Flux

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Flux

- open sourced by Facebook
- not a library, a technique like MVC
- suitable for bigger applications

When is Flux a good idea?

- ► Too deep level in React hiearchy
- Need to pass props to the bottom too much
- ► Two components not having a single parent, but want to sync state

Stores

- Enclose the domain logic
- Act as event emitters
- Emits a change event whenever it changes
- ▶ Simple version, not Flux: No actions
- React component intercepts the events, forwards them to store
- React component subscribe to store events
- React component syncs its state with store

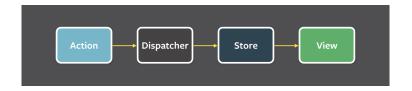
Actions

- ► As apps get big, react component should not call store directly
- Instead a level of indirection
- ▶ React components intercept events
- Forward them to dispatcher as events

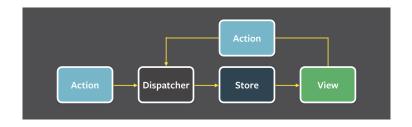
Dispatcher

- Dispatcher broadcasts events to all stores
- ▶ Stores decide which events they are interested in
- ▶ They decide accordingly and emit a change event
- React components sync accordingly

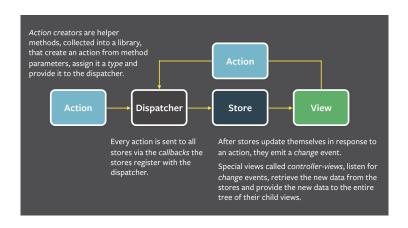
Flux Architecture (1/3)



Flux Architecture (2/3)



Flux Architecture (3/3)



Detail

► Demo