Skills
Network

Binding Redux and Flow

IBM

What you will learn

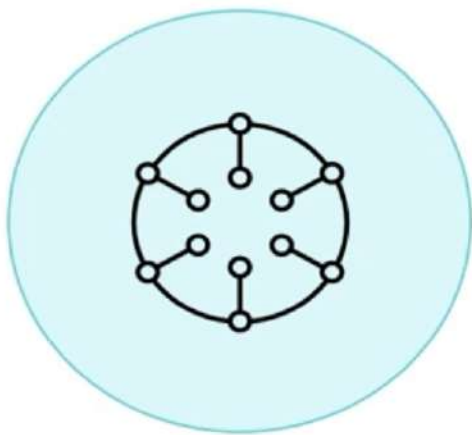|		
Explain the concept of state change	Describe data flow in Redux	List the advantages of one-way data flow in Redux

Skills Network

IBM

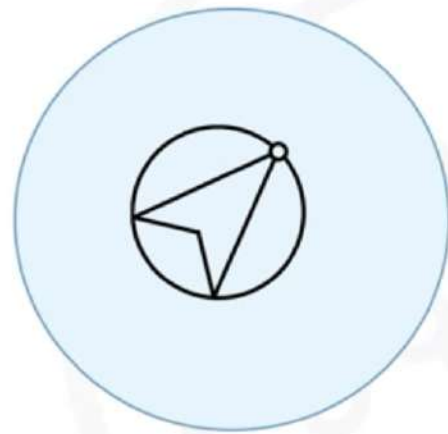# State change in React

State change:
- Triggers the re-rendering of DOM in React
- Involves transfer of data and long chain of props
- Requires state management done by Redux
- Managed in React Redux using a single Store and Reducers
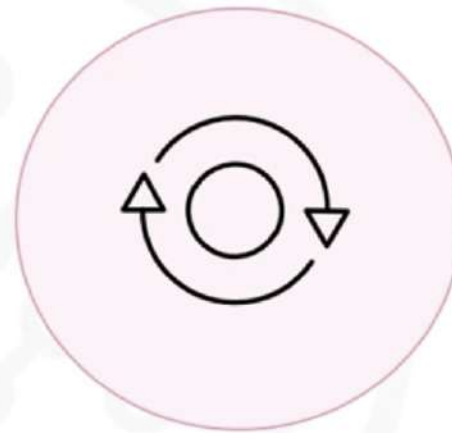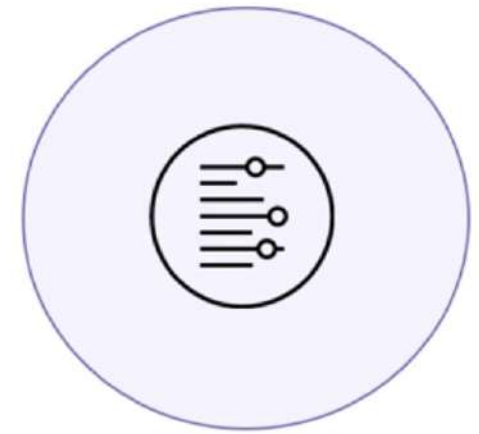- Is easier in Redux
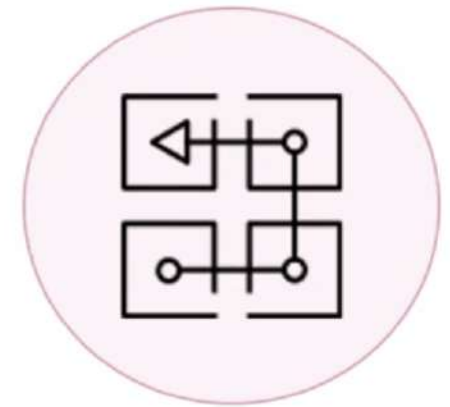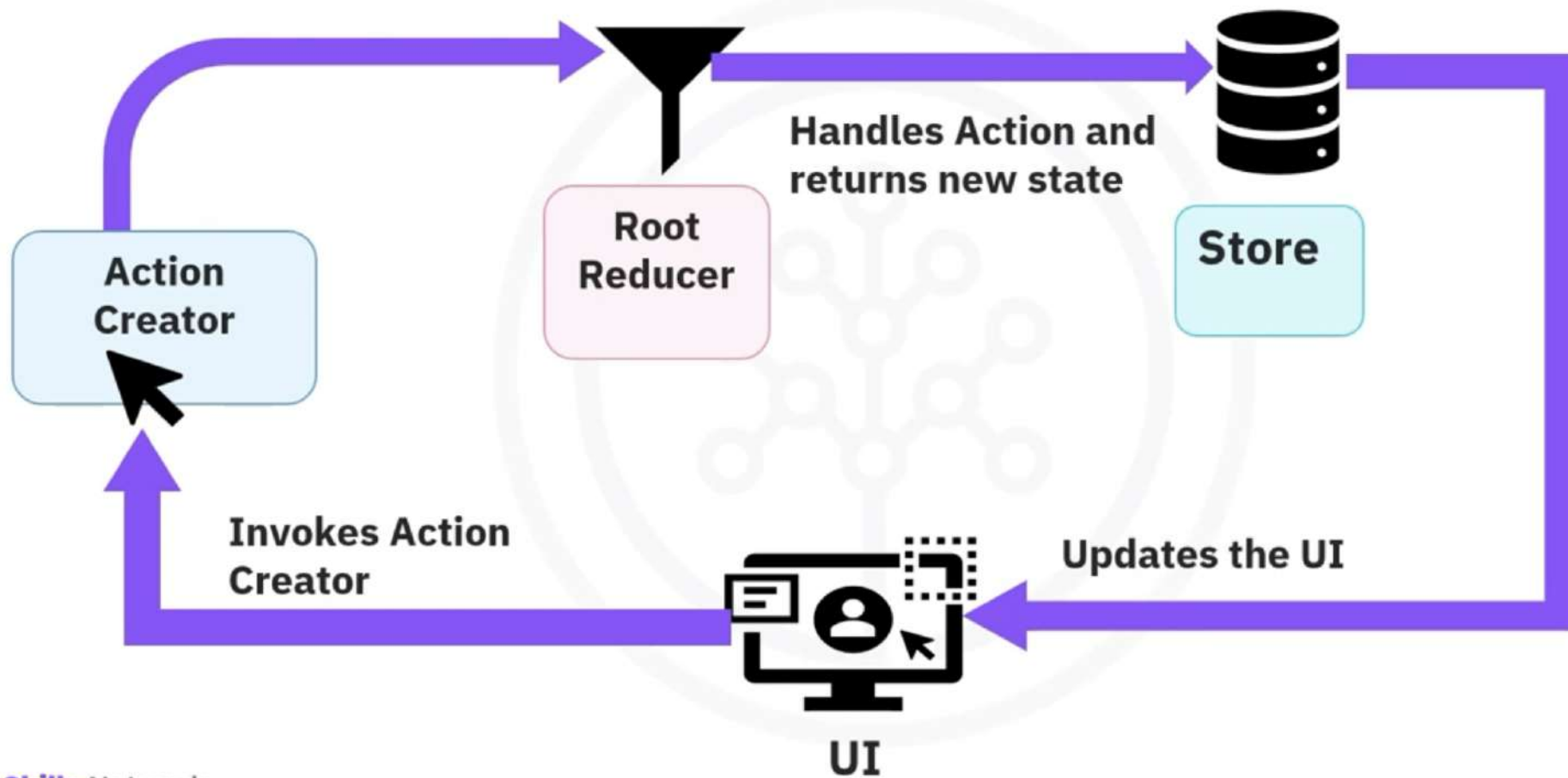
Redux building blocks

Central Store   Actions   Reducer   Subscription

Data flow

Handles Action and returns new state

Root Reducer

Store

Action Creator

Invokes Action Creator

Updates the UI

UI

Why one way data flow?

Two-way binding was used to change state data
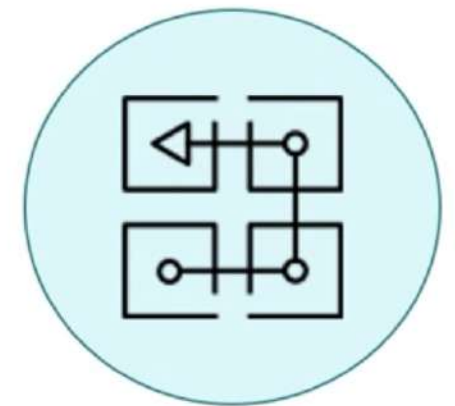
Adverse affects on browser performance

Solution: One-way flow with components and containers

Advantages of data flow in Redux

Easier to manage state when actions on UI and update of state are separate

Enable reuse of the containers, actions, and reducers in React Native

Recap

In this video, you learned that:

- When the state of a component changes, React responds by triggering the re-rendering of the DOM.

- The Redux elements that are involved in updating of the component properties are: Central Store, Actions, Reducer, and Subscription.

- The data flow in a React-Redux application is unidirectional.

- It is easier to manage the state when actions performed on the UI are separated from the changing of the state.