

Redux Toolkit

- Easy to configure redux store.
- Less boilerplate code.
- It will use redux thunk by default.

Redux + Plain JS template

- `npx create-react-app my-app --template redux`

Redux + TypeScript template

- `npx create-react-app my-app --template redux-typescript`

Required NPM List:

1. `@reduxjs/toolkit`
2. `react-redux`

Required Extension:

1. `redux-devtools-extension`

Functions:

1. `configureStore()`:

- **devTools**: bool value,
- **preloadedState**: object value,
- **reducer**: list of reducers,
- **middleware**: pass middleware by default redux-thunk will used.
- **enhancers**:

2. `createAction()`:

- Manage the actions.

3. `createReducer()`:

- **addCase**: (action Type, function) params.

4. `createAsyncThunk()`: It will use for the async task like API calling. It always return promise.

5. `createSlice()`:

- **name**: Any name random name(there are no rules for the name).
- **initialState**: Initial state value.

- **reducers:** It is recommend to when we want to update state value, that state is not calling the any API or any async task.
- **extraReducer:** It is recommend to when we want to update state value, that state is calling any API or any async task. We can use 3 different case in builder.
 1. Pending
 2. Fulfilled
 3. Rejected