Error: rxfire Generic type 'AggregateQuerySnapshot<T>' requires 1 type argument(s) in angular build after npm install

Asked 23 days ago   Modified 9 days ago   Viewed 2k times

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I'm getting a new error in Angular after a maintenance npm upgrade where no direct dependency versions changed.

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ng serve produces this error and the build fails:

```
[ng]
[ng] Error: node_modules/rxfire/firestore/lite/interfaces.d.ts:8:29 - error
TS2314: Generic type 'AggregateQuerySnapshot<T>' requires 1 type argument(s).
[ng]
[ng]  8 export type CountSnapshot = lite.AggregateQuerySnapshot<{
[ng]                               ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
[ng]  9    count: lite.AggregateField<number>;
[ng]    ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
[ng] 10 }, any, DocumentData>;
[ng]    ~~~~~~~~~~~~~~~~~~~~~
[ng] × Failed to compile.
```

How can I fix this?

I already reinstalled the full project from scratch. Package dependencies match angular fire instructions:

```
"dependencies": {
   "@angular/common": "^15.2.2",
   "@angular/core": "^15.2.2",
   "@angular/fire": "^7.5.0",
   "@angular/forms": "^15.2.2",
   "@angular/platform-browser": "^15.2.2",
   "@angular/platform-browser-dynamic": "^15.2.2",
   "@angular/router": "^15.2.2",
   "@angular/service-worker": "^15.2.2",
   "firebase": "^9.17.1",
   "tslib": "^2.2.0",
   "zone.js": "~0.11.4"
},
```

angular   firebase   npm

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edited Sep 18 at 14:13

TylerH
20.8k   66   76   101

asked Sep 5 at 14:48

Latorre
101   4

6 Answers

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I have this error and have angular/fire installed using ng add @angular/fire

package.json:

```
  "@angular/core": "^16.0.0",
  "@angular/fire": "^7.6.1",
```

package.lock.json:

```
  "firebase": "^9.8.0",
  "rxfire": "^6.0.0",
```

In node_modules>rxfire>firestore>lite>interface.d.ts

I changed

```
export type CountSnapshot = lite.AggregateQuerySnapshot<{
    count: lite.AggregateField<number>;
}, any, DocumentData>;
```

to

```
export type CountSnapshot = lite.AggregateQuerySnapshot<{
    count: lite.AggregateField<number>;
}>;
```

Since the error says it need 1 type of argument, I just leave one.

I don't know if it can affect the app, but I don't plan on using Firestore lite.

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edited Sep 18 at 14:12
TylerH
20.8k   66   76   101

answered Sep 17 at 16:14
elie
121   1   3

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I had the same issue when using `rxfire@6.0.5`, but issue was fixed when i manually installed the specific version `rxfire@6.0.4`

I took these steps:

1. Deleted `rxfire` from my `node_modules` folder
2. Manually installed the specific version: `npm i rxfire@6.0.4`
3. Built the app: `npm run build`

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edited Sep 14 at 23:12   answered Sep 5 at 18:11

Al Dass   Ming
853   15   23   **21**   2

This worked for me when using in a Angular v16.2.0 standalone app with `@angular/fire@7.6.1`
– Al Dass Sep 6 at 6:38

2   @AlDass Can i ask what you did? – Aaron Nebbs Sep 8 at 23:27

@AaronNebbs I've updated my answer with more detailed steps. 1) deleted `rxfire` from my `node_modules` folder. 2) `npm i rxfire@6.0.4` 3) `npm run build` – Al Dass Sep 14 at 16:25 ✏️

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Install the latest version of firebase:

```
npm install firebase@latest
```

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edited Sep 18 at 14:09   answered Sep 8 at 19:44

TylerH   Ahmed Alwahib
20.8k   66   76   101   **21**   2

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My project does have `"@angular/fire": "7.6.1"` as dependency, and not `firebase` like the OP.

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But in this case, it think it will solve both, as i exactly get the same error from the same origin (`node_modules/rxfire/firestore/lite/interfaces.d.ts`)

Downgrading rxfire to version 6.0.4 did not work for me. Downgrading to version 6.0.3 results in a new error, stating

> '__spreadArray' was not found in 'tslib'

So there have been two steps to solve (for me):

1. Overwrite Firebase or @angular/fire module resolution to rxfire in `package.json` to 6.0.3. I added the way for pnpm as well, if you use this. Remember to replace `@angular/fire` to `firebase`, depending on need. Re-install everything afterwards with `npm i`.

   ```
   "pnpm": {
       "overrides": {
           "@angular/fire>rxfire": "6.0.3"
       }
   },
   "overrides": {
       "@angular/fire": {
           "rxfire": "6.0.3"
       }
   }
   ```

2. As said, the original error is gone, but there are complaints that some parameters cannot be found in `tslib`. Surprisingly, I read a lot about updating tslib to the latest version, but that didn't work. What does work is installing v2.1.0, specifically. Use `--save-exact` to avoid a version greater than 2.1.0.

   ```
   npm i --save-exact tslib@2.1.0
   ```

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edited Sep 18 at 14:12   answered Sep 12 at 21:05

TylerH   Gary Klasen
20.8k   66   76   101   **1,021**   1   12   30

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I got the same error following only the minimal install instructions from the AngularFire repository. So I'm guessing it's a bug. A quick-and-dirty solution if you just want to ignore the issue is to add `skipLibCheck: true` to the `compilerOptions` in your tsconfig.json file in the root directory. That silenced the error so that the app compiled but of course skipping the lib check can introduce other issues so it's not a production-ready solution.

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answered Sep 11 at 12:09

Gorgant
391 5 7

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I resolved this issue by force installing rxfire version 6.0.3

```
npm install rxfire@6.0.3
```

I had to restart ng serve as well.

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edited Sep 18 at 14:09

TylerH
20.8k 66 76 101

answered Sep 13 at 14:28

Morten
19 1

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