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?



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

casting

typescript

edited Oct 9 '12 at 10:29



Fenton **164k** 46 301 327

asked Oct 9 '12 at 4:12



Adam Tegen

3k 30 109 1

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 convertion methods in TypeScript for arrays:

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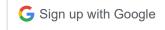
let x = []; //any[]



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

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I think the right syntax is:



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



const myArray = <MyType[]>value;



answered Jan 2 at 21:12



Jayant Varshney 1,198 14 34

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