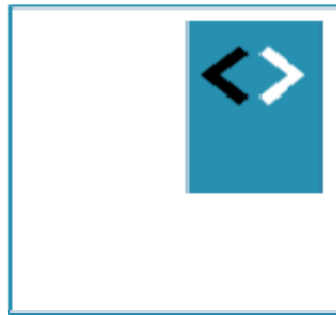


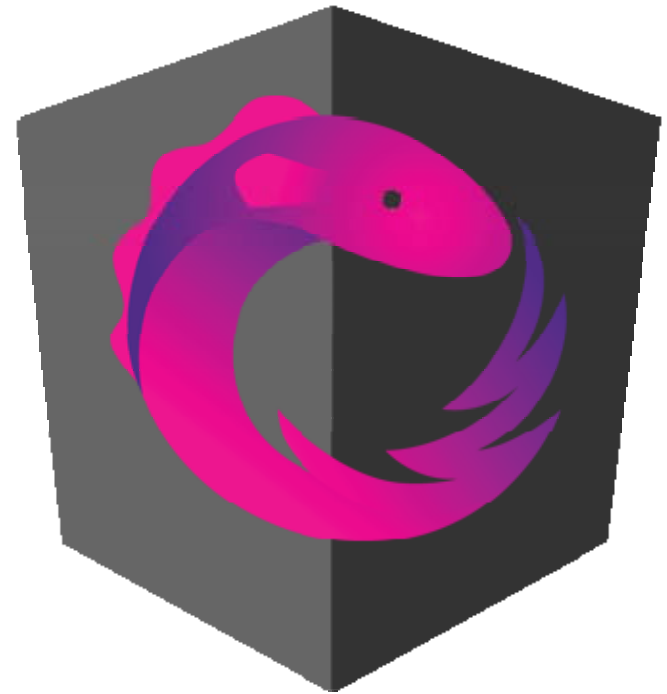
Angular Advanced @ngrx/store introspection with @ngrx/store-devtools



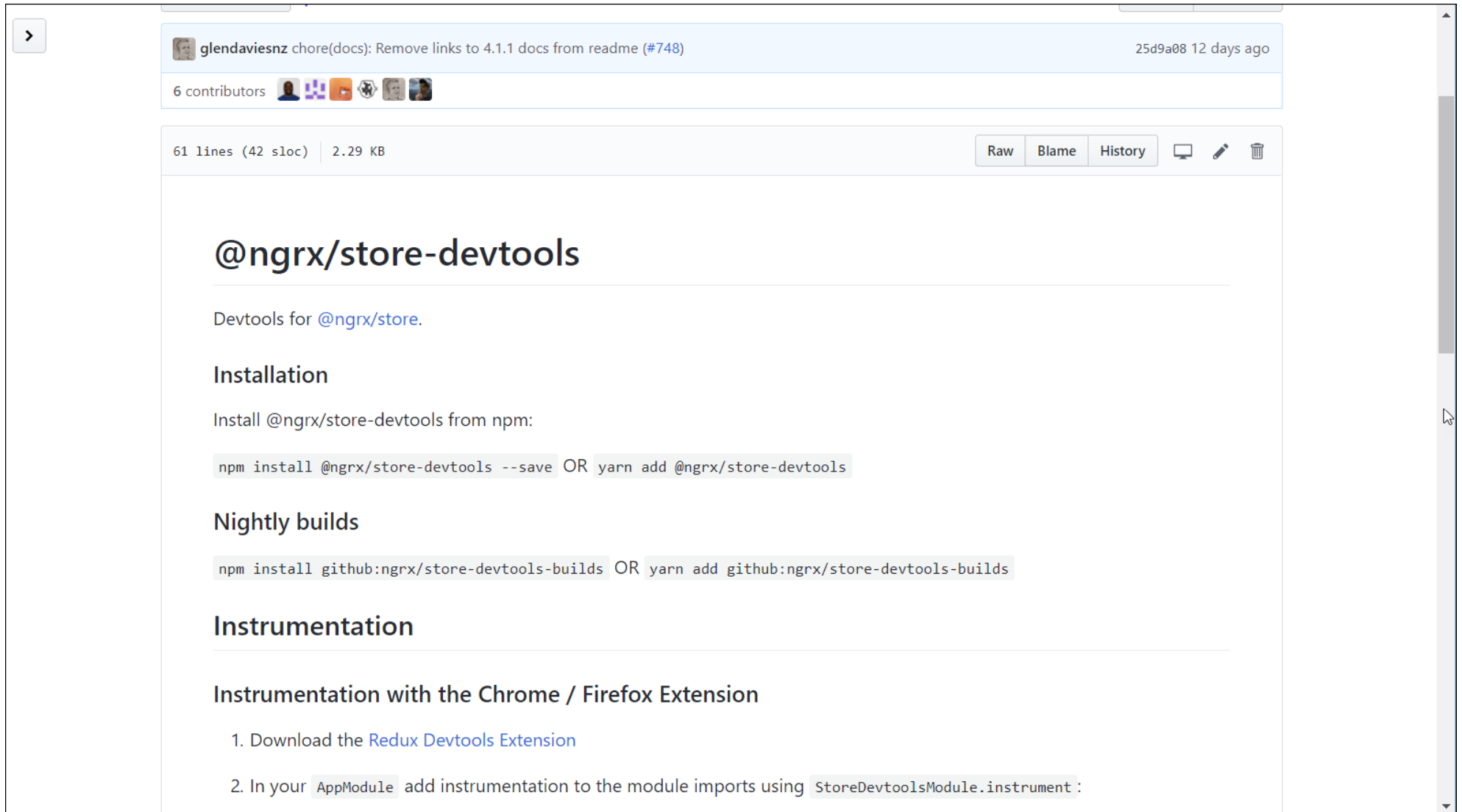
Peter Kassenaar –
info@kassenaar.com

What is @ngrx/store-devtools?

- Analyzing, inspection and debugging your State Management Store
- Time Travelling options



<https://github.com/ngrx/platform/tree/master/docs/store-devtools>



>

glendaviesnz chore(docs): Remove links to 4.1.1 docs from readme (#748) 25d9a08 12 days ago

6 contributors

61 lines (42 sloc) | 2.29 KB

Raw Blame History

@ngrx/store-devtools

Devtools for @ngrx/store.

Installation

Install @ngrx/store-devtools from npm:

```
npm install @ngrx/store-devtools --save OR yarn add @ngrx/store-devtools
```

Nightly builds

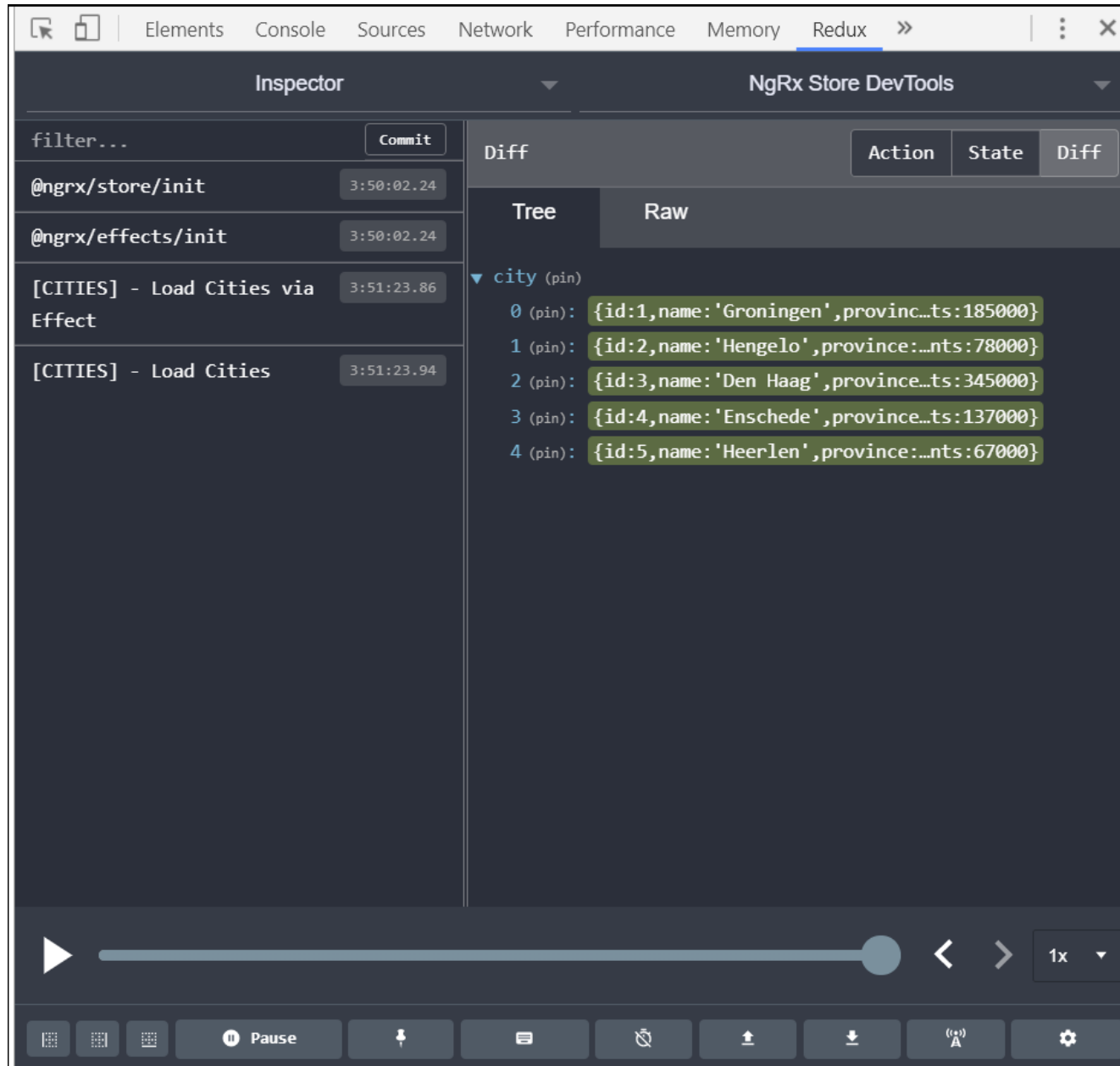
```
npm install github:ngrx/store-devtools-builds OR yarn add github:ngrx/store-devtools-builds
```

Instrumentation

Instrumentation with the Chrome / Firefox Extension

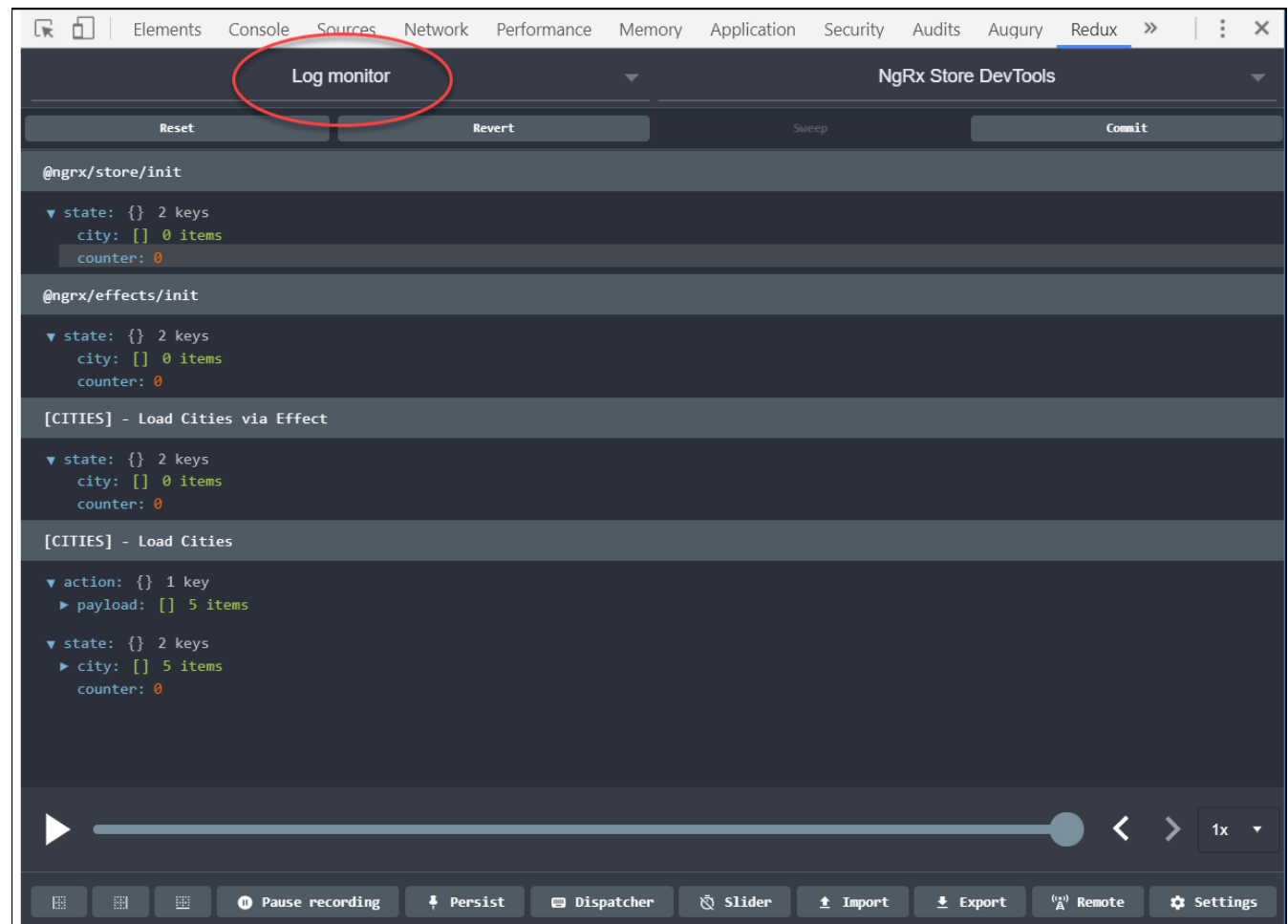
1. Download the [Redux Devtools Extension](#)
2. In your `AppModule` add instrumentation to the module imports using `StoreDevtoolsModule.instrument` :

Chrome Extension



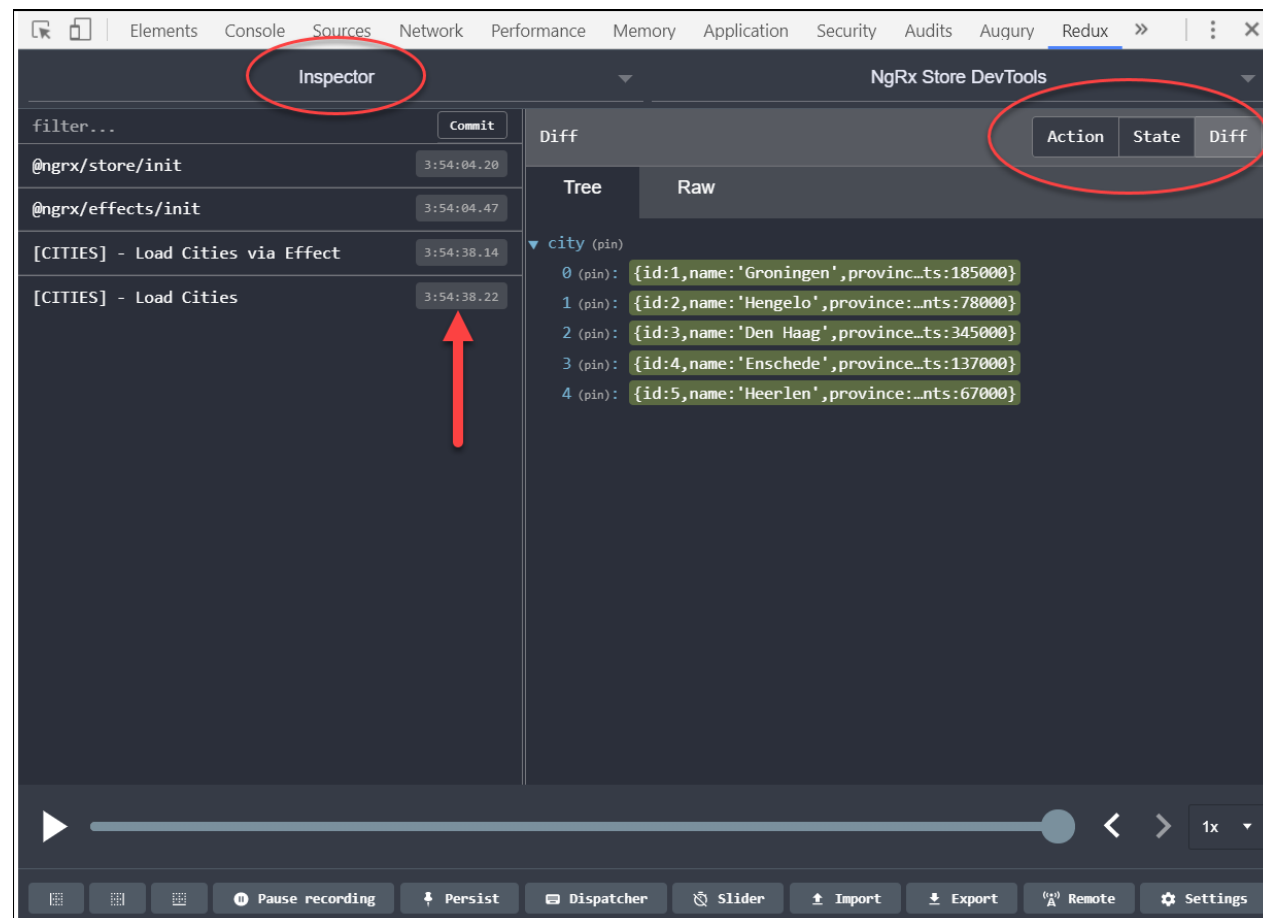
Options

- Log Monitor
 - Log actions from/to the store and see changes in Real Time
 - Reset/Revert actions



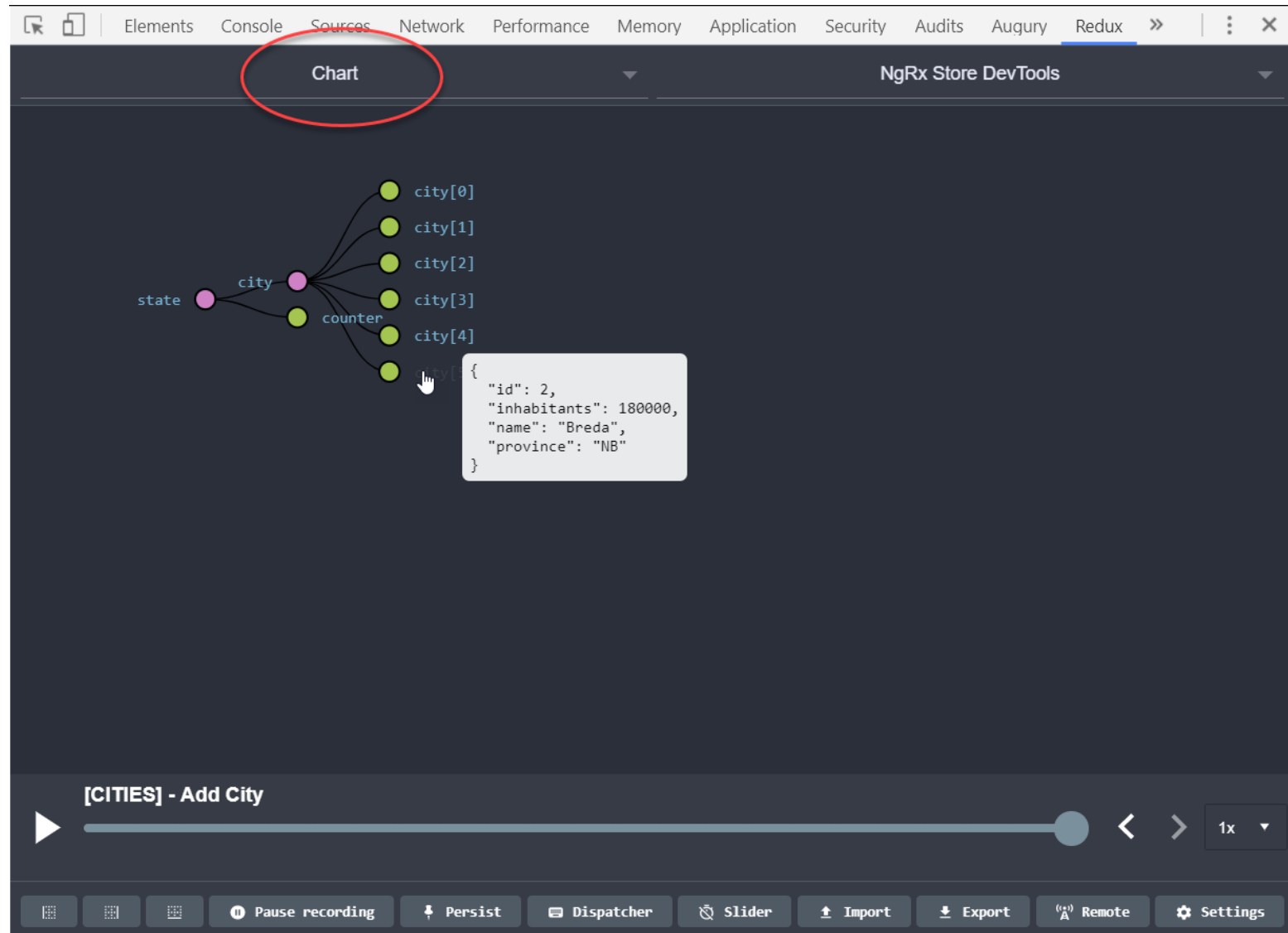
Inspector

- Filter Actions
- Jump/Skip actions
- Inspect Action, State or Diff compared to previous State



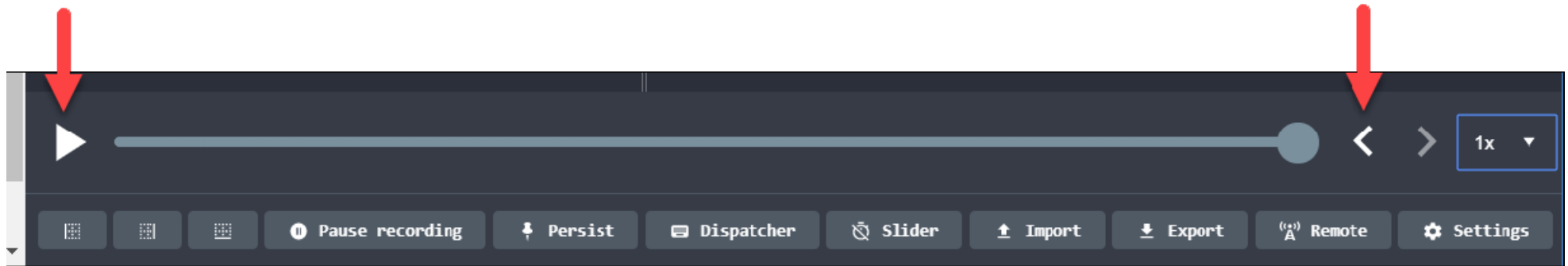
Chart

- Inspect flowchart of Actions, flow of data through the Store



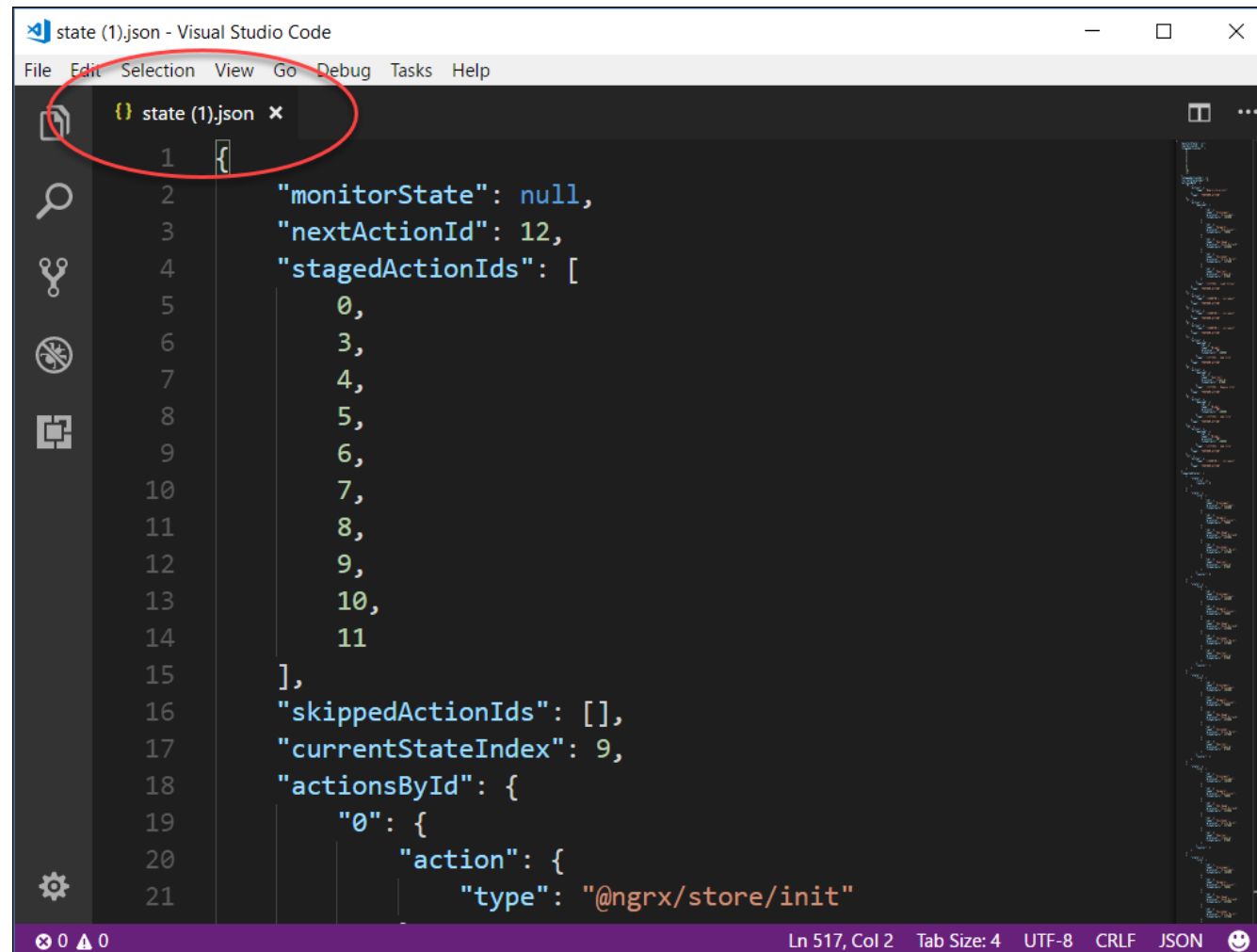
Slider

- (Re)play various actions and see changes in app and in state
- Jump to begin/end of timeline



Import/export State

- Save State changes to .json-file and import them to replay steps



The screenshot shows the Visual Studio Code editor with a file named 'state (1).json' open. The file name is circled in red in the tab bar. The JSON content is as follows:

```
1 {  
2   "monitorState": null,  
3   "nextActionId": 12,  
4   "stagedActionIds": [  
5     0,  
6     3,  
7     4,  
8     5,  
9     6,  
10    7,  
11    8,  
12    9,  
13    10,  
14    11  
15  ],  
16  "skippedActionIds": [],  
17  "currentStateIndex": 9,  
18  "actionsById": {  
19    "0": {  
20      "action": {  
21        "type": "@ngrx/store/init"}
```

The status bar at the bottom indicates the file is at Line 517, Column 2, with a tab size of 4, UTF-8 encoding, CRLF line endings, and JSON format.



Installation

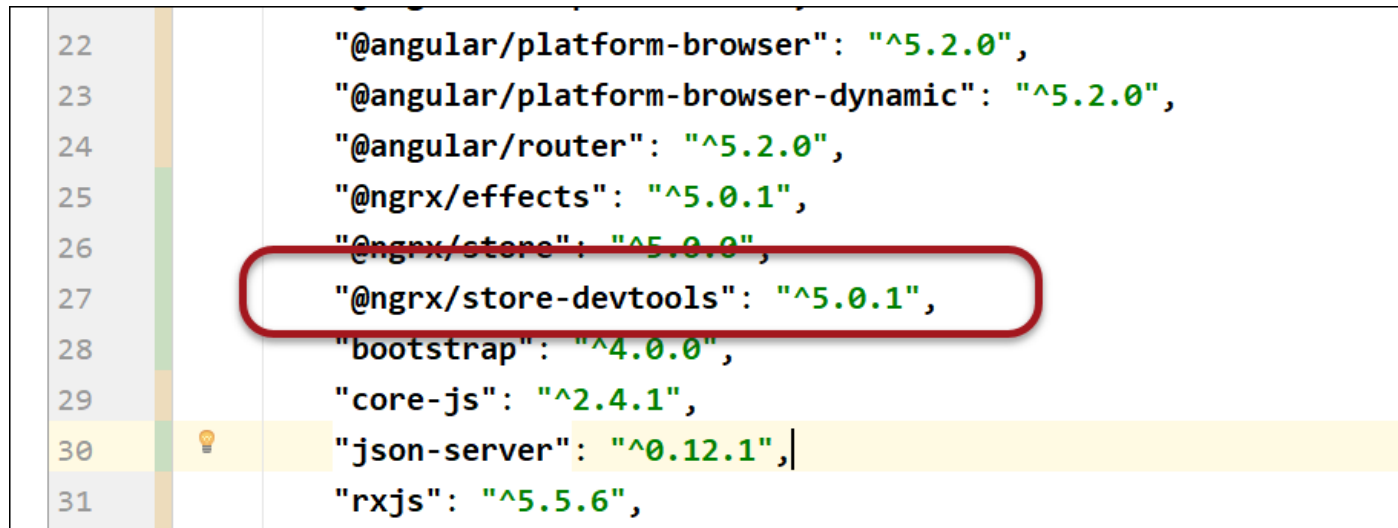
Install in project and in Google Chrome

Installation in Project

```
npm install @ngrx/store-devtools --save
```

OR:

```
yarn add @ngrx/store-devtools
```




```
22     "@angular/platform-browser": "^5.2.0",  
23     "@angular/platform-browser-dynamic": "^5.2.0",  
24     "@angular/router": "^5.2.0",  
25     "@ngrx/effects": "^5.0.1",  
26     "@ngrx/store": "^5.0.0",  
27     "@ngrx/store-devtools": "^5.0.1",  
28     "bootstrap": "^4.0.0",  
29     "core-js": "^2.4.1",  
30     "json-server": "^0.12.1",  
31     "rxjs": "^5.5.6",
```

Installation in app.module.ts

```
// app.module.ts
import {StoreDevtoolsModule} from '@ngrx/store-devtools';

@NgModule({
  ...
  imports      : [
    ...
    StoreDevtoolsModule.instrument({
      maxAge: 10}) // Redux Devtools debugging in Chrome
  ],
})
export class AppModule {
}
```



Install Redux DevTools

- Add from chrome://extensions

Redux DevTools
aangeboden door remotedev.io
★★★★★ (334) | [Ontwikkelaarstools](https://github.com/zalmoxisus/redux-devtools-extension) | 351.955 gebruikers

TOEGEVOEGD AAN CHROME

OVERZICHT RECENSIES ONDERSTEUNING GERELATEERD

Compatibel met je apparaat

Redux DevTools for debugging application's state changes.

The extension provides power-ups for your Redux development workflow. Apart from Redux, it can be used with any other architectures which handle the state.

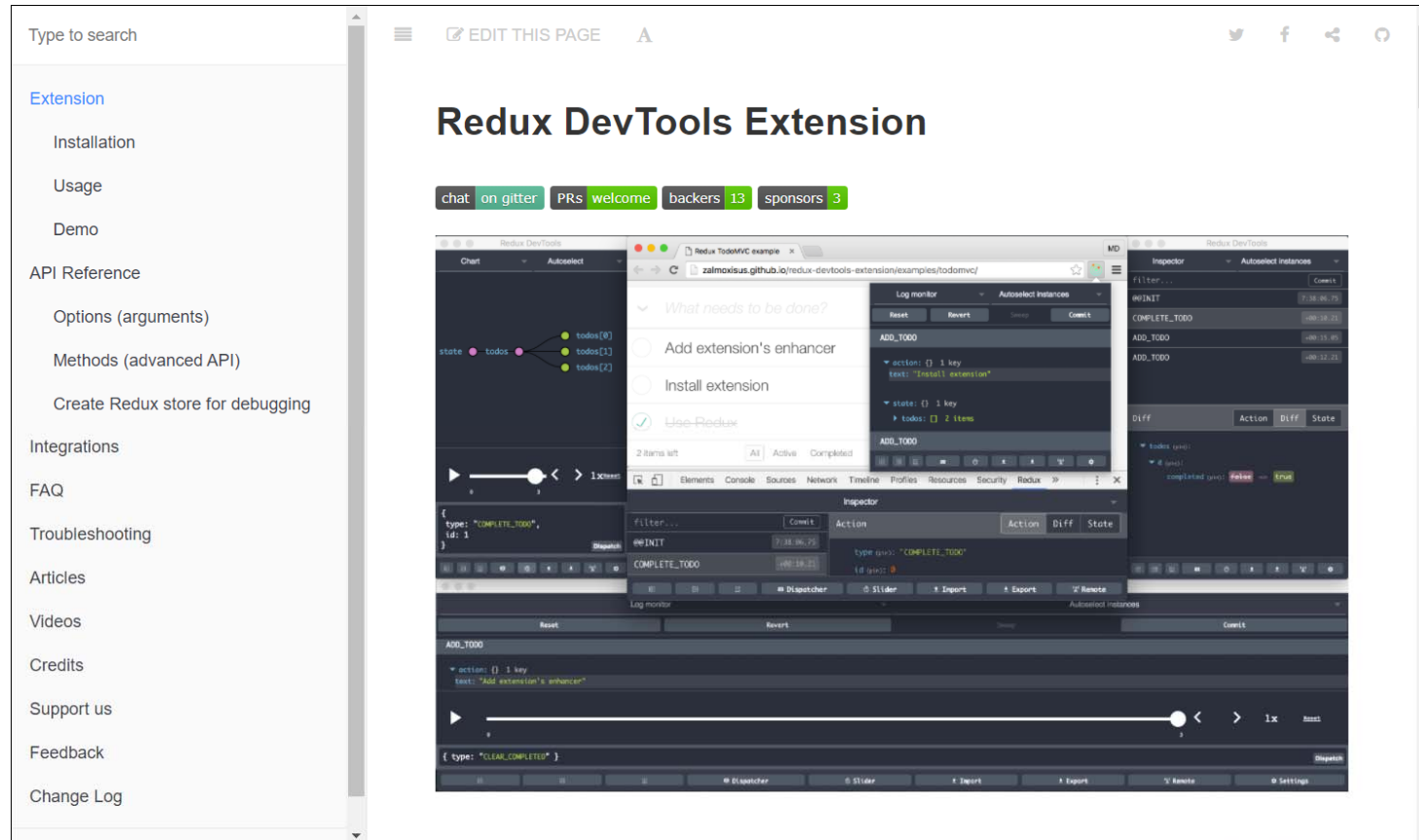
It's an opensource project. See the official repository for more details:
<https://github.com/zalmoxisus/redux-devtools-extension>

[Website](#)
[Misbruik melden](#)

Aanvullende informatie
Versie: 2.15.1
Laatst bijgewerkt: 7 mei 2017
Grootte: 1.54MiB
Taal: English

More info

- <http://extension.remotedev.io/>
- NOT specific to Angular – to be used with all Redux-like stores!



Workshop

- Use your own project, or start from one of the Store projects, for example `/200-ngrx-simple-store`
- Add Redux DevTools extension to Chrome (one-off action)
- Add `@ngrx/store-devtools` to current project via `npm` or `yarn`
- Activate devtools in `app.module.ts`
- Experiment with different views
 - Log Monitor
 - Inspector
 - Chart
- Export a State Tree to `.json` file, reload the project and import it again. See how this works

