How to call a function from another controller in angularjs? [duplicate]

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I need to call function in another controller in angular js.How it is possible way please help me thanks in advance

Code :

```
app.controller('One', ['$scope',
    function($scope) {
        $scope.parentmethod = function() {
            // task
        }
    }
]);
app.controller('two', ['$scope',
    function($scope) {
        $scope.childmethod = function() {
            // Here i want to call parentmethod of One controller
        }
    }
]);
```

angularjs   controller   angularjs-scope

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edited Oct 15 '16 at 12:02
Xsmael
922 ● 2 ● 21 ● 39

asked Apr 6 '15 at 7:43
Bhavesh Chauhan
426 ● 1 ● 5 ● 22

> **marked** as duplicate by squiroid, Boaz, Pankaj Parkar, Duncan, Code L♡ver Apr 6 '15 at 9:38
>
> This question has been asked before and already has an answer. If those answers do not fully address your question, please ask a new question.

1   Put the function in a service, and inject the service in both controllers. Or, if the second controller scope is a child of the first controller scope, call it directly. – JB Nizet Apr 6 '15 at 7:47 ✎

1   This feels like an XY Question to me; While there are a few ways you *can* call a function on another controller, there are really very few good reasons that you *have* to do so. Perhaps describing what your actual problem is would be more helpful than asking about the solution you are trying to implement? Calling a function on a different controller isn't really the "angular way" of doing things. – Claies Apr 6 '15 at 7:49 ✎

is one controller a child/grand-child of the other controller? Or are they unrelated siblings? – pixelbits Apr 6 '15 at 8:11 ✎

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Communication between controllers is done though `$emit` + `$on` / `$broadcast` + `$on` methods.

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So in your case you want to call a method of Controller "One" inside Controller "Two", the correct way to do this is:

```
app.controller('One', ['$scope', '$rootScope'
    function($scope) {
        $rootScope.$on("CallParentMethod", function(){
            $scope.parentmethod();
        });

        $scope.parentmethod = function() {
            // task
        }
    }
]);
app.controller('two', ['$scope', '$rootScope'
    function($scope) {
        $scope.childmethod = function() {
            $rootScope.$emit("CallParentMethod", {});
        }
    }
]);
```

While `$rootScope.$emit` is called, you can send any data as second parameter.

share improve this answer

Great!! it worked for me – Naveen May 16 '16 at 12:54

2 I am able to call the function just using $rootScope.function_name(); – Md. Nahiduzzaman Rose Dec 22 '16 at 6:40

with a minor issue for param passing.. this resolved a big issue of mine. Thanks – Null Pointer Nov 9 '17 at 5:46

we can not pass parameter like this. 1st param is event whereas 2nd is data. like $rootScope.$on("CallParentMethod", function(event,data){}); – Adeel Shekhani Oct 30 '18 at 19:02

add a comment

I wouldn't use function from one controller into another. A better approach would be to move the common function to a service and then inject the service in both controllers.

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4 This is not always possible – Terra Ashley Apr 21 '17 at 23:32

add a comment

If the `two` controller is *nested* in `One` controller.
Then you can simply call:

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```
$scope.parentmethod();
```

Angular will **search** for `parentmethod` function starting with current scope and up until it will reach the `rootScope`.

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edited Oct 25 '16 at 7:38

answered Apr 6 '15 at 9:23

Devid Farinelli
5,150 ● 6 ● 29 ● 61

cheziHoyzer
1,768 ● 7 ● 34 ● 62

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You may use events to provide your data. Code like that:

```
app.controller('One', ['$scope', function ($scope) {
        $scope.parentmethod=function(){
                $scope.$emit('one', res);// res - your data
        }
}]);
app.controller('two', ['$scope', function ($scope) {
        $scope.$on('updateMiniBasket', function (event, data) {
                ...
        });
}]);
```

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answered Apr 6 '15 at 7:47

vitalik_74
4,087 ● 2 ● 10 ● 23

Life saver. There is an answer above , I followed it and it almost worked for me but param was not received. He missed the point that if we want to pass param, we need to do $scope.$on('someMehotdName',function(event,data){}); – Adeel Shekhani Oct 30 '18 at 19:00

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The best approach for you to communicate between the two controllers is to use events.

See the scope documentation

In this check out $on , $broadcast and $emit .

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edited Oct 25 '16 at 7:37

answered Apr 6 '15 at 7:50

Devid Farinelli
5,150 ● 6 ● 29 ● 61

Reena
1,115 ● 8 ● 16

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If you would like to execute the parent controller's parentmethod function inside a child controller, call it:

```
$scope.$parent.parentmethod();
```

You can try it over here

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edited Oct 25 '16 at 7:38

answered Apr 6 '15 at 8:44

Devid Farinelli
5,150 ● 6 ● 29 ● 61

ER144
665 ● 4 ● 10

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