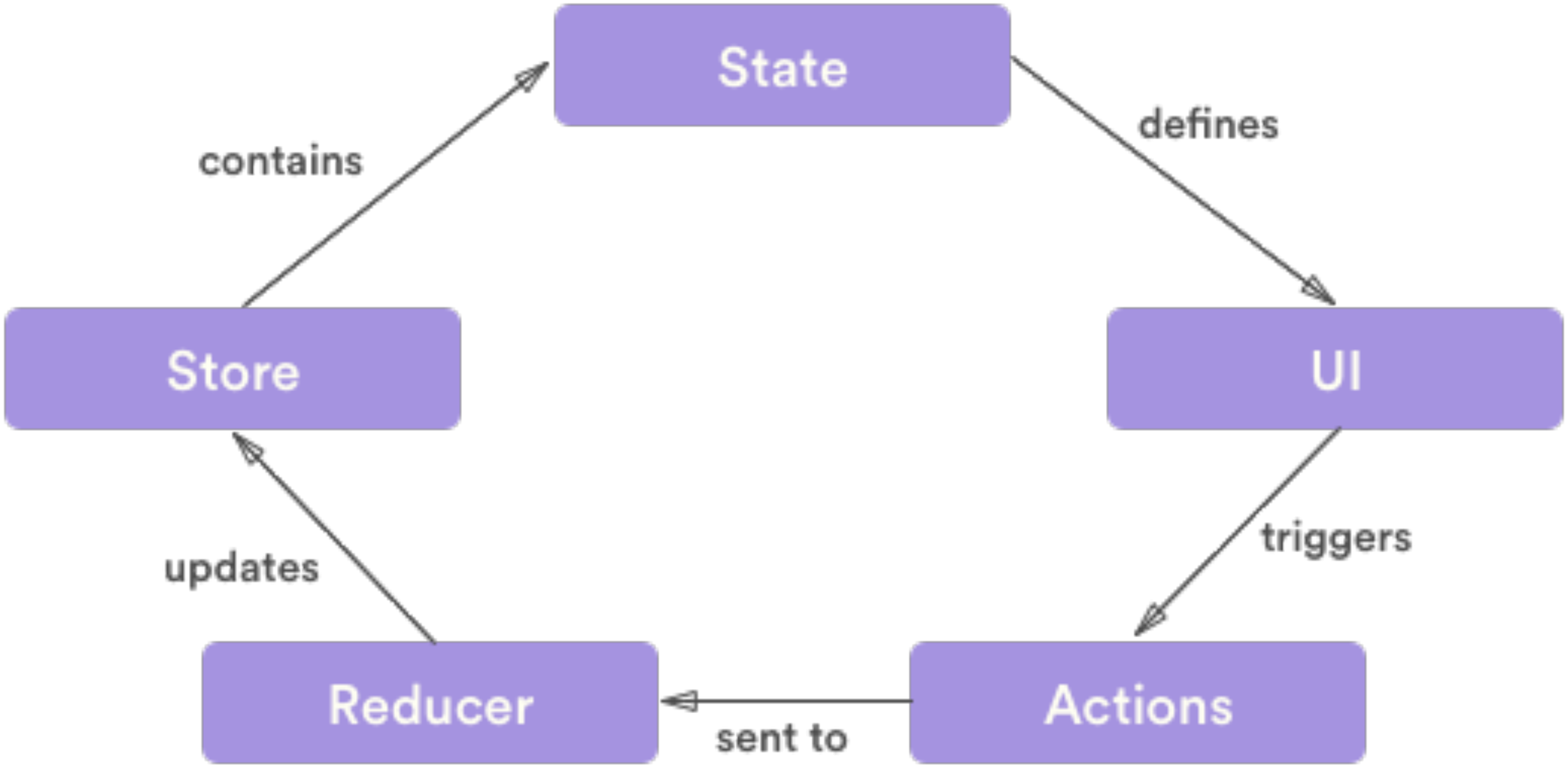
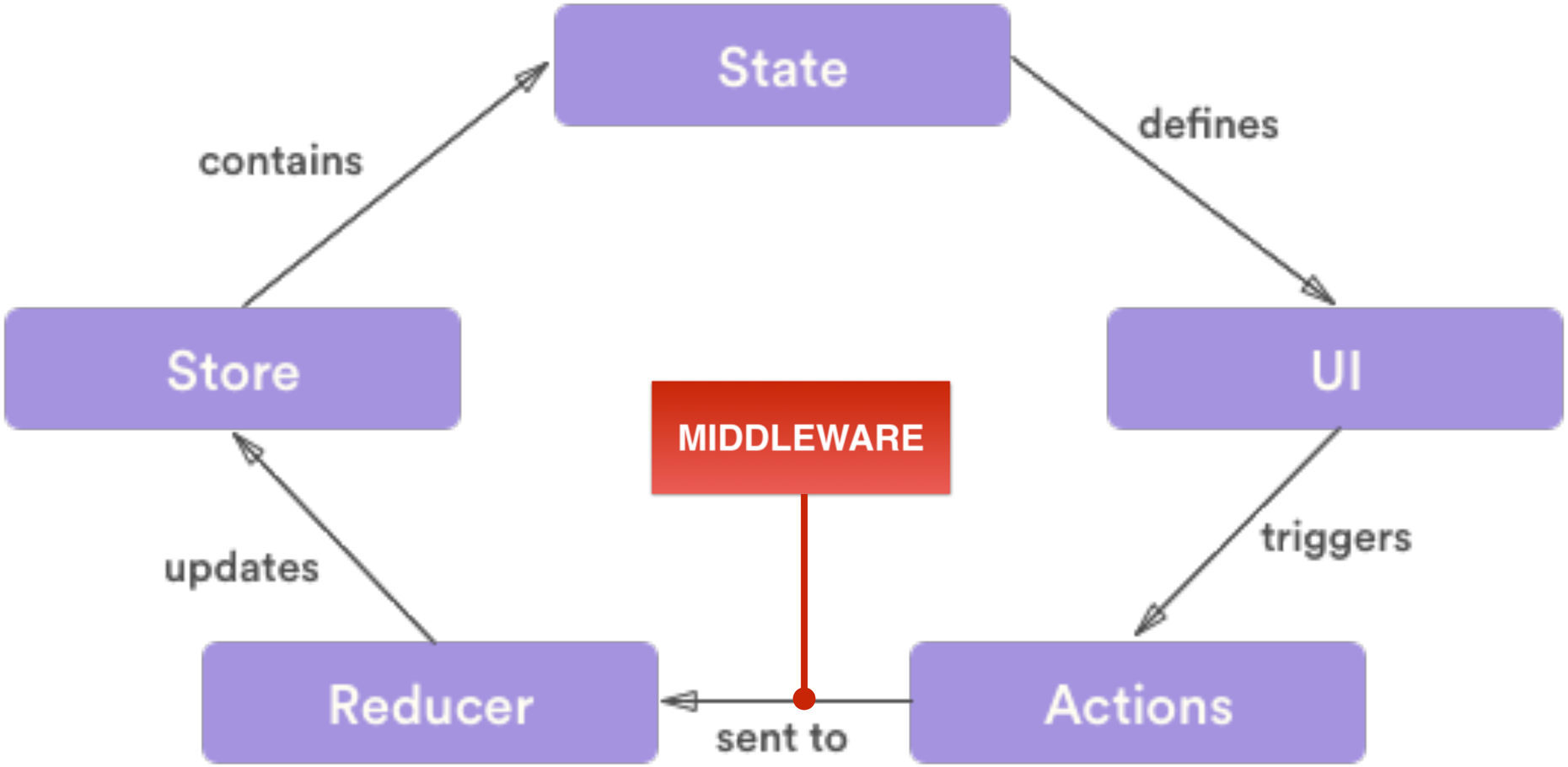
REDUX MIDDLEWARE

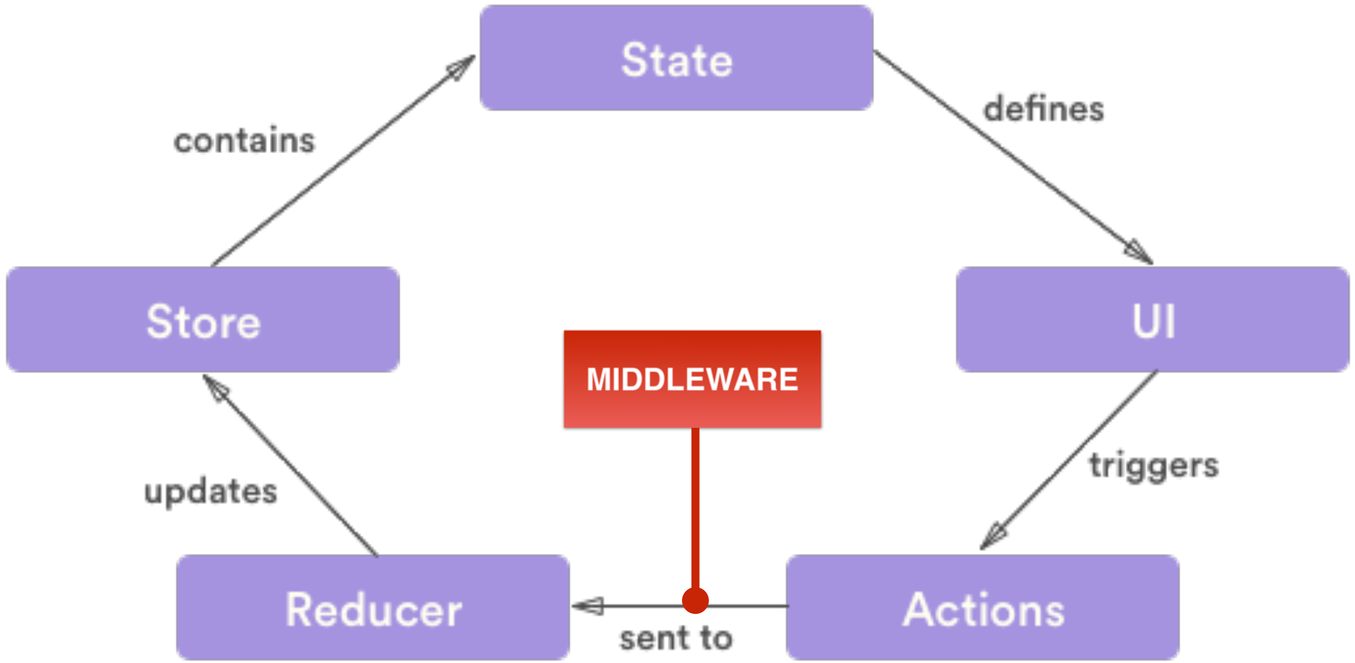
What is a middleware?

WHAT IS A MIDDLEWARE

- Provides an extension point.
- Middleware code runs between the action being dispatched and reaching the reducer
- Useful for logging, crash reporting, talking to an asynchronous API, routing, and more.


State
defines
UI
triggers
Actions
sent to
Reducer
updates
Store
contains

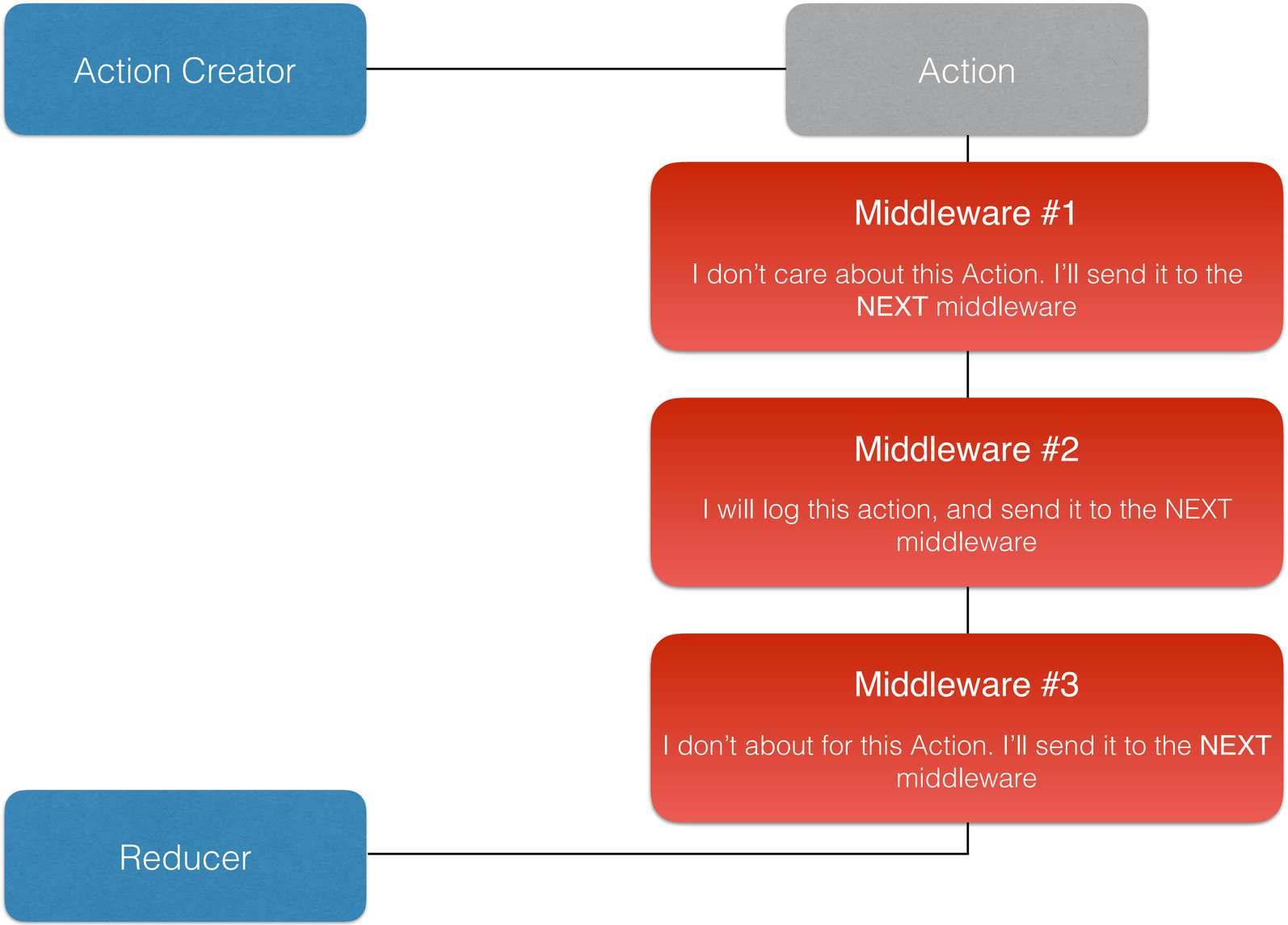

State
contains
defines
Store
UI
MIDDLEWARE
updates
triggers
Reducer
sent to
Actions



- **The Middleware receives the action and can do whatever it wants with it, including modifying or even stopping it.**

MIDDLEWARE BENEFITS

- Middlewares are composable
- Middlewares run independently


Action Creator
Action
Middleware #1
I don’t care about this Action. I’ll send it to the NEXT middleware
Middleware #2
I will log this action, and send it to the NEXT middleware
Middleware #3
I don’t about for this Action. I’ll send it to the NEXT middleware
Reducer

MIDDLEWARE FORMAT

- A middleware is a function that receives the store
- It MUST return a function with arg “next”, that itself:
- Must return a function with arg “action”

```
const someMiddleware = store => next => action => {
  // your code here
  return next(action);
}
```

APPLYING MIDDLEWARE

```
const store = createStore(reducer);
```

APPLYING MIDDLEWARE

```
const store = createStore(
  reducer,
  applyMiddleware(someMiddleware)
);
```