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# How do you make an Angular 2 component destroy itself?

Asked 2 years, 5 months ago   Active 1 year, 2 months ago   Viewed 5k times



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I am creating multiple dropdown menu components with a button in the parent, but I want those components to have buttons which destroy themselves. I'm sure it's simple, but can't seem to find anything that will do it. I know how to destroy it from the parent, but can't seem to do it from within. Anyone know? And just before it's destroyed, how can I send a message to the parent letting it know? (I have instances of them in the parent, but there are other things in the parent that need a signal)

I'm creating them dynamically using `viewContainerRef.createComponent` . Template looks like this:

```
<template item-host></template>
```

I tried an `@Output` and got this:

```
<template item-host [ERROR ->](destroyCheck)="someMethod($event)"></template>
```



angular

components

edited Apr 1 '17 at 1:35

asked Apr 1 '17 at 1:26



Jus10

2,749

4

30

53

## 2 Answers



Declare a output variable

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```
@Output() destroyCheck:EventEmitter<string>=new EventEmitter<string>();
```

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```
this.destroyCheck.emit('destroyed');
```



```
}
```

In your parent component handle this way.

```
<div>
  <child-comp (destroyCheck)="someMethod($event)"> </child-comp>
</div>
```

Your method should be handled as

```
someMethod(something){
  console.log(something);
}
```

answered Apr 1 '17 at 1:30



[Aravind](#)

26.8k 9 71 89

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This would definitely work normally and looks good. I'm using `<template item-host></template>` though and it is giving errors. I updated the question. – [Jus10](#) Apr 1 '17 at 1:37

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`<template>` is a default html tag and you cannot use it for custom components. – [Aravind](#) Apr 1 '17 at 1:46

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1 upvote too @Jus10 – [Aravind](#) Apr 1 '17 at 4:14

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maybe i am missing something, but the question was how to destroy component, and answer shows how to *notify parent* AFTER being destroyed(how is unanswered)? – [Sergey Sob](#) Aug 23 at 8:06

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use `ComponentRef.destroy()`

if you creating components dynamically using `viewContainerRef.createComponent` then you can destroy it with `ComponentRef.destroy()`. all you need is view reference to itself in the component, like in the example :

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```
...  
const componentRef = this.placeholder.createComponent(  
  this.resolver.resolveComponentFactory(SOMECOMP));  
componentRef.instance.viewRef = componentRef;  
...
```

child:

```
viewRef: ComponentRef<SOMECOMP>;  
...  
this.viewRef.destroy();  
...
```


answered Jul 18 '18 at 11:38



Igor Zinin

51 3

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It works fine. Is it ok from architect/angular approach point of view? – DicBrus Oct 16 '18 at 8:23 

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