

Improving Performance with Server-side Rendering and Serverless Computing



Peter Kellner

DEVELOPER, CONSULTANT AND AUTHOR

@pkellner [linkedin.com/in/peterkellner99](https://www.linkedin.com/in/peterkellner99) ReactAtScale.com

Serverless Computing



All about GraphQL server and no interaction with client



Absolutely a server involved



Every request handled potentially by a different server



No server idle time

Server-side Rendering



All about GraphQL client and React



Web application running inside Node server



HTML rendered in Node server and downloaded as response

Coming up in This Module

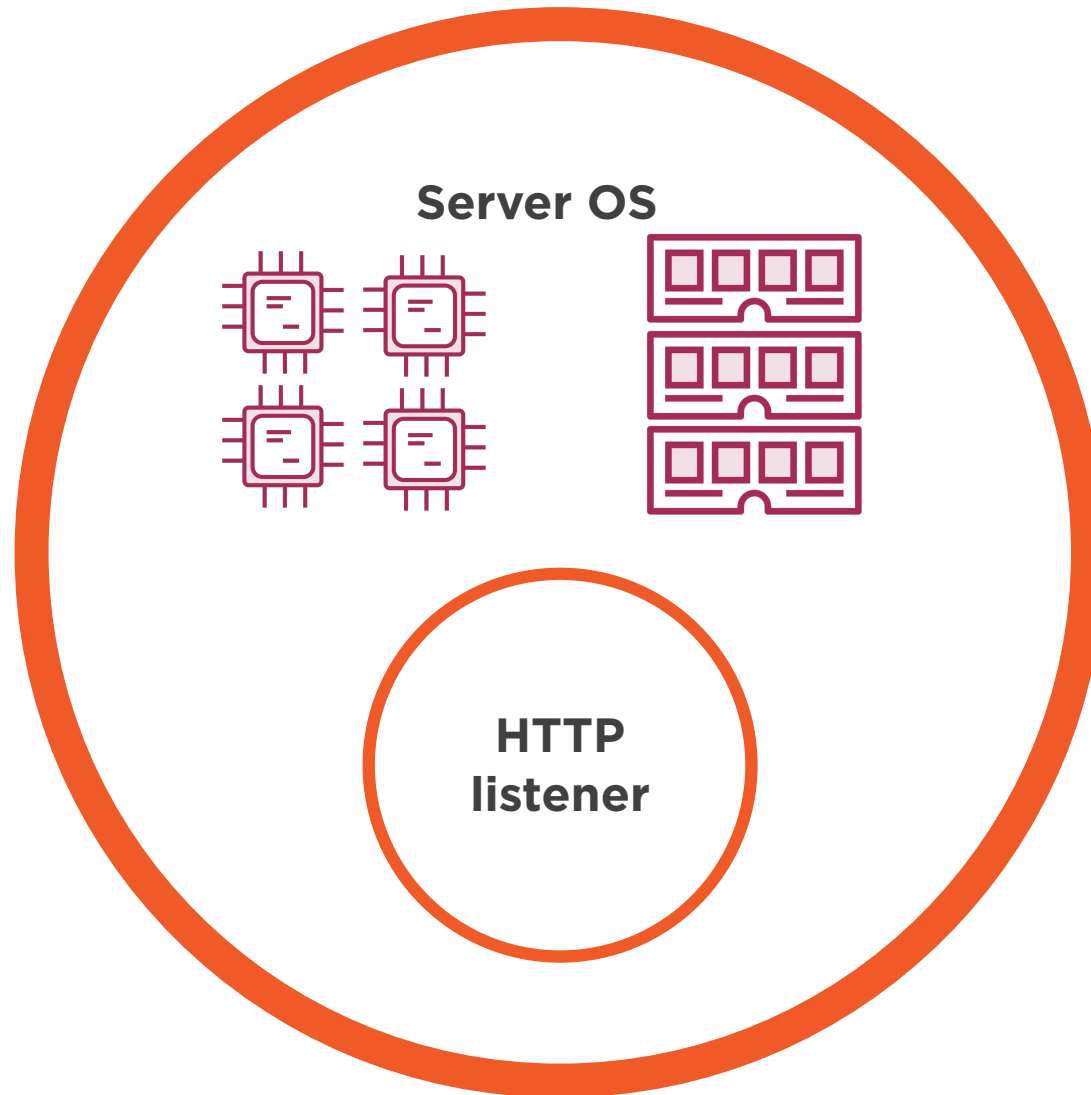
Serverless Computing

Learn pluses and minuses of
Serverless computing

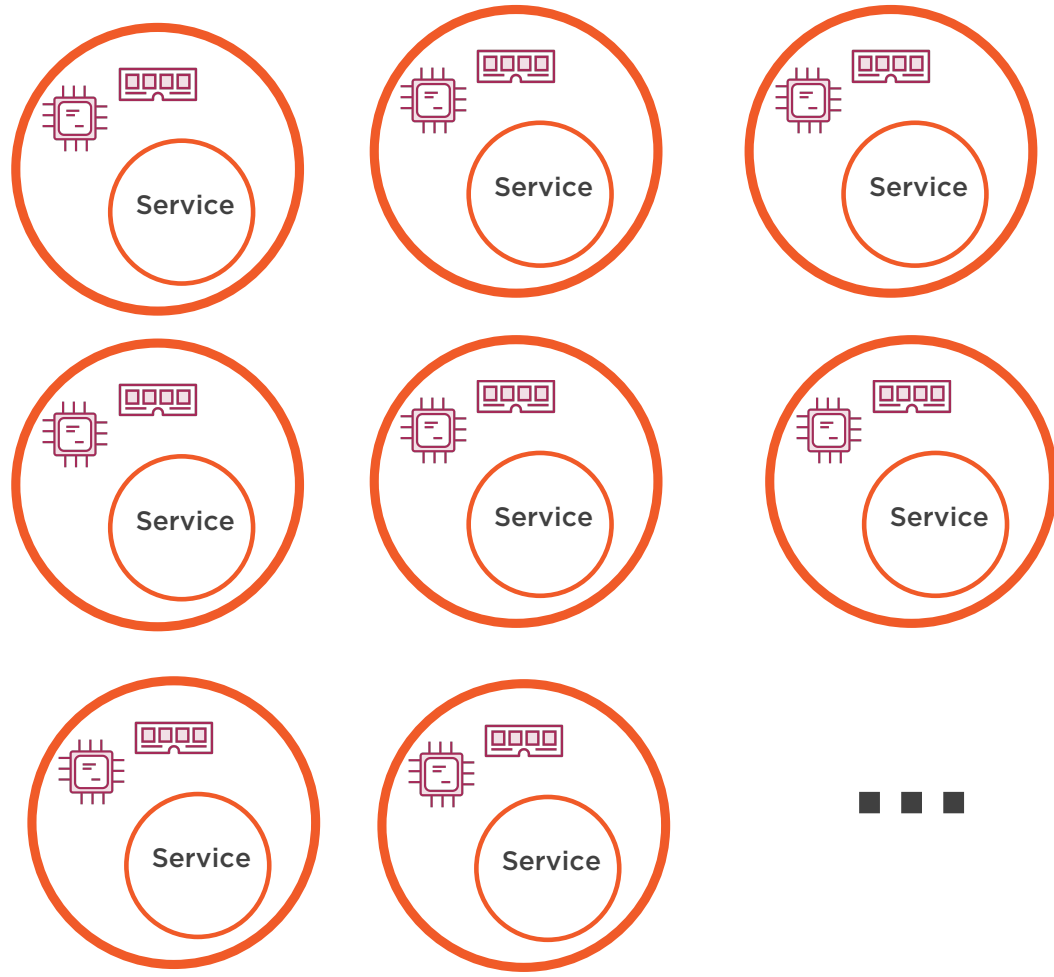
Server-side Rendering

Build out a full
implementation of Server-side
rendering

Typical Server Based Solution With Apollo



Typical Serverless Solution With Apollo



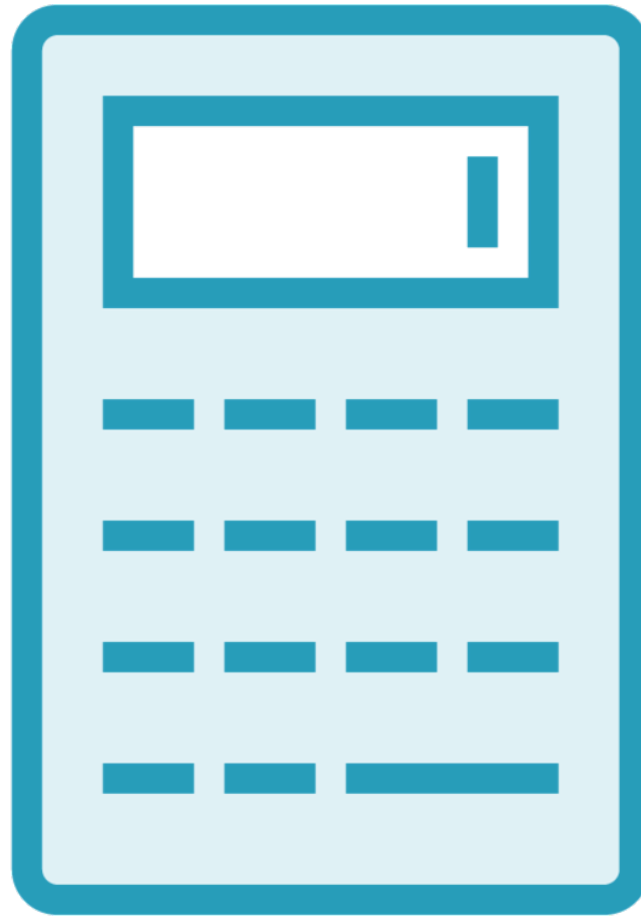
Common fast database



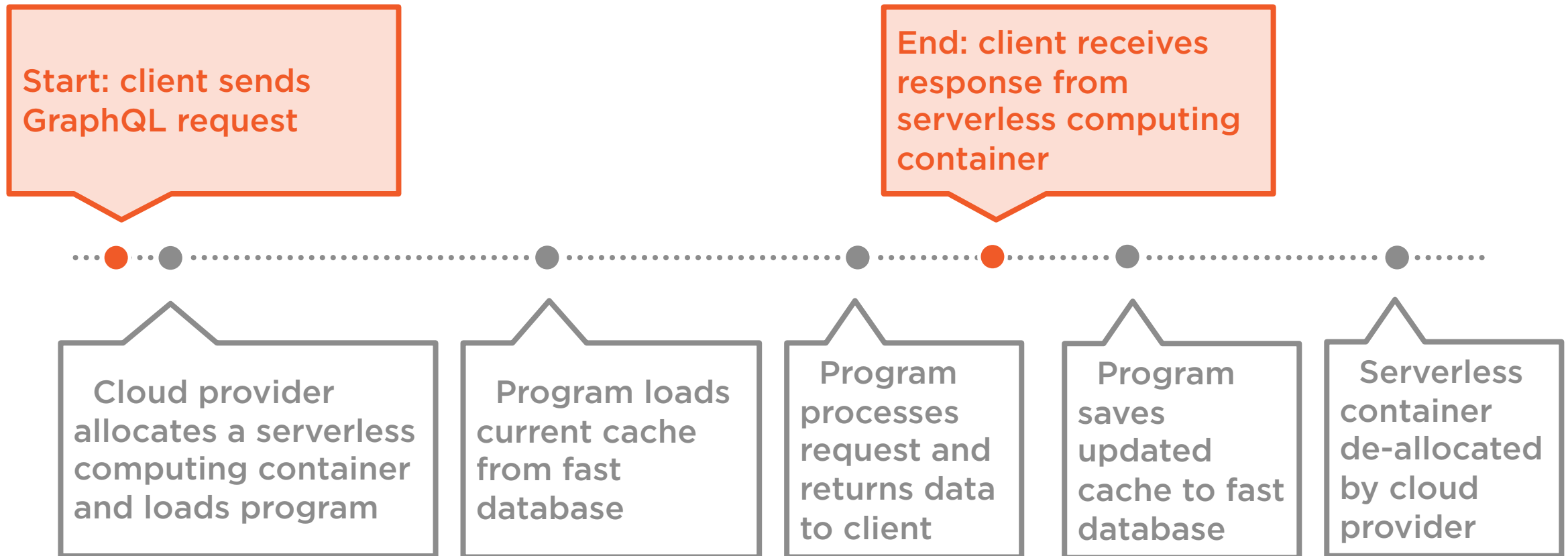
Common file system



Serverless App Easy To Implement



Apollo GraphQL Serverless Instance Timeline



When running React apps in Node, all async calls must complete before returning.

Next.js designed to make
server-side rendered apps
easy.

Takeaways



Serverless and Server-side bring big benefits

Serverless computing focused on devops

Server-side benefits

Faster response times

Better SEO

Feedback on forums and GitHub

Stay safe!