How to use new NavigationStart @angular-router 3.0.0-alpha.*

Asked 3 years, 3 months ago   Active 2 years, 3 months ago   Viewed 23k times

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I see these new events in the new Angular 2 Router.

Theres NavigationStart, NavigationEnd, NavigationFailed (or something like that)

Does anyone know how to use these yet? I've messed around with a few things but haven't been able to get them to do anything.

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typescript   Ⓐ angular

asked Jun 22 '16 at 20:14

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2 Answers

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The `Router` provides an `events` observable that can be subscribed to

```
constructor(router:Router) {
  router.events.subscribe(event => {
    if(event instanceof NavigationStart) {
    }
    // NavigationEnd
    // NavigationCancel
    // NavigationError
    // RoutesRecognized
  }
});
```

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See also

- https://angular.io/docs/ts/latest/api/router/index/NavigationEnd-class.html

- https://angular.io/docs/ts/latest/api/router/index/NavigationCancel-class.html

- https://angular.io/docs/ts/latest/api/router/index/NavigationError-class.html

- https://angular.io/docs/ts/latest/api/router/index/RoutesRecognized-class.html

NOTE

don't forget to import `NavigationStart` from `router` module

```
import { Router, NavigationStart } from '@angular/router';
```

because if you don't import it `instanceof` will not work and an error `NavigationStart is not defined` will rise.

edited Jul 13 '17 at 16:38	answered Jun 23 '16 at 6:26
Ben Anderson	Günter Zöchbauer
4,898 3 33 37	**374k** 88 1198 1085

I see this error with RC4, `Unhandled Promise rejection: (SystemJS) Error: Cannot resolve all parameters for 'Router'(?, ?, ?, ?, ?, ?, ?)`. Make sure that all the parameters are decorated with Inject or have valid type annotations and that 'Router' is decorated with `Injectable` . I handled it with ROUER_PROVIDERS with RC2, but don't know how with RC4 because couldn't find it with RC4. any hint or plunker you have? – allenhwkim Jul 24 '16 at 19:07 ✎

This doesn't seem to be related to this question or my answer. See stackoverflow.com/a/38555016/217408 – Günter Zöchbauer Jul 24 '16 at 19:11

1   When using this, you may also need to import "Event" from @angular/router. Otherwise, TypeScript will use regular window.Event, which NavigationStart will not resolve to. – oooyaya Jan 19 '17 at 17:42

Are you putting this in the AppModule constructor? – Jordan Skole Jan 30 '17 at 16:50

1   @oooyaya - I imported `Event` from `@angular/router` ,but I get compile error. I had to remove it from `@angular/router` and just do `router.events.subscribe(event => { ... })` for it to work (i.e., change `event:Event` to `event`). – kimbaudi Jun 11 '17 at 20:32

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Just like this

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```
constructor(
```

```
.filter(event=> event instanceof NavigationStart)
.subscribe((event:NavigationStart)=>{
    // TODO
});
```

answered Feb 15 '17 at 10:34

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Property 'filter' does not exist on type 'Observable<Event>'. – osynligsebastian May 19 '17 at 13:09

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2   You need to import the filter operator, otherwise you will get this error. `import 'rxjs/add/operator/filter'` – frosty Aug 24 '17 at 22:57