



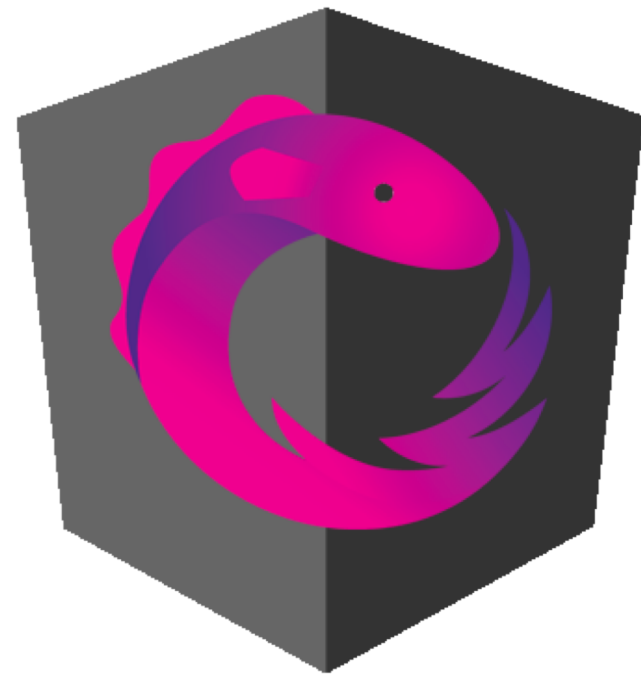
## Store introspection with `@ngrx/store-devtools`




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# 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

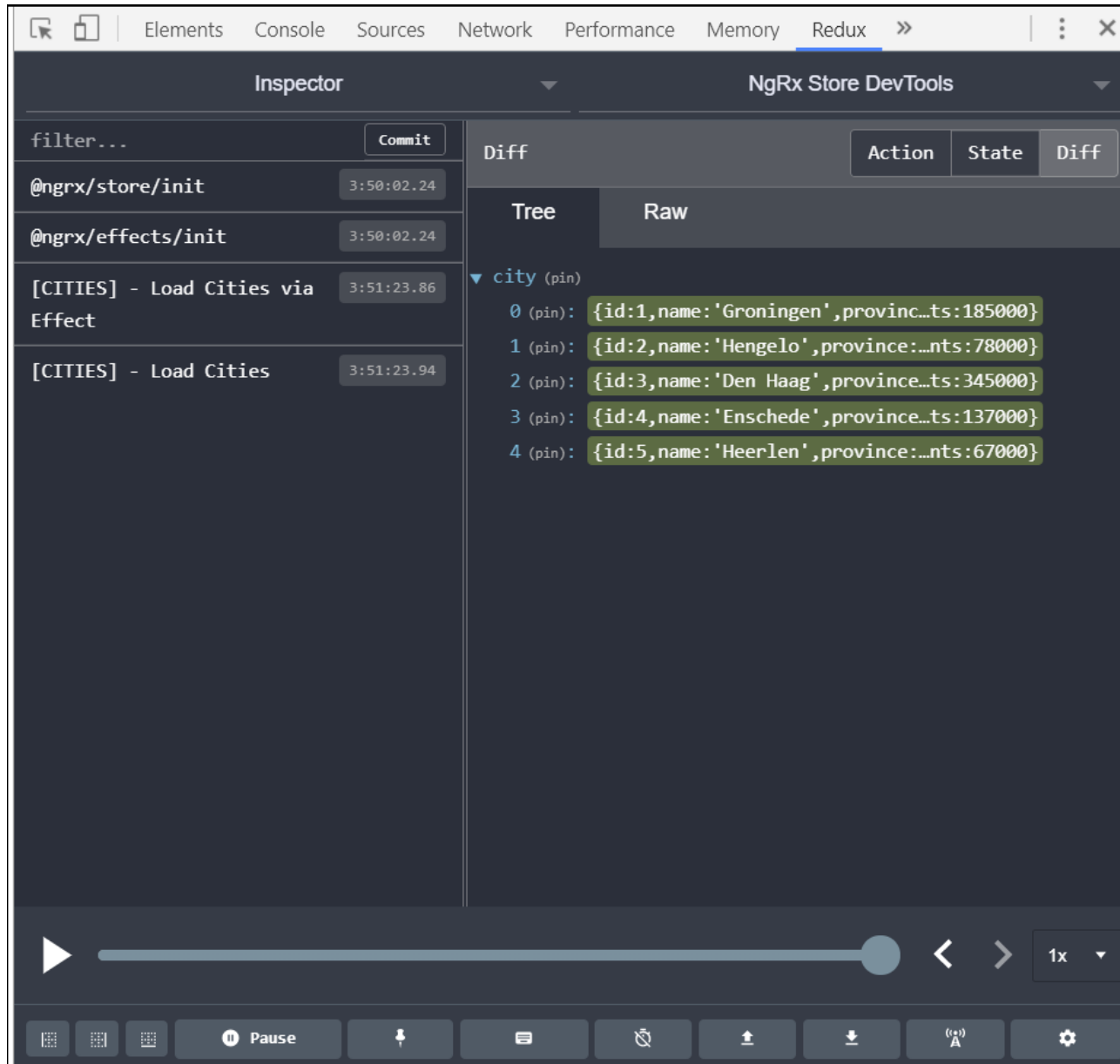
```
npm install github:ngrx/store-devtools-builds OR yarn add github:ngrx/store-devtools-builds
```

### Instrumentation

#### Instrumentation with the Chrome / Firefox Extension

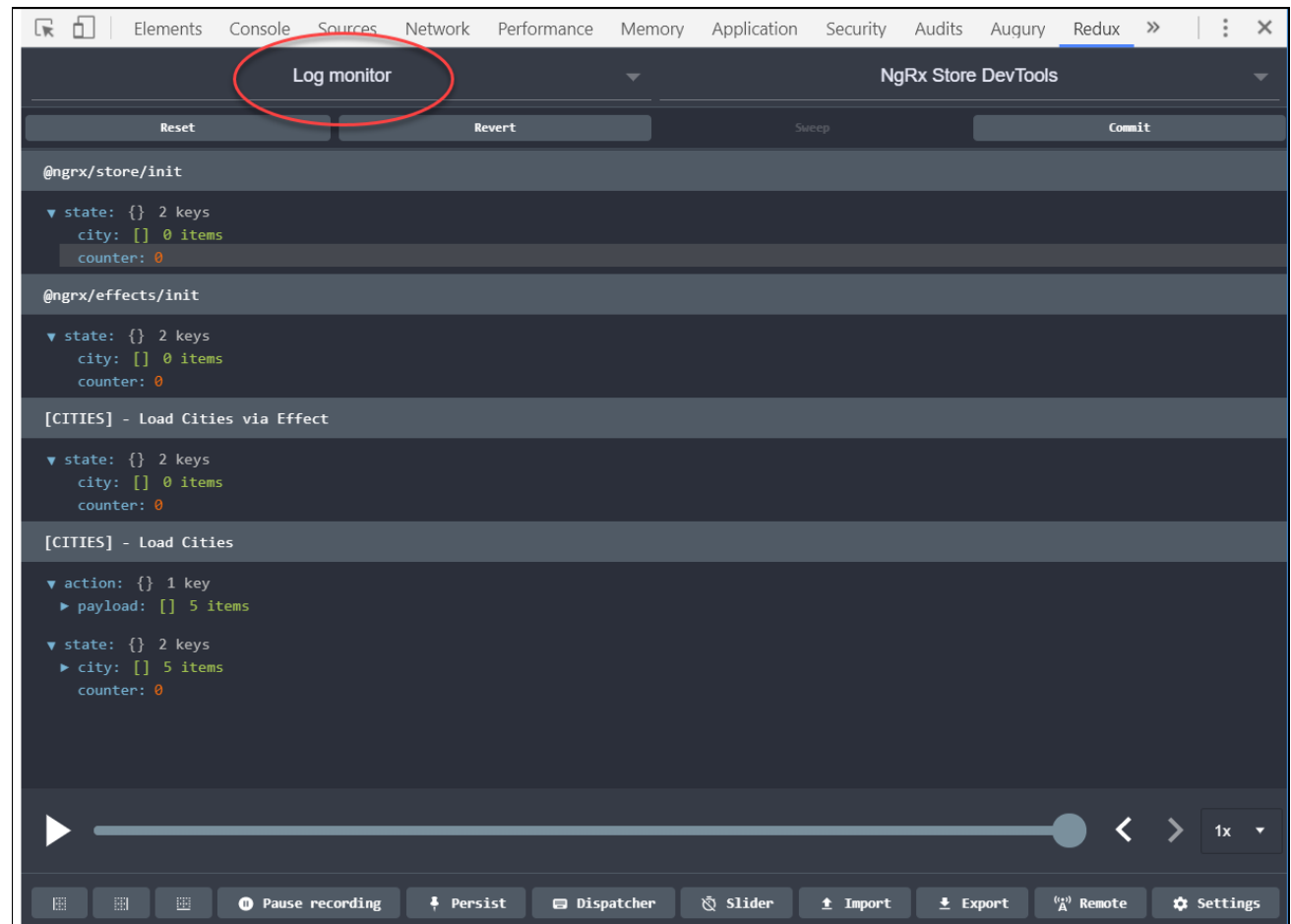
1. Download the [Redux Devtools Extension](#)
2. In your `AppModule` add instrumentation to the module imports using `StoreDevtoolsModule.instrument` :

# Chrome Extension



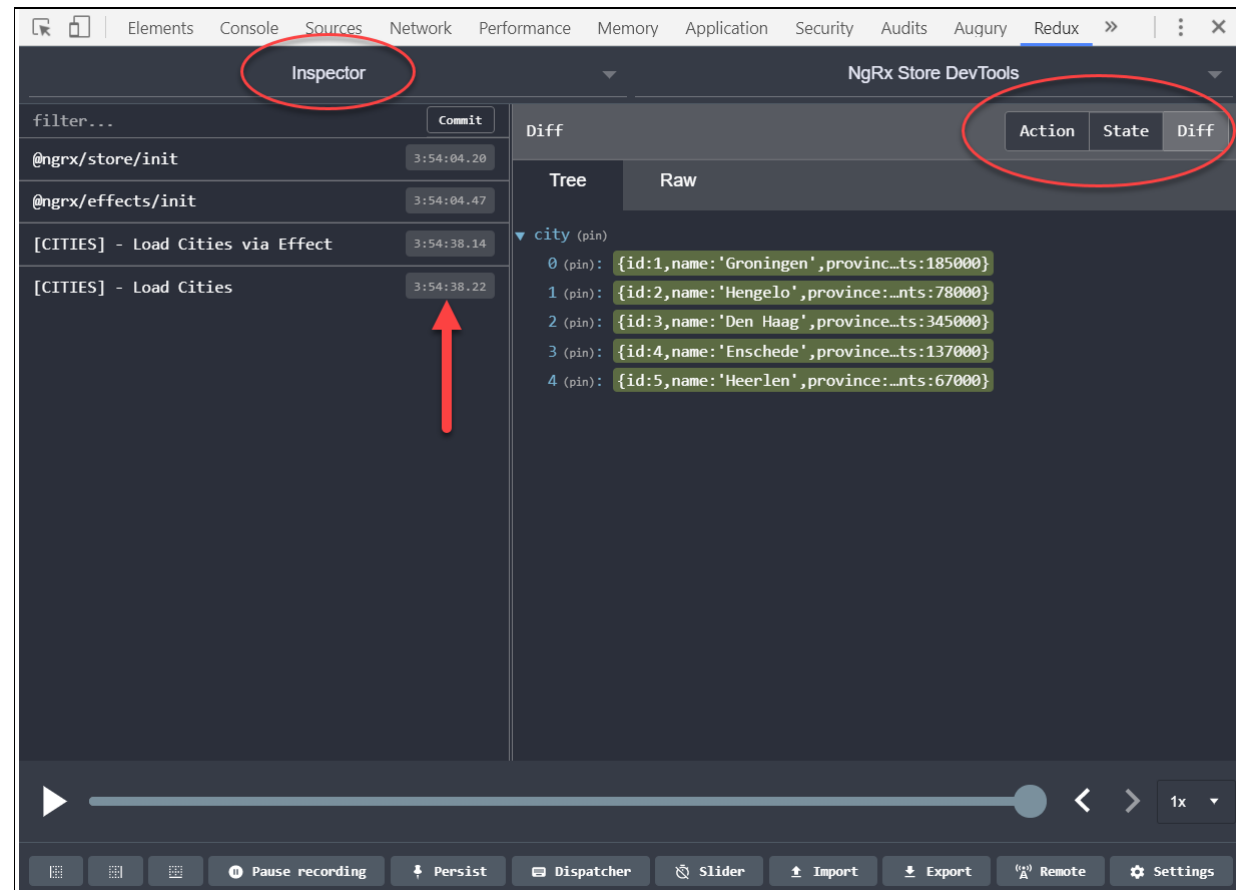
# Options

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



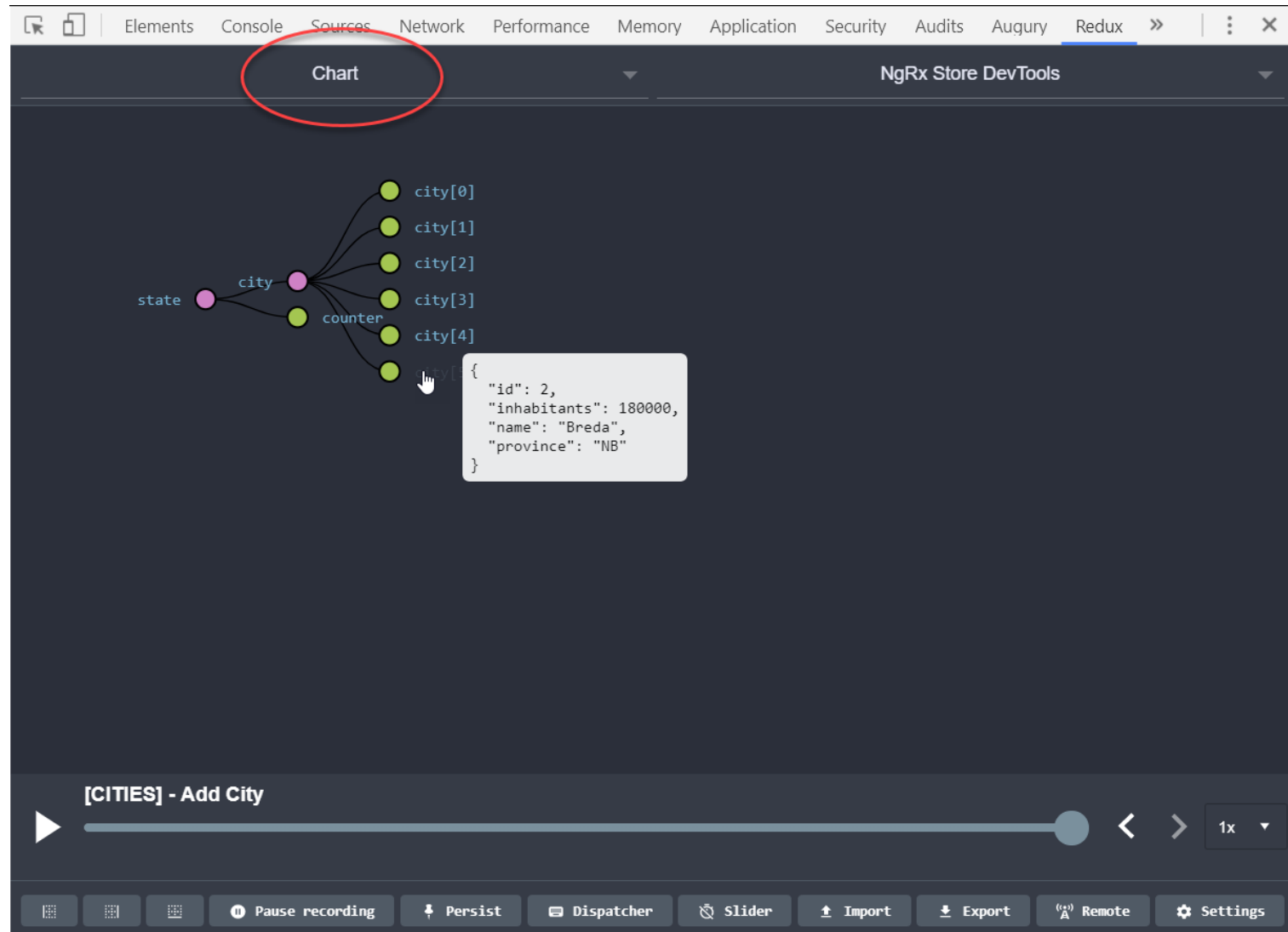
# Inspector

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



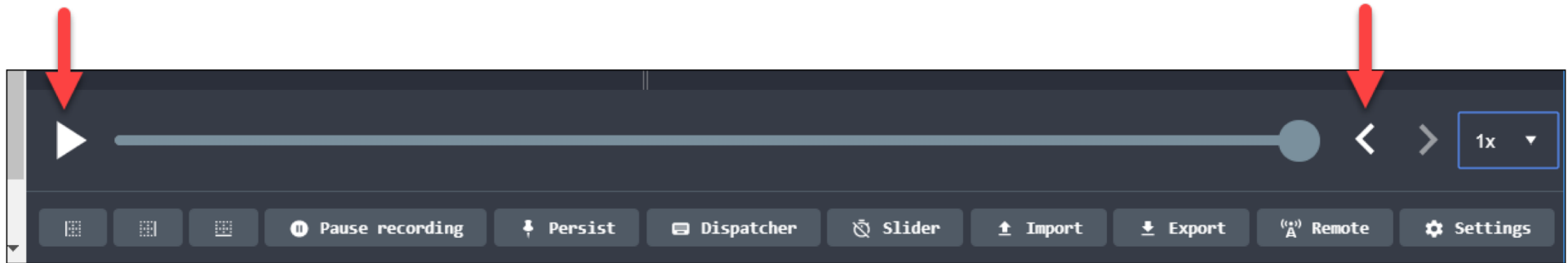
# Chart

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



# Slider

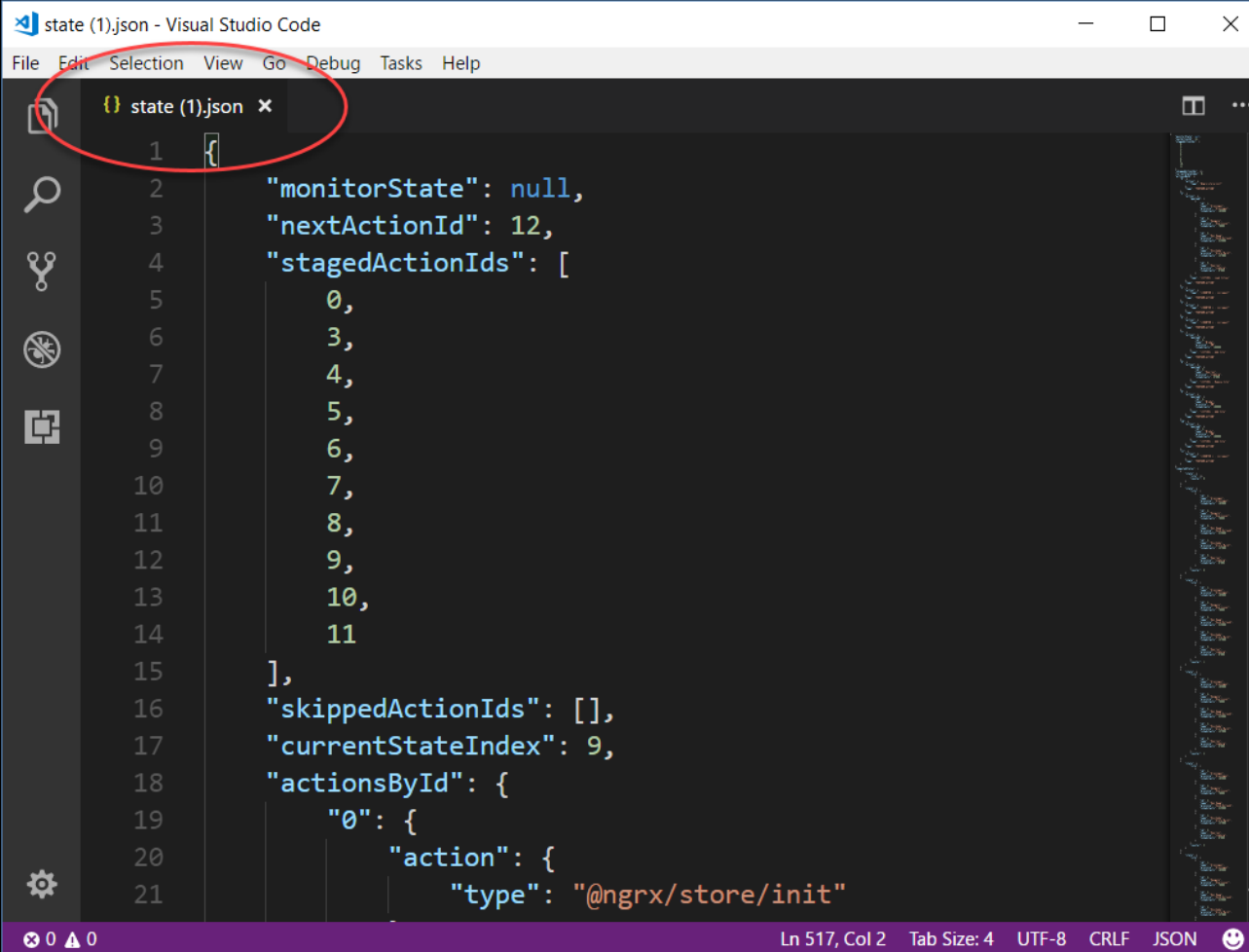
- (Re)play various actions and see changes in app and in state
- Jump to begin/end of timeline





# 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 contains a JSON object representing state data. A red circle highlights the file name in the tab bar at the top. 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"}
```



# Installation

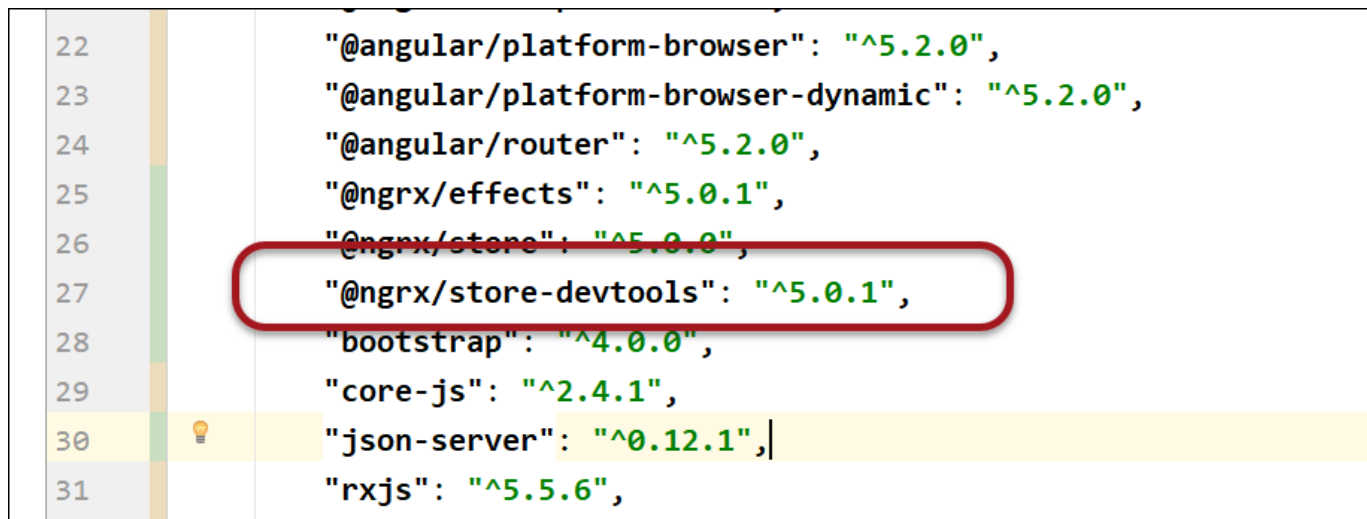
Install in Google Chrome *and* in project

# Installation in Project

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

OR:

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



# Installation in app.module.ts

```
// app.module.ts
```

```
import {StoreDevtoolsModule} from '@ngrx/store-devtools';
```

```
@NgModule({
```

```
  ...  
  imports      : [  
    ...
```

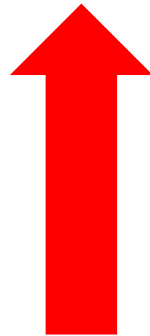
```
    StoreDevtoolsModule.instrument({  
      maxAge: 10}) // Redux Devtools debugging in Chrome
```

```
  ],
```

```
})
```

```
export class AppModule {
```

```
}
```



# Install Redux DevTools

- Add from `chrome://extensions`

The screenshot shows the Redux DevTools extension page in the Chrome Web Store. The extension is titled "Redux DevTools" and is offered by "remotedev.io". It has a 5-star rating from 334 reviews and 351,955 users. The page includes tabs for "OVERZICHT", "RECENSIES", "ONDERSTEUNING", and "GERELATEERD". A large image displays the Redux DevTools interface, which includes a "Log monitor", "Autoselect instances", and a "Diff" view. The interface is shown in a dark theme. To the right of the image, there is a section titled "Compatibel met je apparaat" (Compatible with your device) and a description of the extension's purpose: "Redux DevTools for debugging application's state changes." It mentions that the extension provides power-ups for the Redux development workflow and can be used with any other architecture that handles state. It also notes that it is an open-source project and provides a link to the official repository: <https://github.com/zalmoxisus/redux-devtools-extension>. Below this, there are links for "Website" and "Misbruik melden" (Report abuse). The "Aanvullende informatie" (Additional information) section lists the version as 2.15.1, the last update as 7 mei 2017, the size as 1.54MIB, and the language as English. A green button labeled "TOEGEVOEGD AAN CHROME" (Added to Chrome) is visible in the top right corner of the extension card.

Redux DevTools  
aangeboden door [remotedev.io](https://remotedev.io)  
★★★★★ (334) | [Ontwikkelaarstoets](#) | 351.955 gebruikers

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.

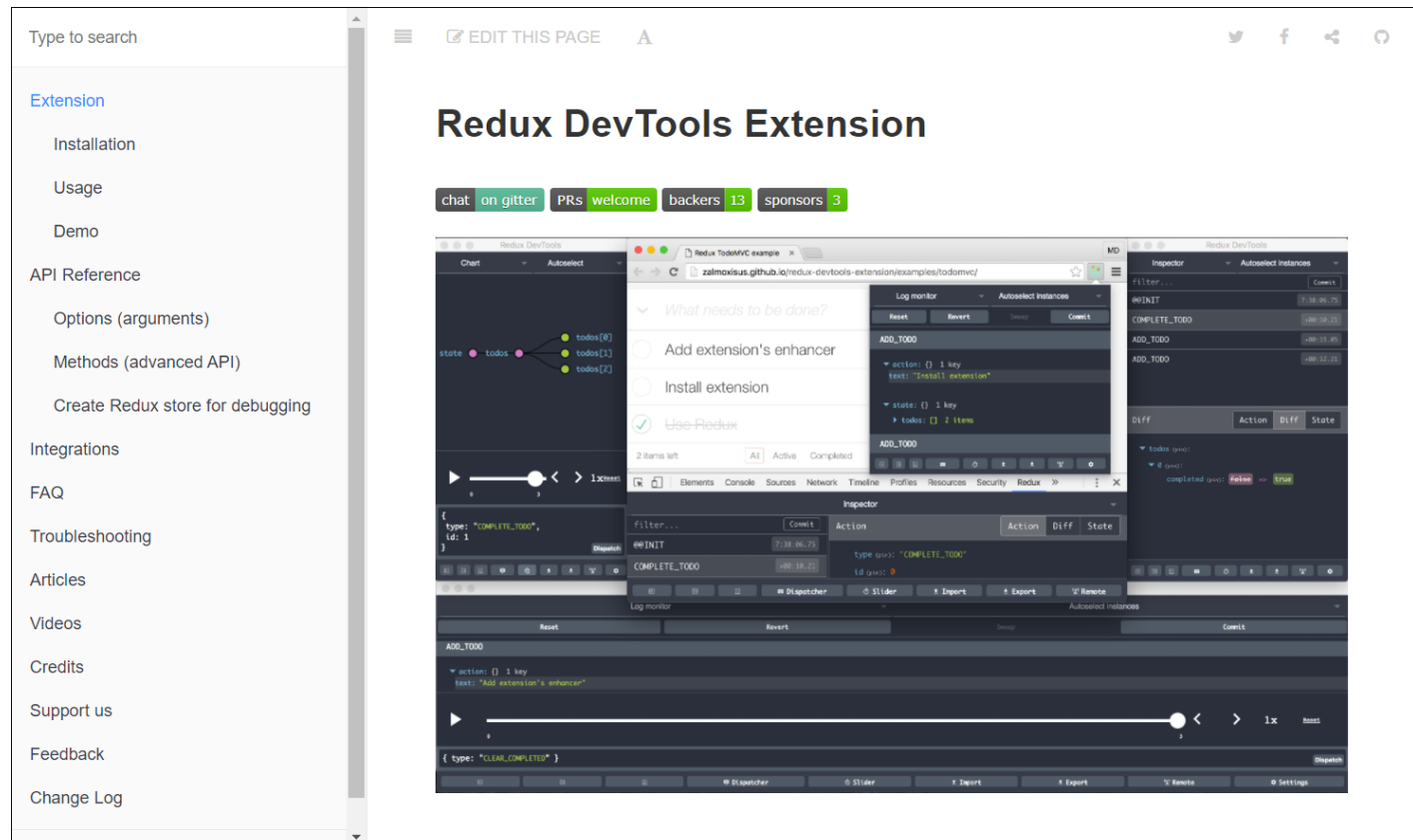
It's an opensource project. See the official repository for more details:  
<https://github.com/zalmoxisus/redux-devtools-extension>

[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

