

Host-Level API



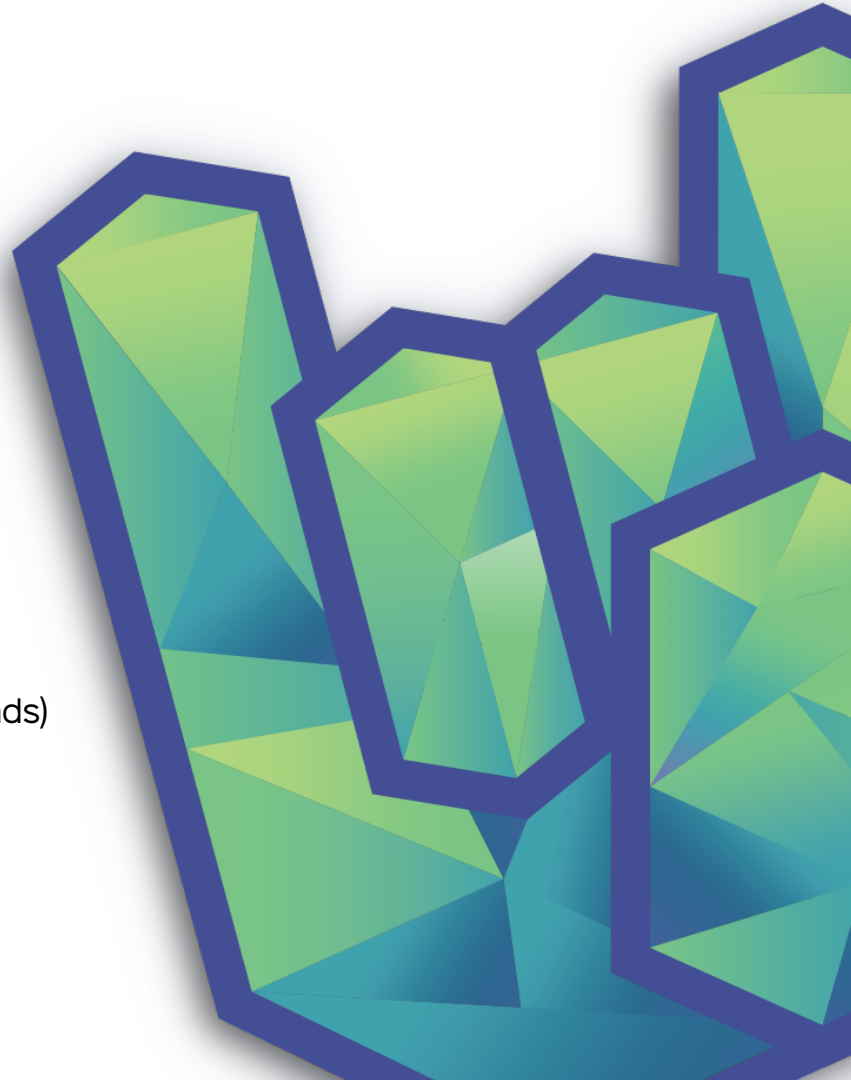
Goal

Multiple client API levels

- connection-level API
- host-level API
- request-level API

Host-level API benefits:

- the freedom from managing individual connections
- the ability to *attach data* to requests (aside from payloads)



Recap

Akka HTTP client: host-level API

```
val poolFlow = Http().cachedHostConnectionPool[Int]("http://my.web.service.com")
```

`Flow[(HttpRequest, Int), (Try[HttpResponse], Int), Http.HostConnectionPool]`

attach data to each request

Akka HTTP will attach to the response
the same data you attached to the request

Host-level API benefits:

- the freedom from managing individual connections
- best for high-volume, short-lived requests

Do not use the host-level API for:

- one-off requests (use the request-level API)
- long-lived requests (use the connection-level API)

Akka rocks

