

# Redux

## 1 상태관리 라이브러리

# Redux

(<https://react-redux.js.org/>)

# Flux

(<https://reactjs.org/blog/2014/05/06/flux.html>)

영상 12:25초

## Getting Started

(<https://react-redux.js.org/introduction/getting-started>)

provider / store

useDispatch / dispatch

useSelector

이것들을 알게되면 쓸 수 있게 되리...

## Why Use React Redux?

(<https://react-redux.js.org/introduction/why-use-react-redux>)

Official for React

Performance Optimizations

Community Support

## Tutorials

(<https://react-redux.js.org/tutorials/quick-start>) 이걸 다음 시간에

## Redux Essentials

(<https://redux.js.org/tutorials/essentials/part-1-overview-concepts>)

- One way data flow
  - multiple components issue
  - Lifting state up
  - Extract shared state from the component tree
- Immutable
  - object / array
  - ... spread

- Terminology
  - action { type, payload }
  - reducer (state, action) => newState
  - store (state lives) created by passing reducer
  - dispatch only way to update state(pass in an action object)
  - selectors extract specific pieces of information from a store state



- Initial setup
  - store created by using reducer function
  - store calls root reducer once save initial state
  - UI first rendered
- Updates
  - Something happens / dispatch action
  - store run reducer with prev state & current action save new state
  - notifies all parts store has been updated / Each UI check update
  - need to changed UI re-render

## 비주얼

(<https://redux.js.org/tutorials/essentials/part-1-overview-concepts>)

## 정리

### Redux

전역 상태 관리

vs 지역 상태 관리

단 방향 데이터(상태) 흐름

Flux

구성 요소

Store / Reducer / Action / Selector