**572**   3   10

I tried this solution but my app doesn't work with Category as interface. – pelcomppl  Dec 11 '17 at 8:19

Can you tell me whar is error? – stojevskimilan  Dec 11 '17 at 8:38

You can see in service above: `obj => new Category(obj)` and it not works with interface. – pelcomppl  Dec 11 '17 at 8:48

The keyword `as` allowed me to properly cast my object to desired class and fixed the error ´TS2322: Type '{}' is not assignable to type ...´. Thanks!

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answered May 29 at 7:08

**Laszlo Sarvold**
**86**   10