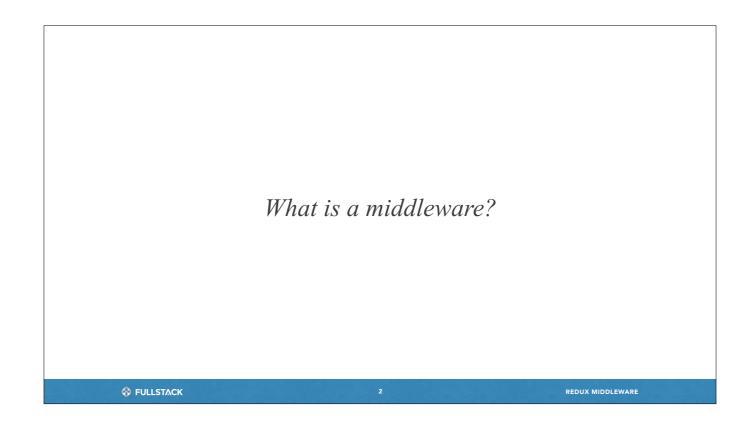
REDUX MIDDLEWARE

♦ FULLSTACK

REDUX MIDDLEWARE



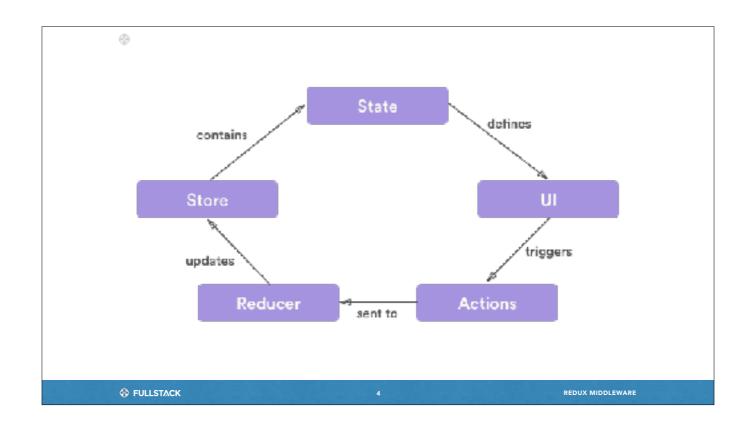
You've seen middleware in action in Express: code you can put between the framework receiving a request, and the framework generating a response. For example, Express middlewares may add logging, static file serving, compression, and more. Redux middleware solves different problems than Express middleware, but in a conceptually similar way

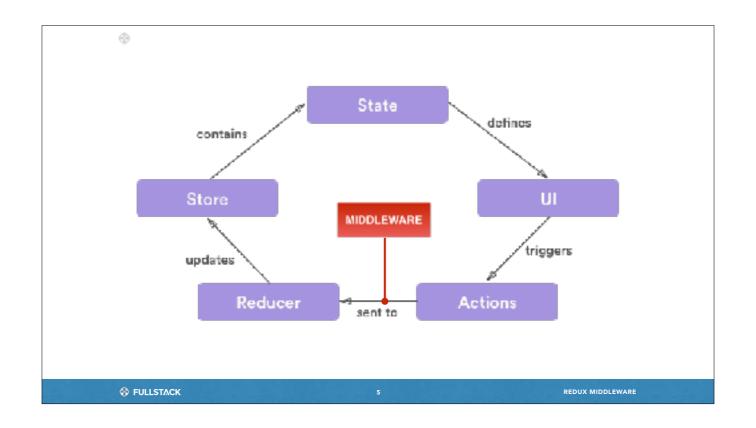
WHAT IS A MIDDLEWARE

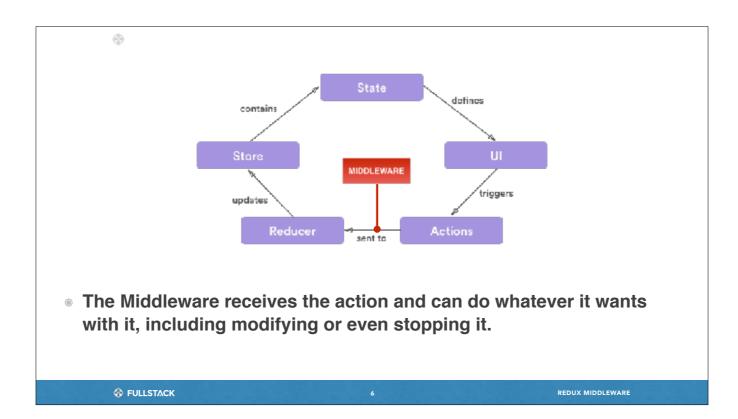
- Provides an extension point.
- Middleware code runs between the action being dispatched and reaching the reducer
- Useful for logging, crash reporting, talking to an asynchronous API, routing, and more.

♦ FULLSTACK
3 REDUX MIDDLEWARE

Middleware in redux provides a third-party extension point between dispatching an action, and the moment it reaches the reducer.



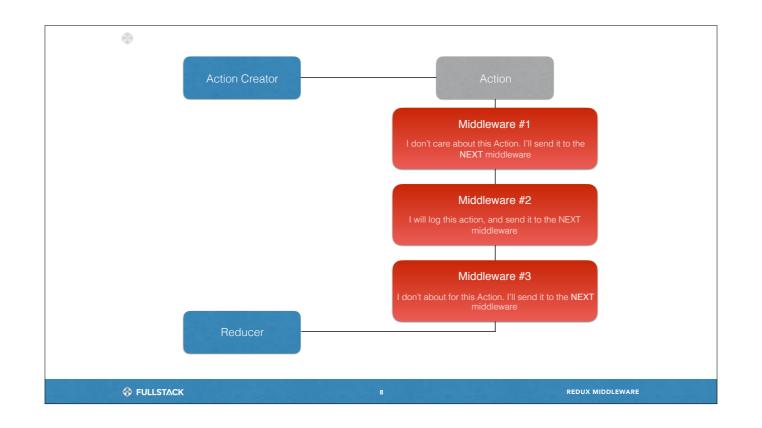




MIDDLEWARE BENEFITS

- Middlewares are composable
- Middlewares run independently

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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);
}
```

♦ FULLSTACK
9 REDUX MIDDLEWARE



APPLYING MIDDLEWARE

const store = createStore(reducer);

♦ FULLSTACK

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REDUX MIDDLEWARE

APPLYING MIDDLEWARE

(1)

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

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