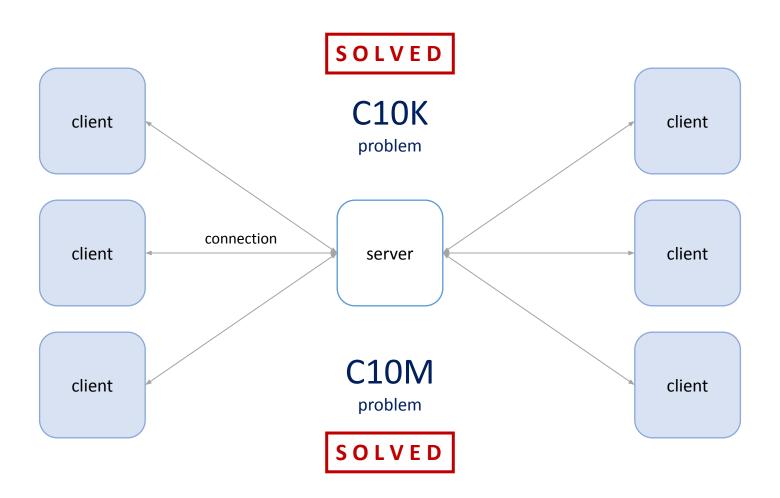
How many concurrent connections can one server handle?





# Mail.Ru email service

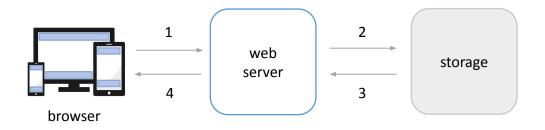
#### short polling

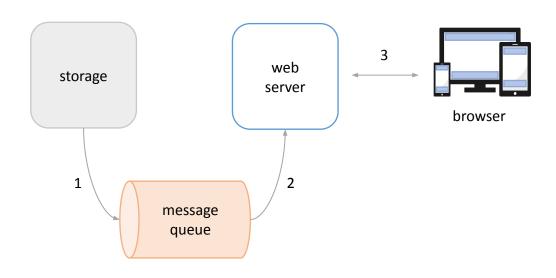
2017 50,000 requests per second 60% returns empty results



#### WebSocket

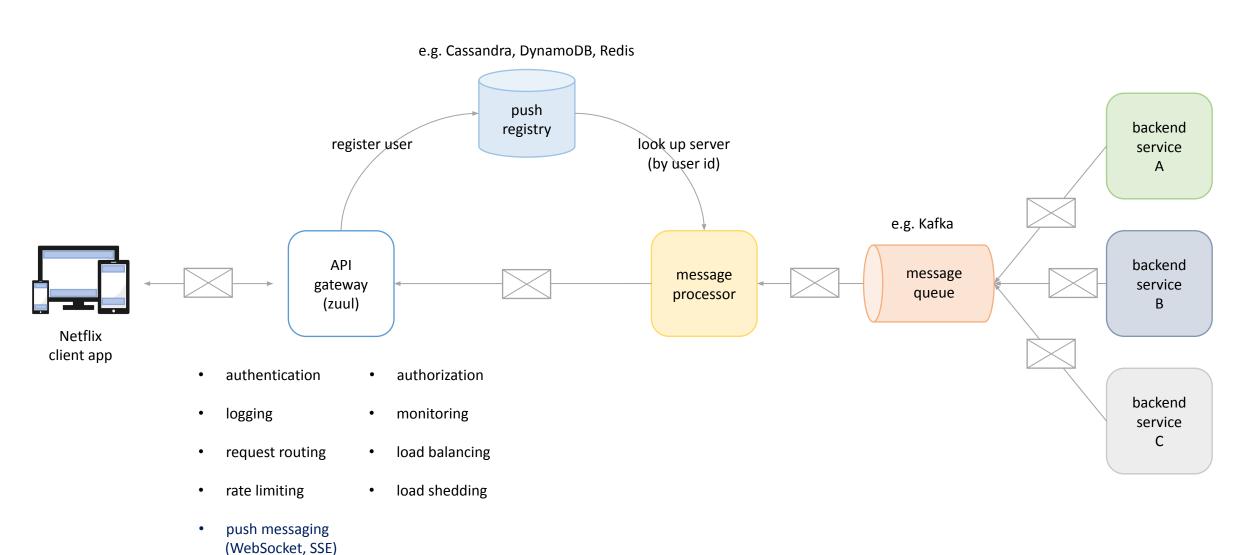
3,000,000 connections per server





#### **Netflix**

streaming service



problem	solution
thread per connection model scales poorly for long lived connections	choose non-blocking IO servers for push architectures
server restarts	<ul> <li>migrate connections without reconnecting clients</li> <li>force clients to reconnect to a different server</li> </ul>
server failures	prefer multiple small servers to one big server
older load balancer versions cut WebSocket connections	<ul> <li>use load balancers with native support for WebSockets</li> <li>balance the load at layer 4 (TCP) instead of layer 7 (HTTP)</li> </ul>