



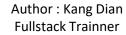








Redux















Roadmap

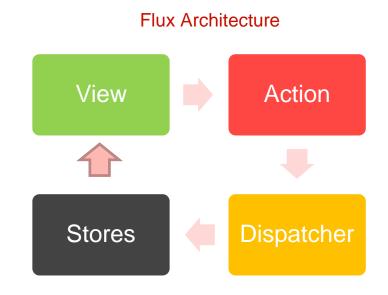


- Local State vs Redux
- Reducer
- Basic Redux
- Redux & React
- Structure Project Redux
- Redux Saga

Redux

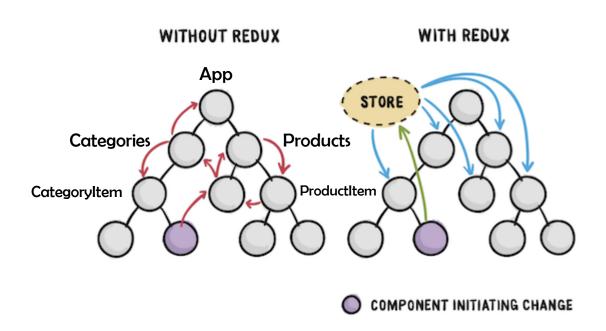


- Redux akronim dari Reducer dan Flux.
- Redux implementasi dari flux yaitu architecture pattern untuk menghandle state management secara one way data binding.
- Redux digunakan agar state container bisa predictable.











Local State vs Redux

Local State

```
export default function Category() {
    const [categories, setCategories] = useState([]);
    let [isOpen, setIsOpen] = useState(false);
    let [isEditOpen, setIsEditOpen] = useState(false);
    let [isRefresh, setIsRefresh] = useState(false);
    const[action,setAction] = useState({
       id : undefined.
        actionType : undefined
    useEffect(() => {
        fetchData();
    }, [])
   useEffect(() => {
        // if values isRefresh true, then fetchdata wi
        fetchData();
        setIsRefresh(false);
    }, [isRefresh]);
    async function fetchData() {
        const response = await apiCategory.list();
        setCategories(response);
```

Redux

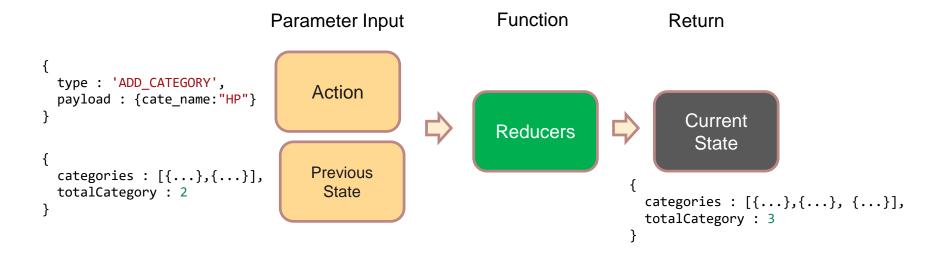
Local state

```
function Category(props) {
    const [isRefresh, setIsRefesh] = useState(false);
   let [isOpen, setIsOpen] = useState(false);
   let [isEditOpen, setIsEditOpen] = useState(false);
   const [action, setAction] = useState({
        id: undefined,
        actionType: "edit"
   });
   useEffect(() => {
        fetchData();
    }, []);
   useEffect(() => {
        fetchData();
        setIsRefesh(false);
    }, [isRefresh]);
   async function fetchData() {
        // You can await here
        const payload = {}
        props.getCategories(payload);
const mapStateToProps = state => ({
    categories: state.categoryState.categories,
    succeed: state.categoryState.succeed,
    status: state.categoryState.status,
1):
const mapDispatchToProps = (dispatch) => ({
    getCategories: payload => dispatch(doCategoryStarted(payload)),
    deleteCategory: payload => dispatch(doDeleteCategoryRequest(payload)),
});
export default connect(
    mapStateToProps,
    mapDispatchToProps
)(Category);
```

Reducer

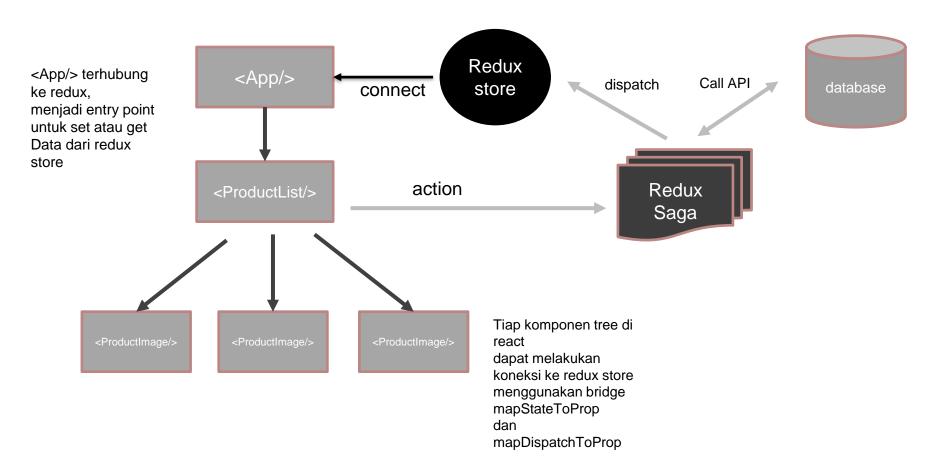


Reducer adalah function yang digunakan untuk meng-update state



React & Redux





Redux Saga Pattern



