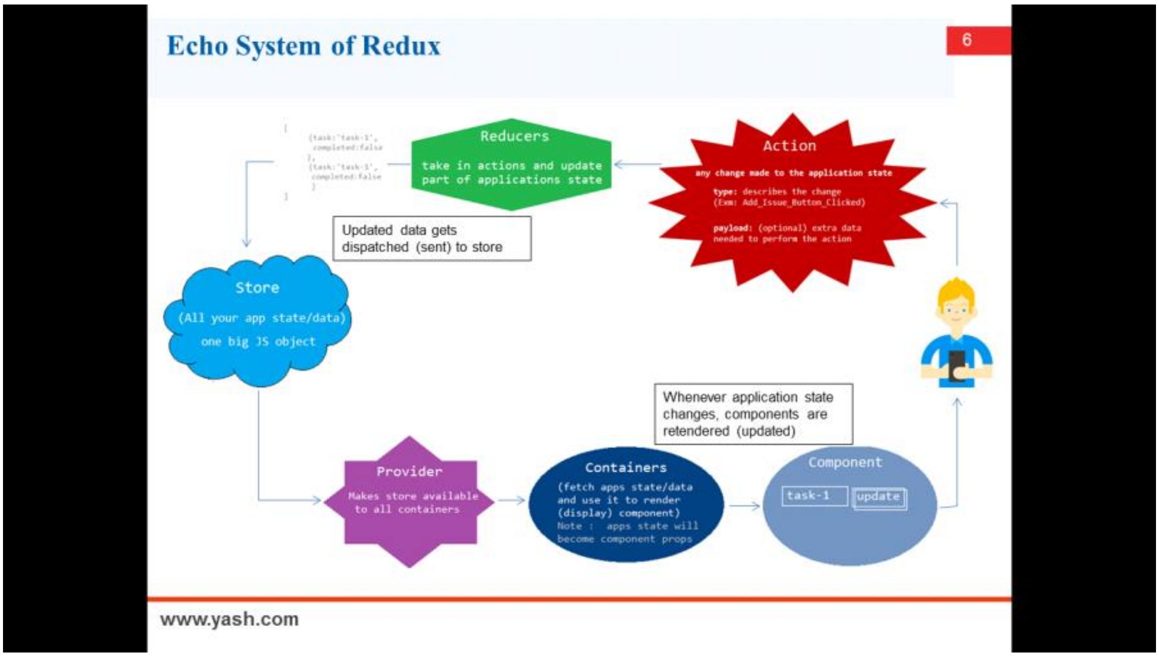
# Provider

29 August 2017
00:46

Now we have store and reducer has provided the data in the store. As a flow we can not provide the data from store to component, we need provider to provide the data to container and containers will make data available on component.



Echo System of Redux

6

{task:'task-1', completed:false }, {task:'task-1', completed:false }

Reducers

take in actions and update part of applications state

Action

any change made to the application state

type: describes the change (Exm: Add_Issue_Button_Clicked)

payload: (optional) extra data needed to perform the action

Updated data gets dispatched (sent) to store

Store

(All your app state/data)

one big JS object

Whenever application state changes, components are retendered (updated)

Provider

Makes store available to all containers

Containers

(fetch apps state/data and use it to render (display) component)
Note : apps state will become component props

Component

task-1 update

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- Create components directory in src.
- Create app.js file
- Write below code.

```
import React from 'react';
const App = () =>(
<div>
<h1>React-Redux App</h1>
<hr/>
<h2>User List</h2>
<hr/>
<h2>User Detail</h2>
</div>
);
export default App;
```

Make appropriate changes in src/index.js file

```
import React from 'react';
import ReactDOM from 'react-dom';
import { createStore } from 'redux';
import allReducers from './reducers';
import App from './components/app'
const store=createStore(allReducers);
ReactDOM.render(<App/>,document.getElementById('root'));
```

Check your browser, your must get App component data.

Add the Provider in your application so that it will make store available to parent component and from parent component data will be available to all components.

```
import { Provider } from 'react-redux'
```

Put the <App/> component calling inside <Provider></Provider> and pass store as props to <Provider>.

```
ReactDOM.render(
<Provider store={store}>
<App/>
</Provider>
,document.getElementById('root'));
```

Check complete code :

```
import React from 'react';
import ReactDOM from 'react-dom';
import { createStore } from 'redux';
import allReducers from './reducers';
import App from './components/app'
import { Provider } from 'react-redux'
const store=createStore(allReducers);
ReactDOM.render(
<Provider store={store}>
<App/>
</Provider>
,document.getElementById('root'));
```