

TypeScript casting arrays



I'm trying to use a wrapper for a library that wants an Array as an input parameter.

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I tried casting the Array, but I get an error: Cannot convert 'any[]' to 'Array'



Is there a way to make this work?



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```
var rows = new Array(10);  
var rows2 = <Array>rows; //<--- Cannot convert 'any[]' to 'Array'
```

casting

typescript

edited Oct 9 '12 at 10:29



Fenton

164k

46

301

327

asked Oct 9 '12 at 4:12



Adam Tegen

14.3k

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109

147

I can convert the wrapper to any[], but I'd like to know why I can't cast to an Array. — Adam Tegen Oct 9 '12 at 4:13

4 Answers



There are 4 possible conversion methods in TypeScript for arrays:

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```
let x = []; //any[]
```



```
let y1 = x as number[];  
let z1 = x as Array<number>;  
let y2 = <number[]>x;  
let z2 = <Array<number>>x;
```

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shadeclare

3,356 3 37 45



I think the right syntax is:

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```
var rows2 = <Array<any>>rows;
```



That's how you cast to `interface Array<T>`

answered Feb 3 '16 at 15:10



Tsvetomir Nikolov

324 3 11



I think this is just a bug - can you log an issue on the CodePlex site?

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As a workaround, you can write `<Array><any>rows ;`



answered Oct 9 '12 at 4:33



Ryan Cavanaugh

111k 30 181 186



A simple solution for all types

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```
const myArray = <MyType[]>value;
```



answered Jan 2 at 21:12



Jayant Varshney

1,198 14 34

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