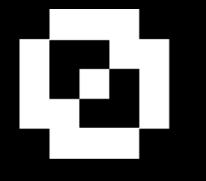
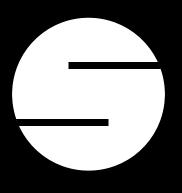
Type-Safe URL State in React with





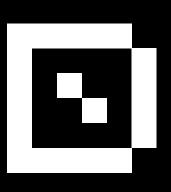


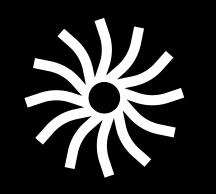


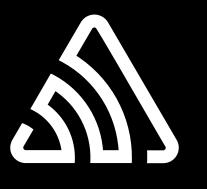




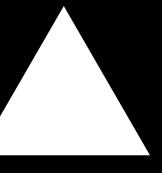








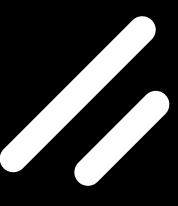








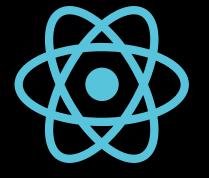






7n=U&C=S Jype-Safe Search Params State Manager For React

Make URL State Enjoyable













URL State 101

/events?q=React+Advanced&city=London

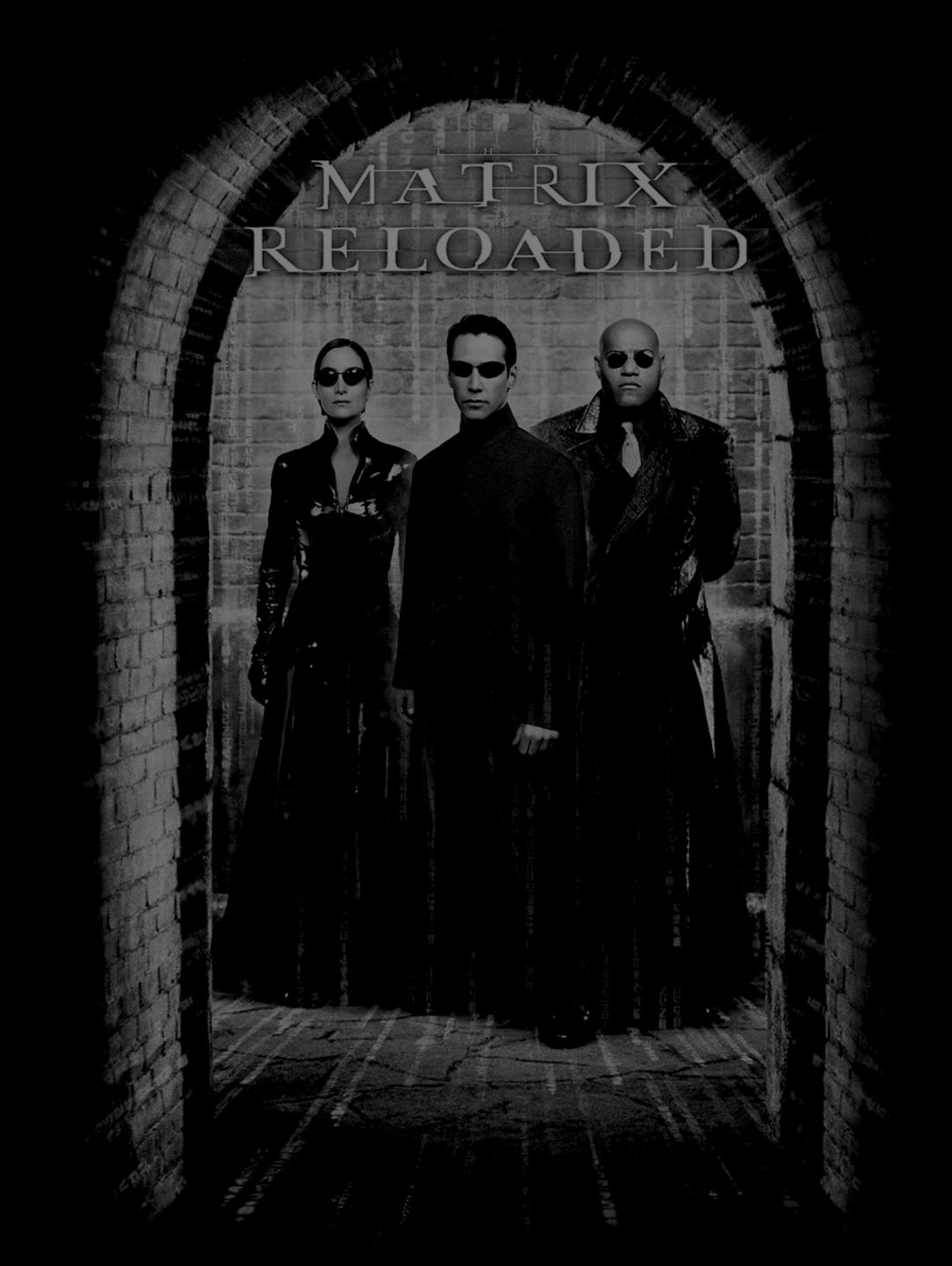
Search Params Query string

Why URL State?

Reload resilience

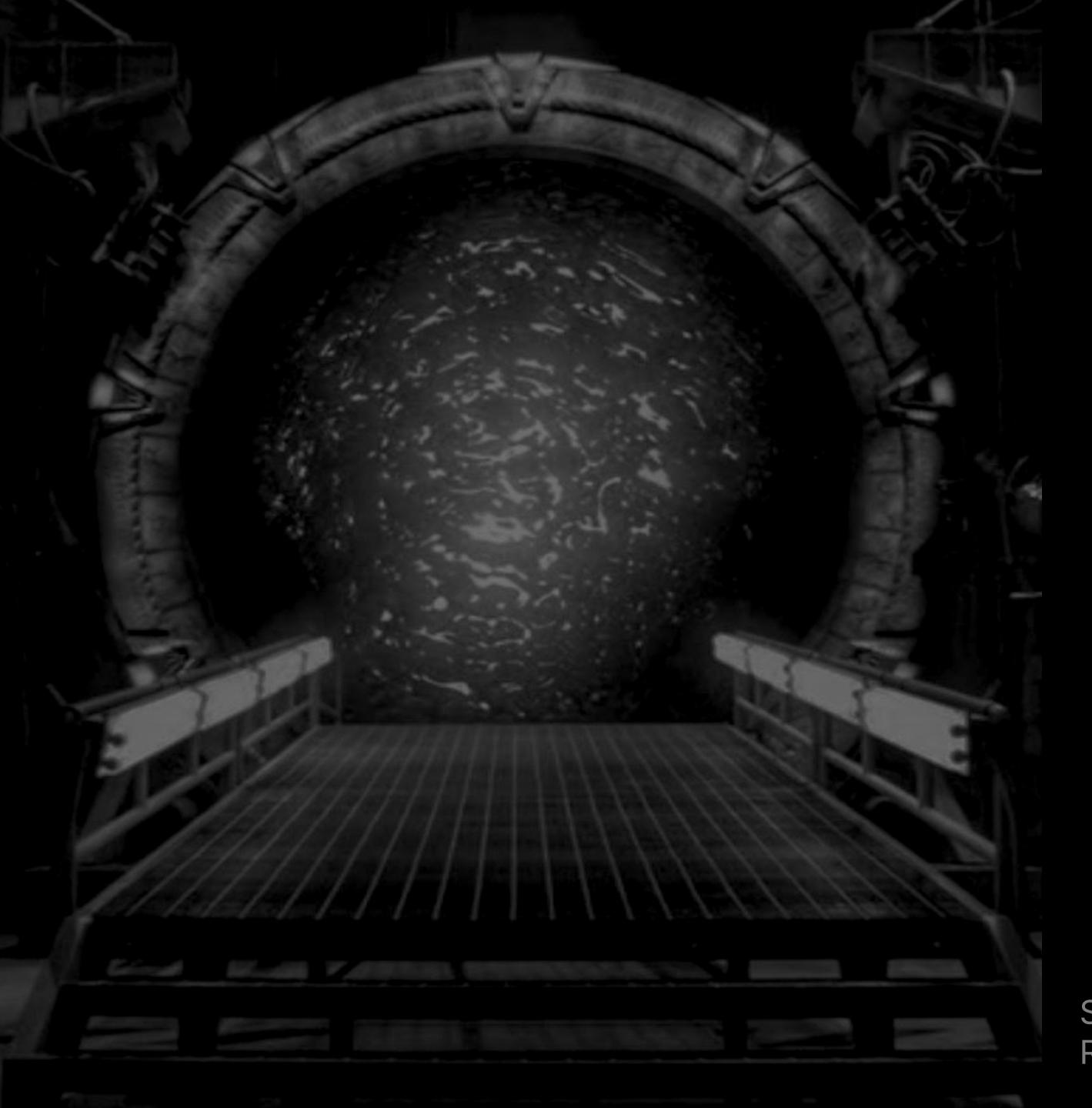
Side-effect

localStorage



The Matrix Reloaded, 2003
The Wachowskis

Superpowers



Teleportation

Sharing

Deep linking

Stargate, 1994 Roland Emmerich

Time Trave

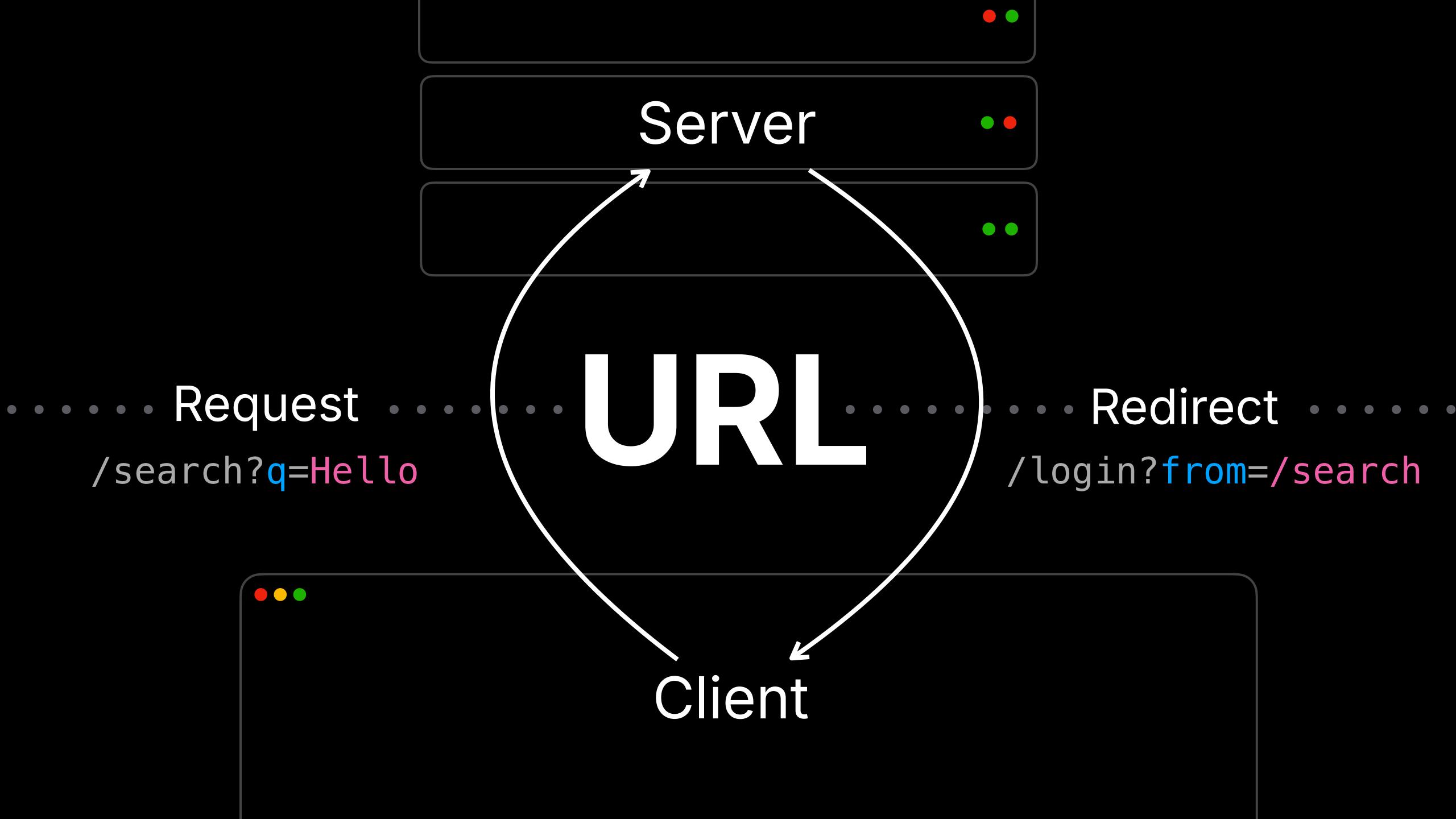
Bookmarking

History navigation

Back / Forward Undo / Redo



Back To The Future, 1985 Robert Zemeckis



Drawoacks

• Size limits

Server: 8 kB

Transport: 2-4 kB

Humans: Much less

https://example.com/path? tableState=%7B%22pagination%22%3A%7B%22pageIndex%22%3A1%2C%22pageSize%22%3A50%7D%2C%22filters%22%3A%5B%7B%22id%22%3A%22genre%22%2C%22value%22%3A%22fantasy%22%7D%5D%2C%22orderBy%22%3A%7B%22id%22%3A%22releaseYear%22%2C%22desc%22%3Afalse%7D%7D &search=The%20Lord%20of%20the%20Rings

https://example.com/path? filters=genre:fantasy&sort=releaseYear:asc&page=1 &size=50&search=The+Lord+of+the+Rings

The URL is the first Ul your users will see

• Size limits

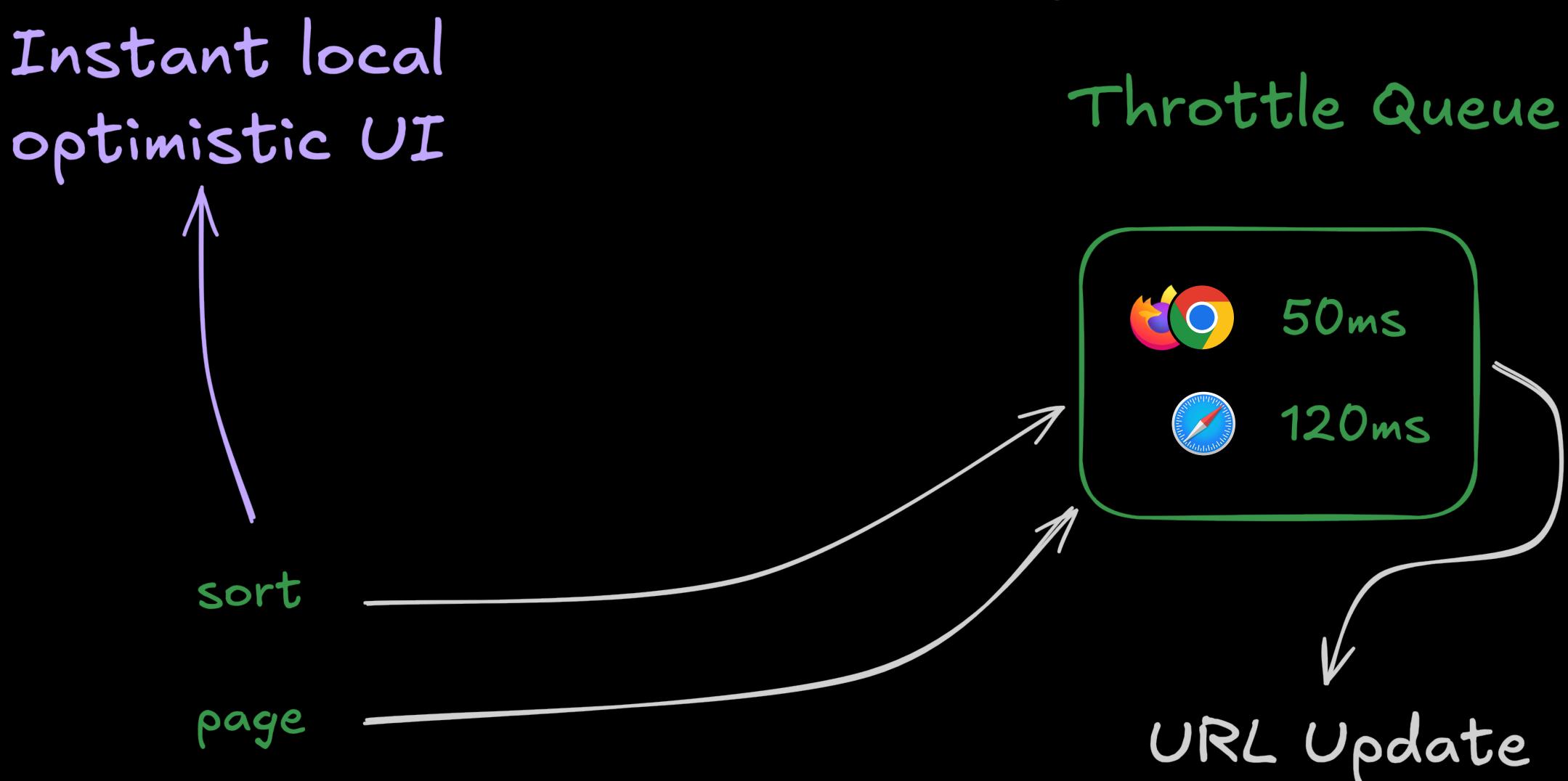
• Immutability & migrations

"Cool URIs don't change"

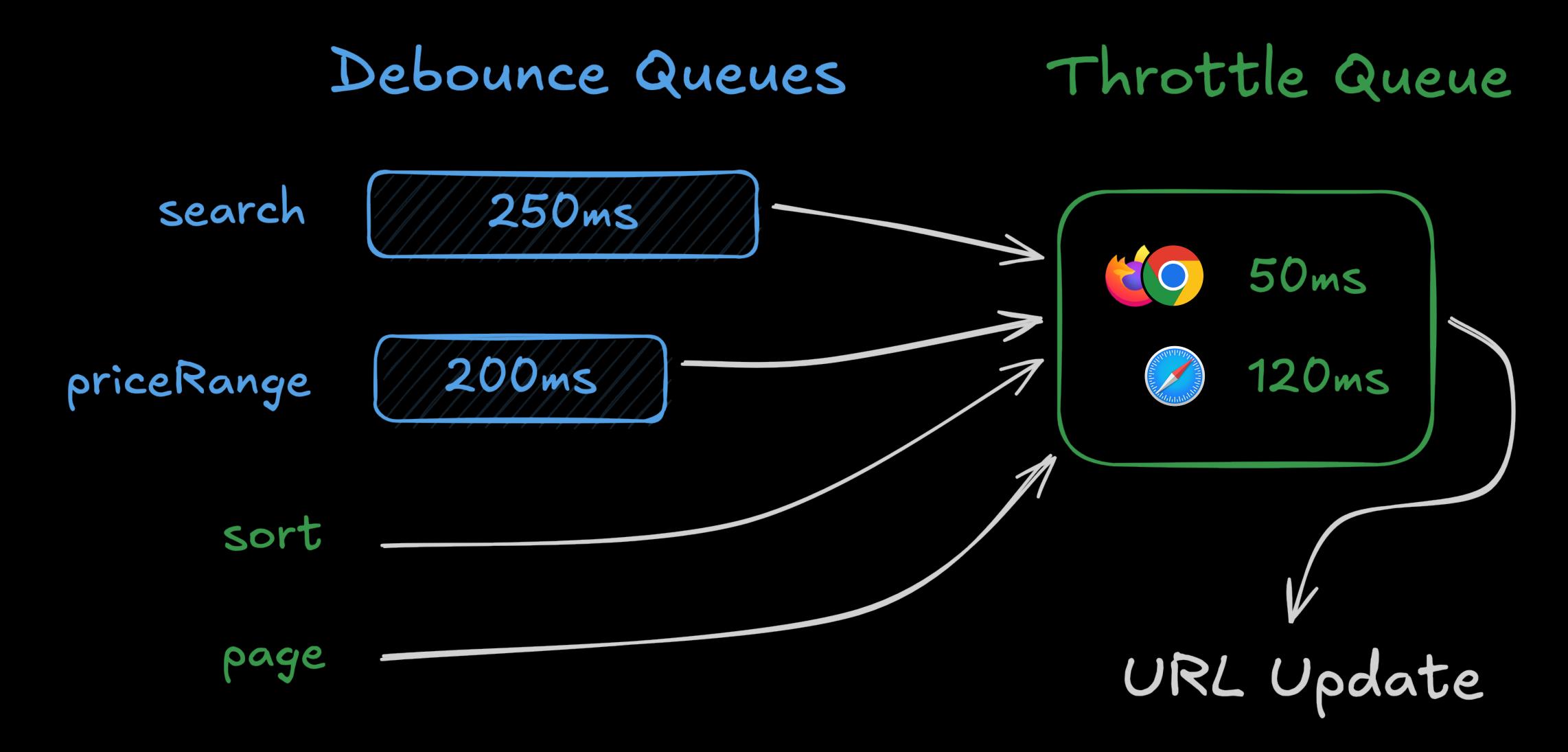
- Sir Tim Berners-Lee

- Size limits
- Immutability & migrations
- Rate Limits

Time Safety



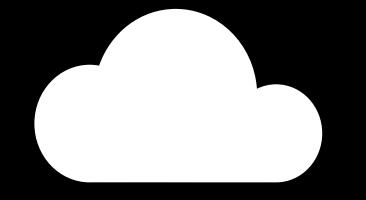
Time Safety



- Size limits
- Immutability & migrations
- Rate Limits
- Entrypoints /?modalOpen=true

- Size limits
- Immutability & migrations
- e Rate Limits
- Entrypoints
- SEO <link rel="canonical" href="...">

Two Ways to Update The URL



router replace



Declarative

Composition

Un-opinionated

ncremental

?n=u&c=s

Thank you!

nuqs.dev/react-advanced-25





