

# Angular2 table rows as component



I am experimenting with angular2 2.0.0-beta.0

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I have a table and the line content is generated by angular2 this way:



```
<table>
  <tr *ngFor="#line of data">
    .... content ....
  </tr>
</table>
```



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Now this works and I want to encapsulate the content into a component "table-line".

```
<table>
  <table-line *ngFor="#line of data" [data]="line">
  </table-line>
</table>
```

And in the component, the template has the <tr><td> content.

But now the table does no more work. Which means, the content is no longer shown in columns. In the browser, the inspector shows me that the DOM elements look like this:

```
<table>
  <table-line ...>
    <tbody>
      <tr> ....
```

How can I make this work?



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## 4 Answers



### use existing table elements as selector

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The table element doesn't allow `<table-line>` elements as children and the browser just removes them when it finds them. You can wrap it in a component and still use the allowed `<tr>` tag. Just use `"tr"` as selector.



### using `<template>`



`<template>` should be allowed as well but doesn't yet work in all browsers. Angular2 actually never adds a `<template>` element to the DOM, but only processes them internally, therefore this can be used in all browsers with Angular2 as well.

### Attribute selectors

Another way is to use attribute selectors

```
@Component({  
  selector: '[my-tr]',  
  ...  
})
```

to be used like

```
<tr my-tr>
```

edited Feb 14 '17 at 10:28

answered Jan 1 '16 at 13:21



[Günter Zöchbauer](#)

353k 81 1110 1017

So I would create my `TableItemComponent` with a `selector = 'tr'`. But how can use 'tr' in other places for different issues? – [fbenoit](#) Jan 1 '16 at 13:24

6 If the parent component includes your custom `tr` tag it will be used, otherwise it's default browser behavior takes place. You can also add attributes or

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OP's problem) – [Rob ♦](#) May 31 '17 at 8:18

- 1 I'm pretty sure there is no drawback, except that element selectors are way more common and therefore should be the default. If there is a valid case like table elements or `<li>` or similar, I don't see any reason why not to use it. – [Günter Zöchbauer](#) May 31 '17 at 17:18
- 2 Making my component selector use `tr[line-item]` worked and conforms to Angular Style guide rule STYLE 05-03 that tslint complains against. – [C.M.](#) Jun 7 '17 at 16:25

I found the example very usefull but it didn't work in the 2,2.3 build, so after much head scratching made it work again with a few small changes.

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```
import {Component, Input} from '@angular/core'

@Component({
  selector: "[my-tr]",
  template: ` {{title}}</h1> <table>   <tr *ngFor="let line of data" my-tr [line]="line"></tr> </table>` }) export class AppComponent {    title = "Angular 2 - tr attribute selector!";   data = [ [1,2,3], [11, 12, 13] ];   constructor() { console.clear(); } } |
```

answered Dec 22 '16 at 16:04

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Here's an example using a component with an attribute selector:

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```
import {Component, Input} from '@angular/core';
@Component({
  selector: '[myTr]',
  template: ` {{item}}</td>` }) export class MyTrComponent {   @Input('myTr') row; } @Component({   selector: 'my-app',   template: `{{title}} <table>   <tr *ngFor="let line of data" [myTr]="line"></tr> </table> ` }) export class AppComponent {   title = "Angular 2 - tr attribute selector";   data = [ [1,2,3], [11, 12, 13] ]; } |
```

Output:

```
1   2   3
11  12  13
```

Of course the template in the MyTrComponent would be more involved, but you get the idea.

Old (beta.0) [plunker](#).

edited Oct 6 '16 at 15:10

answered Jan 1 '16 at 17:14



**Mark Rajcok**

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'myTr' since it isn't a known property of 'tr'. – [Vukasin](#) Jan 4 '17 at 9:03

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try this

-2



```
@Component({
  selector: 'parent-selector',
  template: '<table><body><tr></tr></body></table>'
  styles: 'tr{ display:table-row; box-sizing:inherit; }'
})
export class ParentComponent{
}

@Component({
  selector: 'parent-selector',
  template: '<td>Name</td>Date<td></td><td>Stackoverflow</td>'
})
export class ChildComponent{}
```

answered Mar 15 '18 at 17:29



[Matsteel](#)

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