

Angular 2 get current route in guard



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I have an AccessGuard class in my project which its work is to determine if user can access to the route or not. I used the `router.url` to get the current route but the url returns the route before navigation to the new route like I'm in the users route and I click on the candidates route so the url returns users instead of candidates which I want that to validate access to the route this is my route file:



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```
const routes:Routes = [
{
  path:'',
  component:PanelComponent,
  canActivate:[AuthGuard,AccessGuard],
  canActivateChild:[AuthGuard,AccessGuard],
  children:[
    {
      path:'dashboard',
      component:DashboardComponent
    },
    {
      path:'users',
      component:UsersComponent
    },
    {
      path:'users/:id',
      component:ShowUserComponent
    },
    {
      path:'candidates',
      component:CandidatesComponent
    },
    {
      path:'permissions',
      component:PermissionsComponent
    },
    {
      path:'holidays',
      component:HolidaysComponent
    },
  ],
}
```

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```
        component:InsertSalaryComponent
      },
      {
        path:'document/create',
        component:InsertDocumentComponent
      },
      {
        path:'leave/create',
        component:InsertLeaveComponent
      }
    ]
  }
};
```

and this is my access guard:

```
permissions;
currentRoute;
constructor(private authService:AuthService,private router:Router){
  this.permissions = this.authService.getPermissions();
}

canActivate(){
  return this.checkHavePermission();
}

canActivateChild(){
  console.log(this.router.url);
  return this.checkHavePermission();
}

private checkHavePermission(){
  switch (this.router.url) {
    case "/panel/users":
      return this.getPermission('user.view');
    case '/panel/dashboard':
      return true;
    case '/panel/candidates':
      return this.getPermission('candidate.view');
    default:
```

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```
for(var i=0;i<this.permissions.length;i++){
  if(this.permissions[i].name == perm ){
    return true;
  }
}
return false;
}
```

[angular](#)[angular2-routing](#)[angular2-guards](#)

asked Sep 28 '16 at 12:15

[Hossein Ahmadi](#)

335 2 5 17

3 Answers



You need to use the method parameters to see the target route:

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```
canActivate(route: ActivatedRouteSnapshot, state: RouterStateSnapshot) {
  console.log(state.url); // 'candidates'
}
```

```
canActivateChild(childRoute: ActivatedRouteSnapshot, state: RouterStateSnapshot)
```

answered Sep 28 '16 at 12:24

[Guilherme Meireles](#)

5,691 2 15 14

I just have question I removed the ActivatedRouteSnapshot from parameters and the state.url returned an array but if the ActivatedRouteSnapshot is in arguments it's passes the actual url why? – [Hossein Ahmadi](#) Sep 28 '16 at 12:42

You should not remove the ActivatedRouteSnapshot from parameters even if you just want to use the RouterStateSnapshot parameter. The parameters

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this could help you:

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1. Import *ActivatedRouteSnapshot* and *RouterStateSnapshot*:

```
import { Router, CanActivate, ActivatedRouteSnapshot, RouterStateSnapshot } from '@angular/router';
```

2. Signature in the **canActivate**:

```
canActivate(route: ActivatedRouteSnapshot, state: RouterStateSnapshot):Observable {}
```

3. Check the **state**:

```
console.log("route-access",state);
```

Your Guard file would look something like this:

```
import { Injectable } from '@angular/core';
import { Router, CanActivate, ActivatedRouteSnapshot, RouterStateSnapshot } from
'@angular/router';
import { Observable } from 'rxjs';
import { AutenticacionService } from 'app/services/index';
@Injectable()
export class AuthGuard implements CanActivate {
  constructor(private _router: Router, private auth:AutenticacionService) {}
  canActivate(route: ActivatedRouteSnapshot, state:
RouterStateSnapshot):Observable<boolean> {
    // console.log("route-access",state);
    let _url:string="";
    state.url.split("/").forEach(element => {
      if(_url=="")
        if(element!="")
          _url=element;
    });
    // console.log(_url);
    return this.auth.check(_url)
      .map((result) => {
        if (result) {
          return true;
        } else {
```

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```
}
```

[edited May 1 '17 at 23:02](#)[answered May 1 '17 at 15:45](#)[eberlast](#)

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▲ Current URL can be returned from RouterStateSnapshot as shown below,

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```
import { CanActivate, ActivatedRouteSnapshot, RouterStateSnapshot, Router } from
 '@angular/router';

canActivate(next: ActivatedRouteSnapshot, state: RouterStateSnapshot){
  console.log(state.url);
  ...
}
```

[answered Nov 11 '18 at 8:16](#)[Chandan Y S](#)

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