

# The vision for Unit

The only server component required to build web apps and APIs

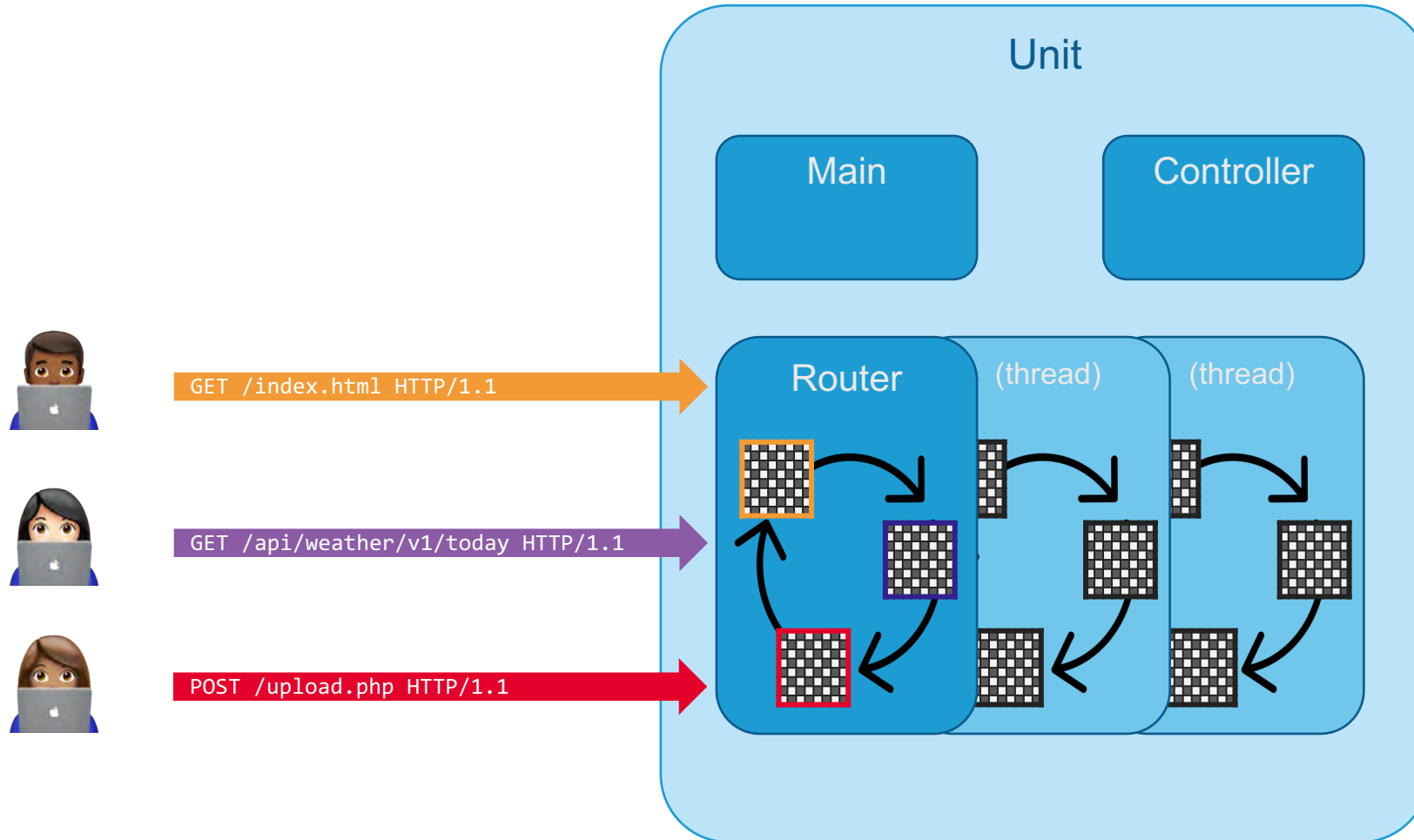
- Deliver complete web applications with fewer pieces
- Homogenous benefits: consistency, configuration

Evolved architecture derived from NGINX

- Don't invent a new configuration language/syntax
- Reconfiguration happens in-situ (no reloads)
- Flexible request routing, decoupled from network ports

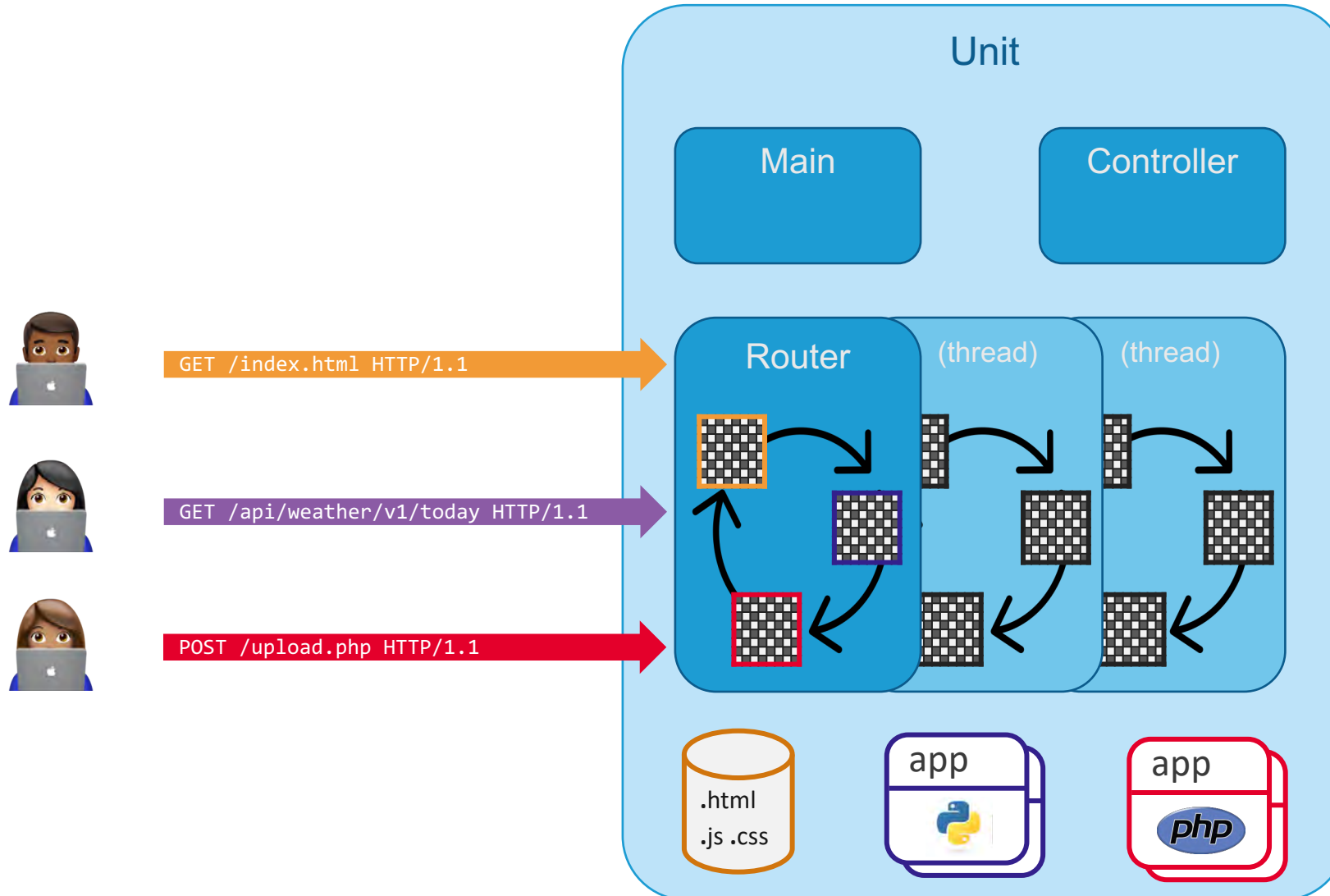


# How Unit plays chess



- **Main process** starts Unit and creates/destroys the other processes
- **Controller process** accepts new configuration and applies it to the router
- **Router process** (multi-threaded) handles client requests in async event loop

# How Unit plays more than chess

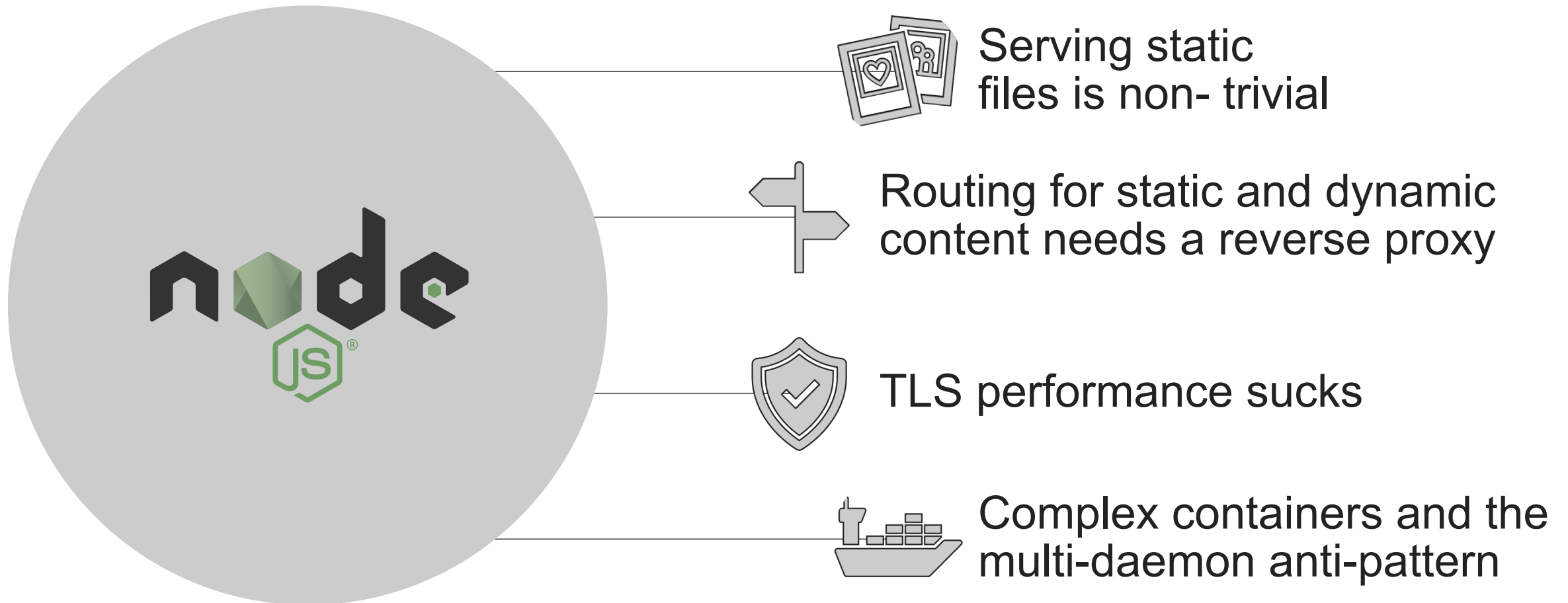


- **Main process** starts Unit and creates/destroys the other processes
- **Controller process** accepts new configuration and applies it to the router
- **Router process** (multi-threaded) handles client requests in async event loop
- **Application processes** (prototype and workers) run the application code

# Unit runs apps across many languages and frameworks

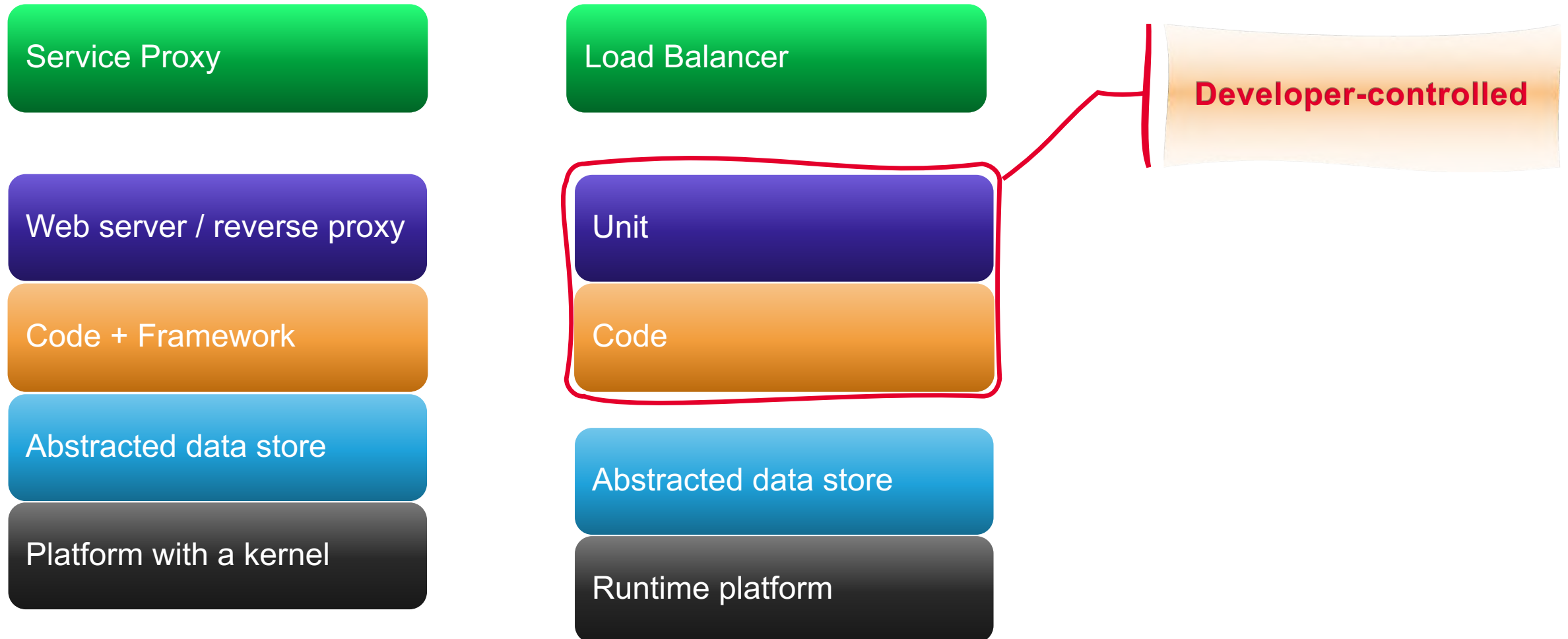


# Node.JS challenges



{...}

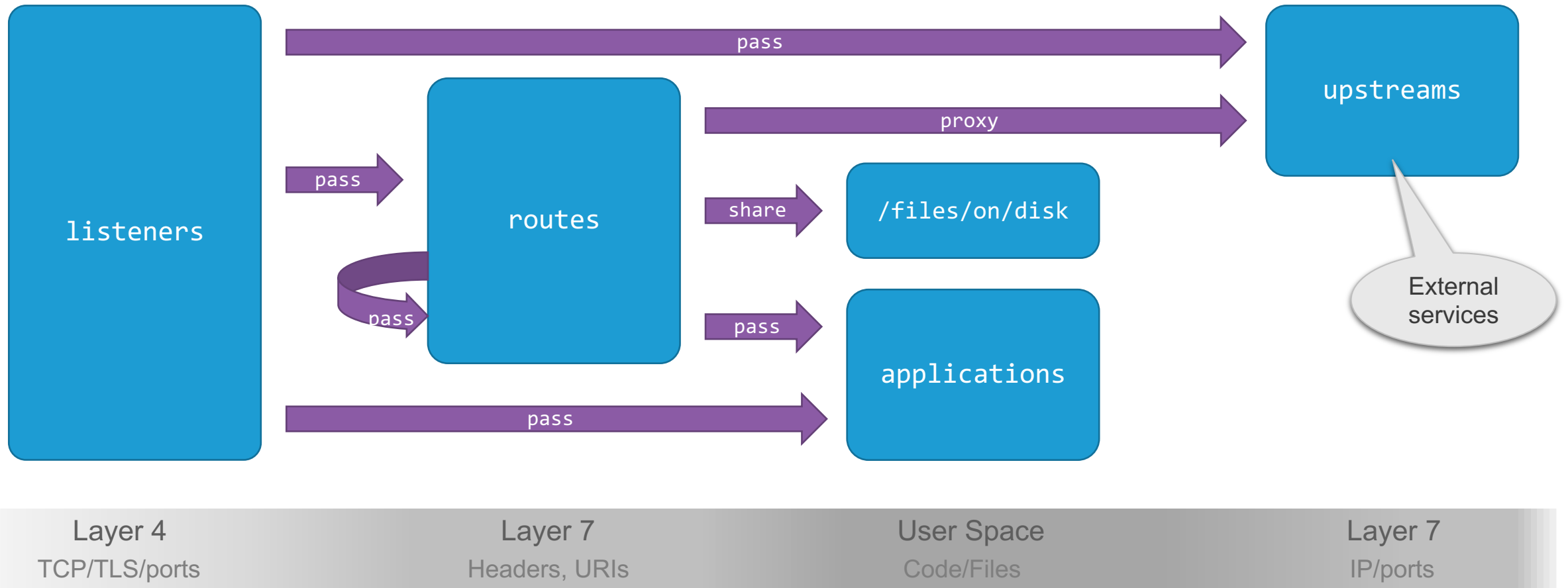
# Simplifying the application stack



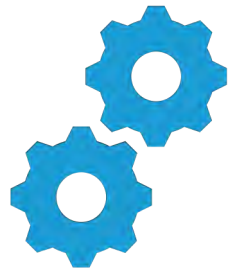


# Flexible configuration that spans network and runtime

Infrastructure as code for the entire stack



# Why you should use Unit?



## Build applications

Simplify microservices  
Modernize monoliths

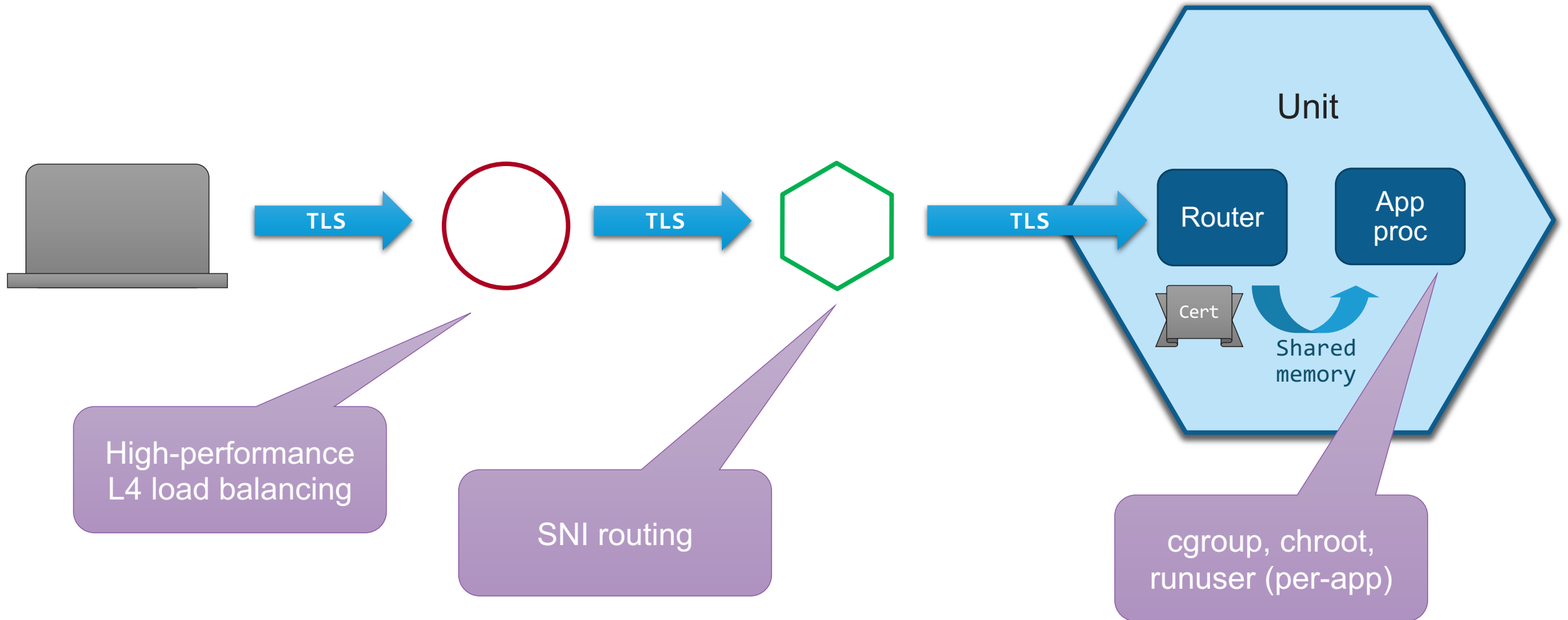


## Deploy to production

Encrypt end-to-end  
Isolate applications

# Secure runtime environment

A reference architecture



# Get started with NGINX Unit

Installation, configuration, and how-to **docs**

- [unit.nginx.org](https://unit.nginx.org)

Code, issues

- [github.com/nginx/unit](https://github.com/nginx/unit)

Community, discussion

- [community.nginx.org/joinslack](https://community.nginx.org/joinslack)
- [unit@nginx.org](mailto:unit@nginx.org) (<https://mailman.nginx.org/>)

