

# Node.js

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# JavaScript

- Dynamic type-checking
  - Wert bestimmt Datentyp, nicht Variable
  - Ermöglicht sehr flexibles Entwickeln
- Weakly typed
  - Funktionen sind typ-ungebunden
  - Objekte lassen sich dynamisch erweitern
  - Truthy & Falsy Variablen

# Node.js

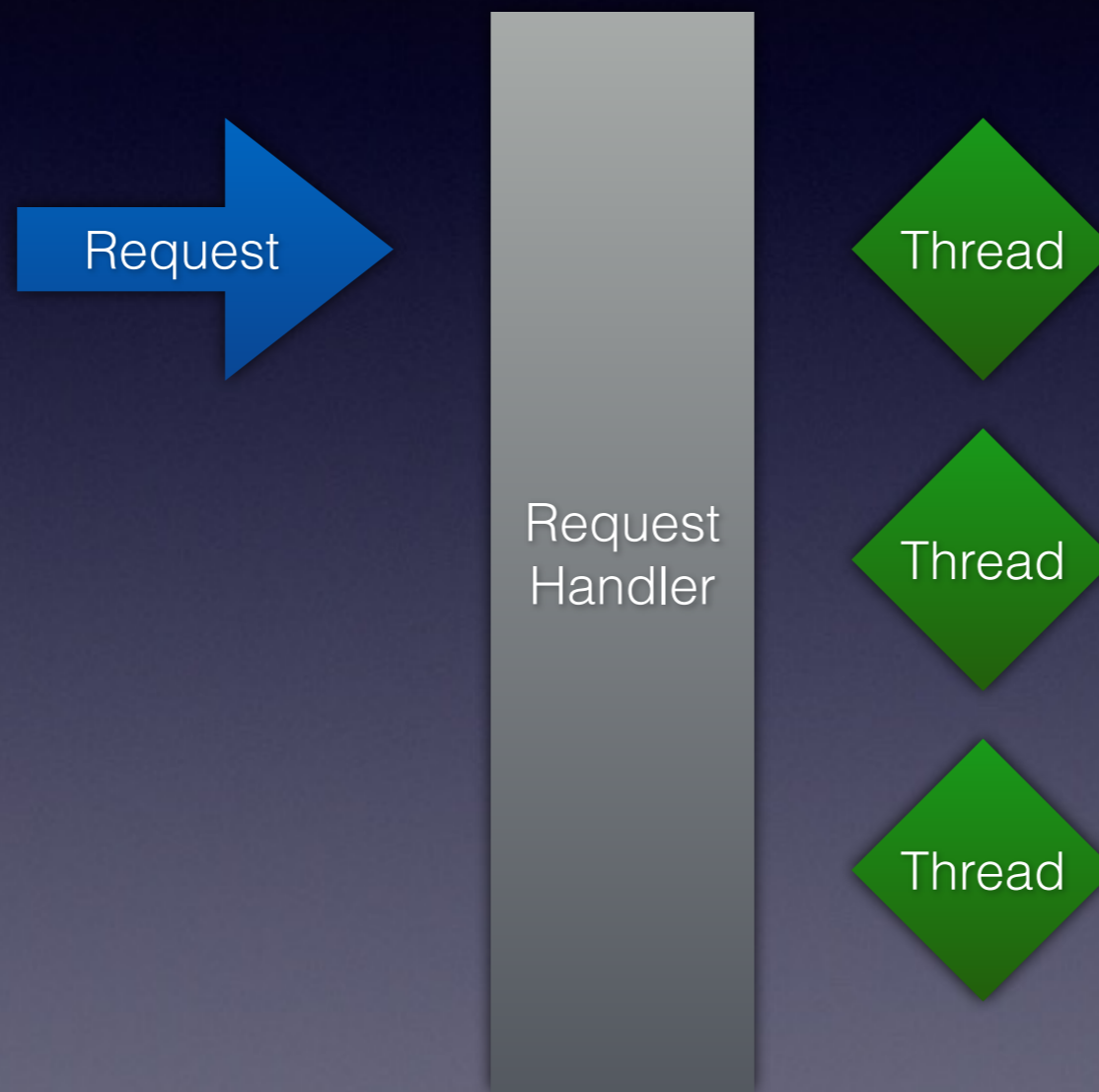
- JavaScript Laufzeit-Umgebung
- JIT-Kompilierung mit V8
- Single-threaded, easily scalable

# Node.js

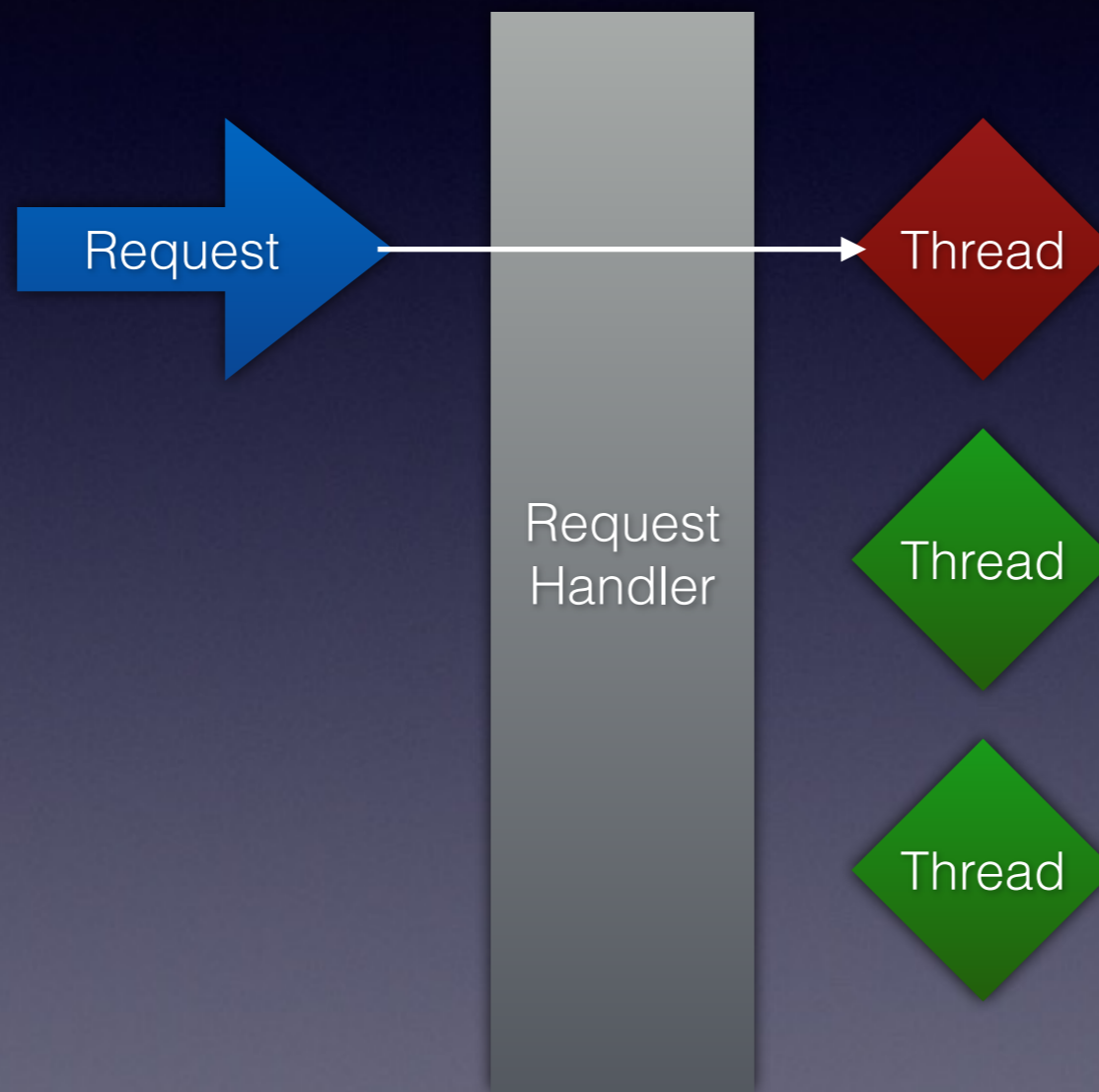
“Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices.”

— [nodejs.org](https://nodejs.org)

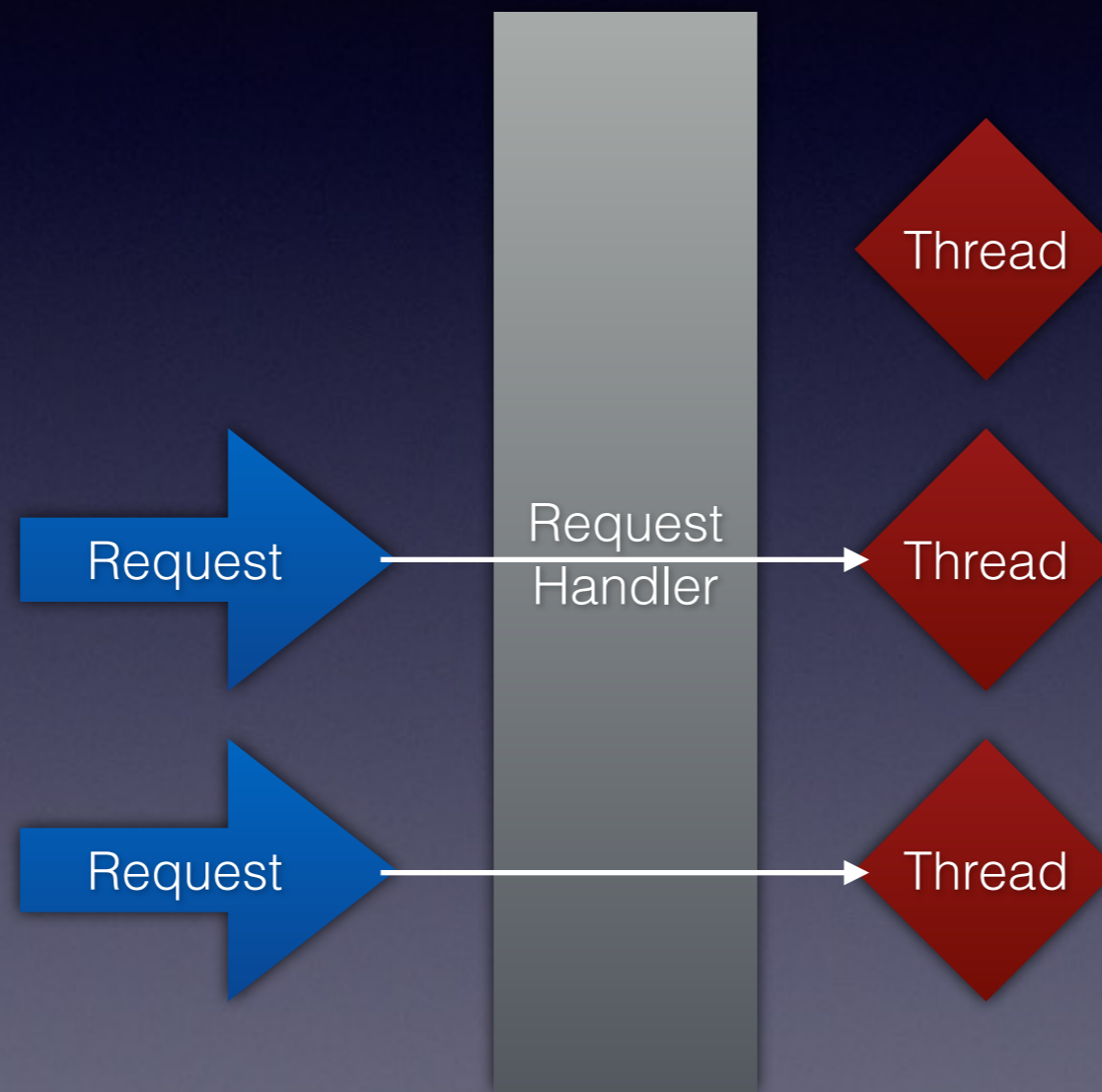
# Blocking I/O



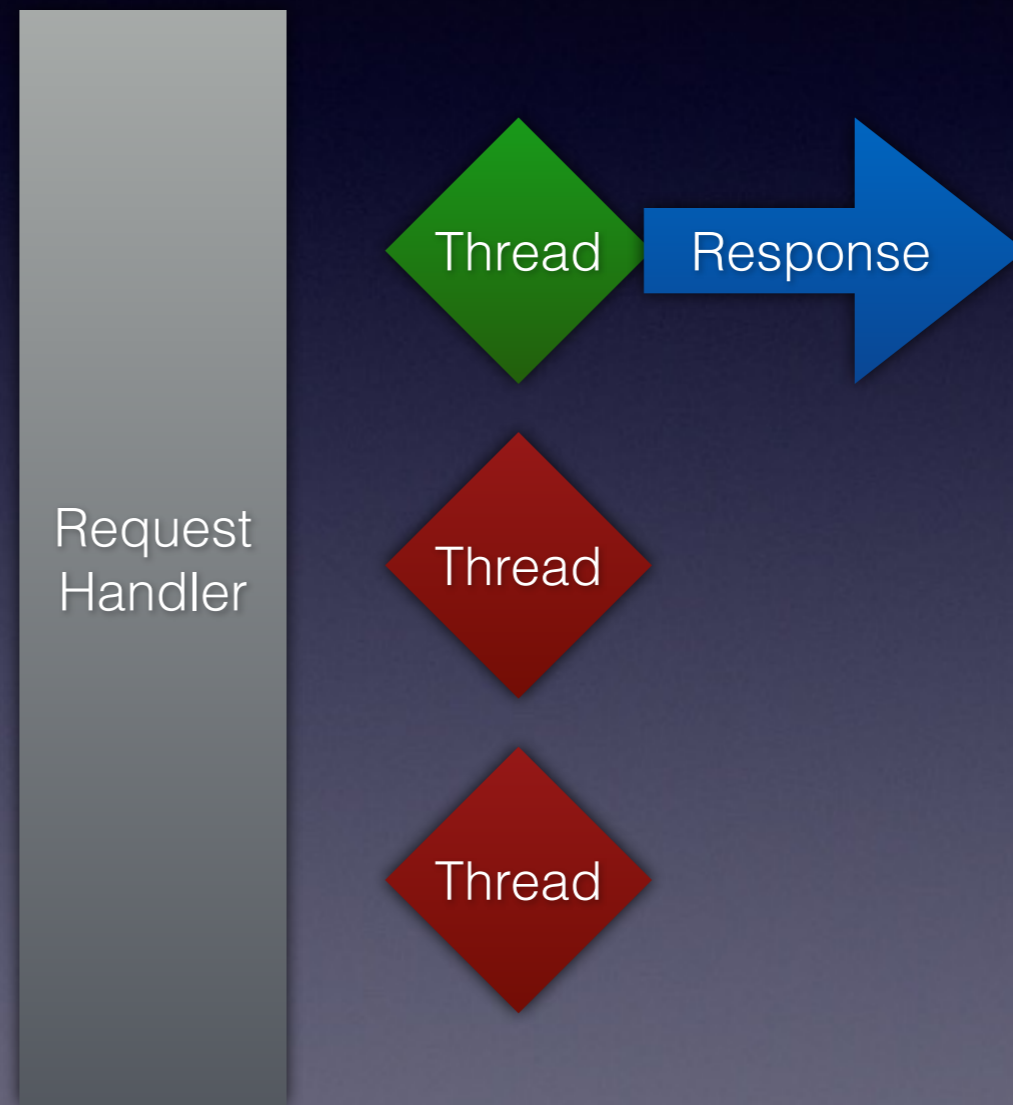
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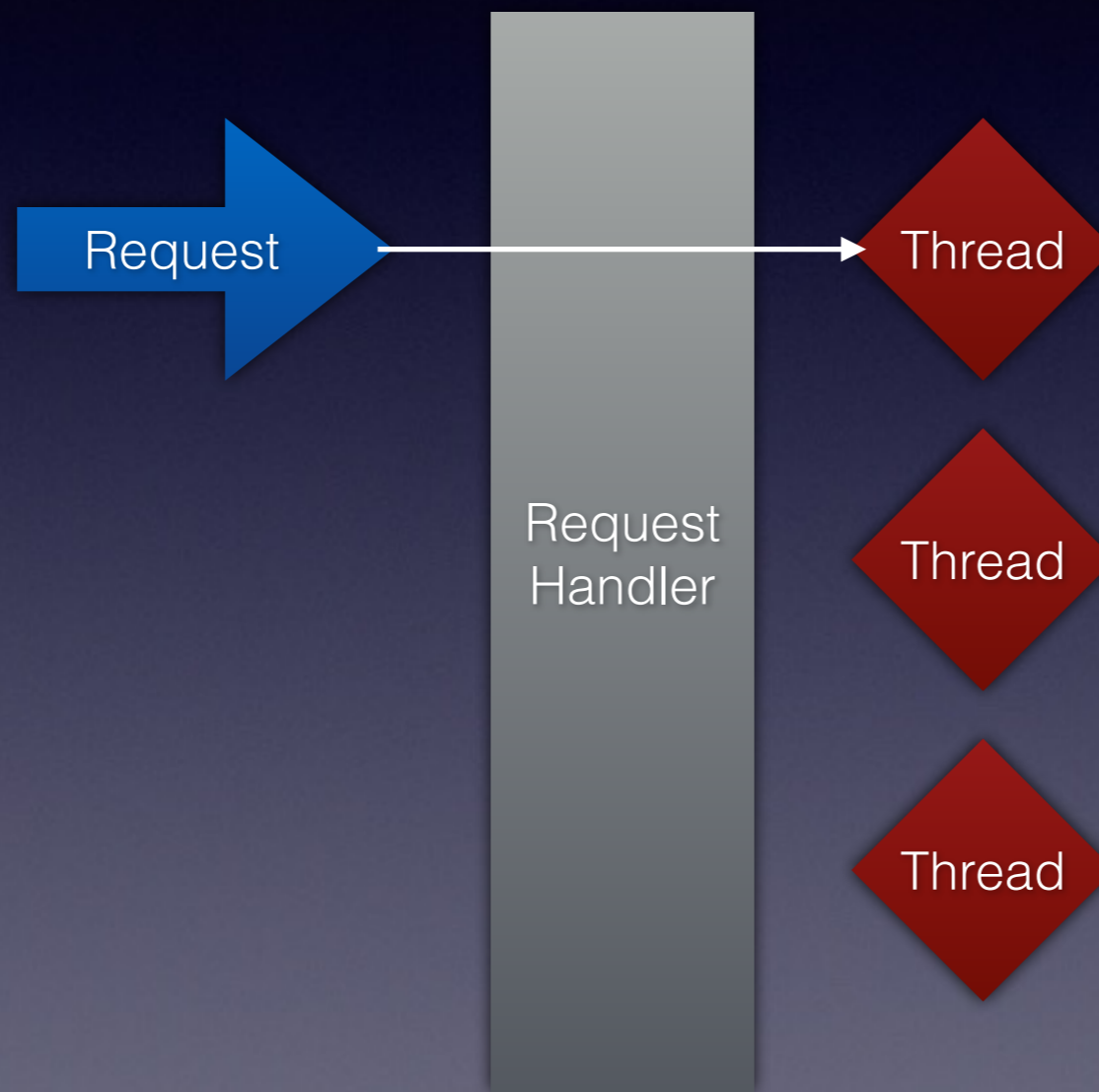


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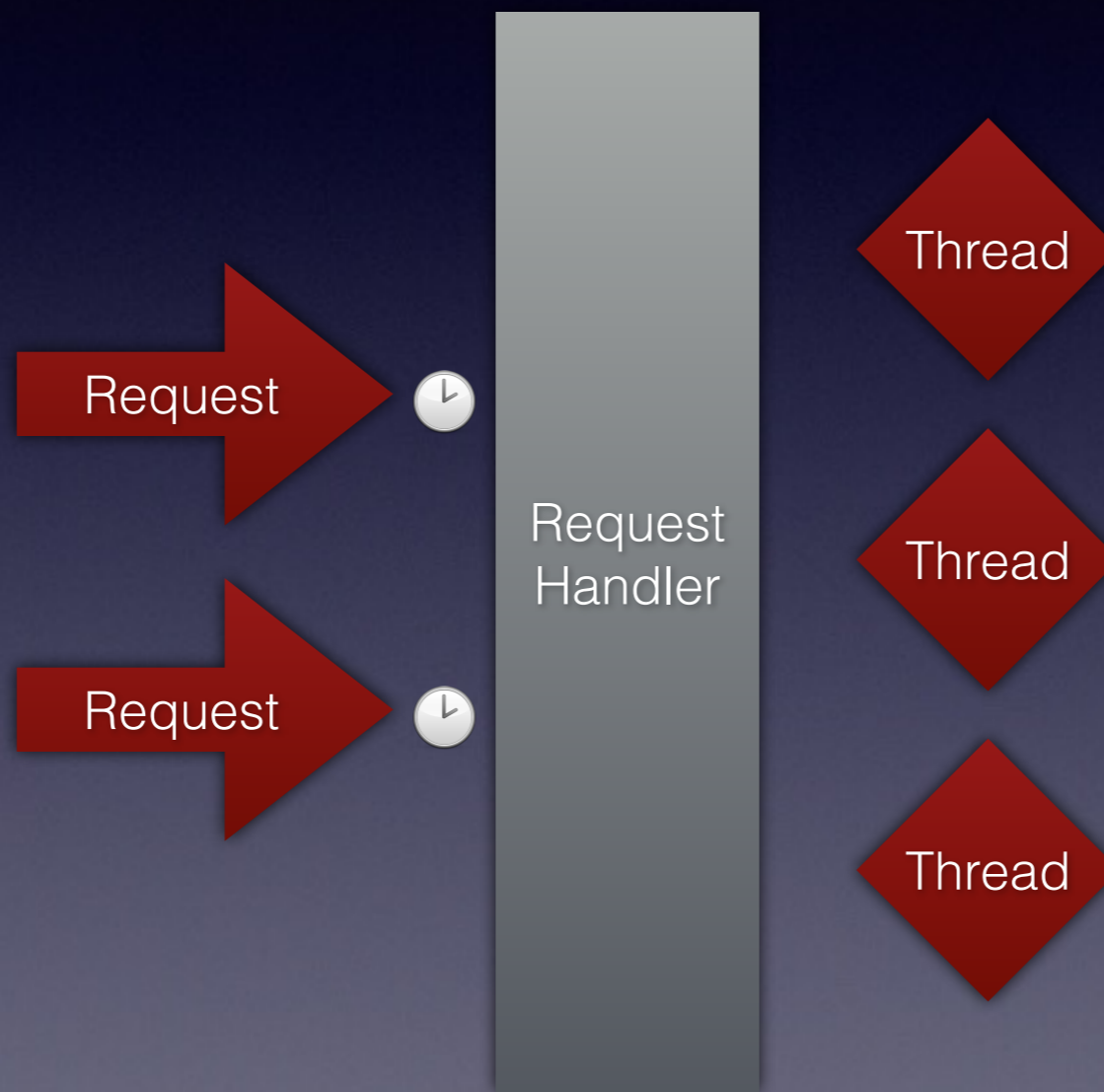




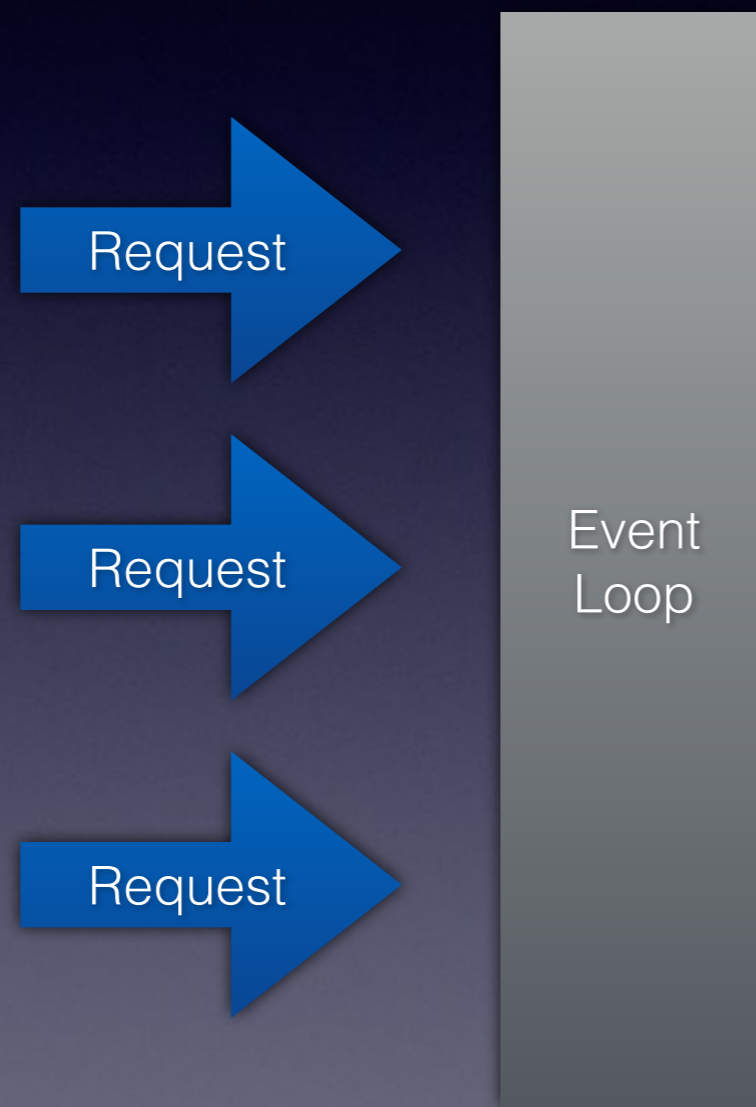
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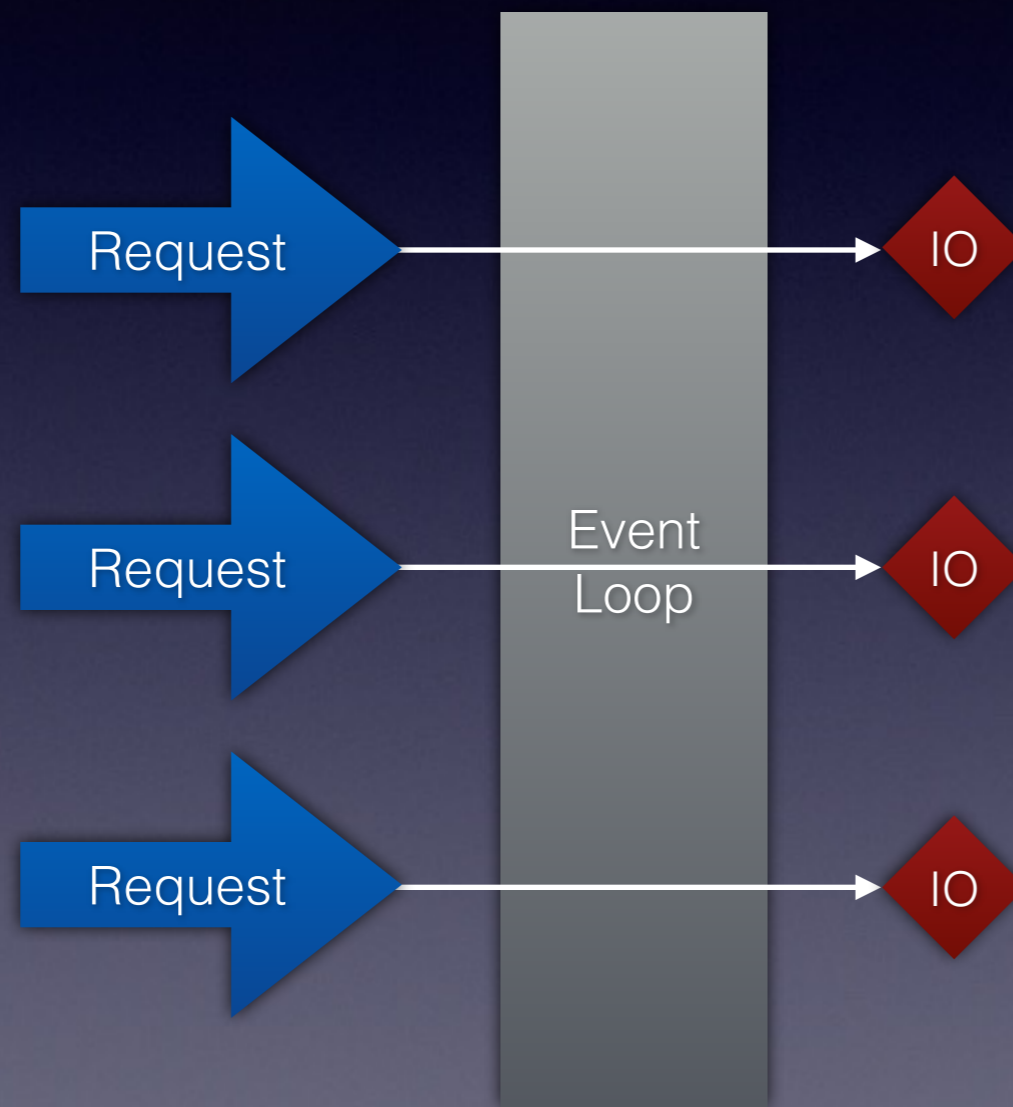
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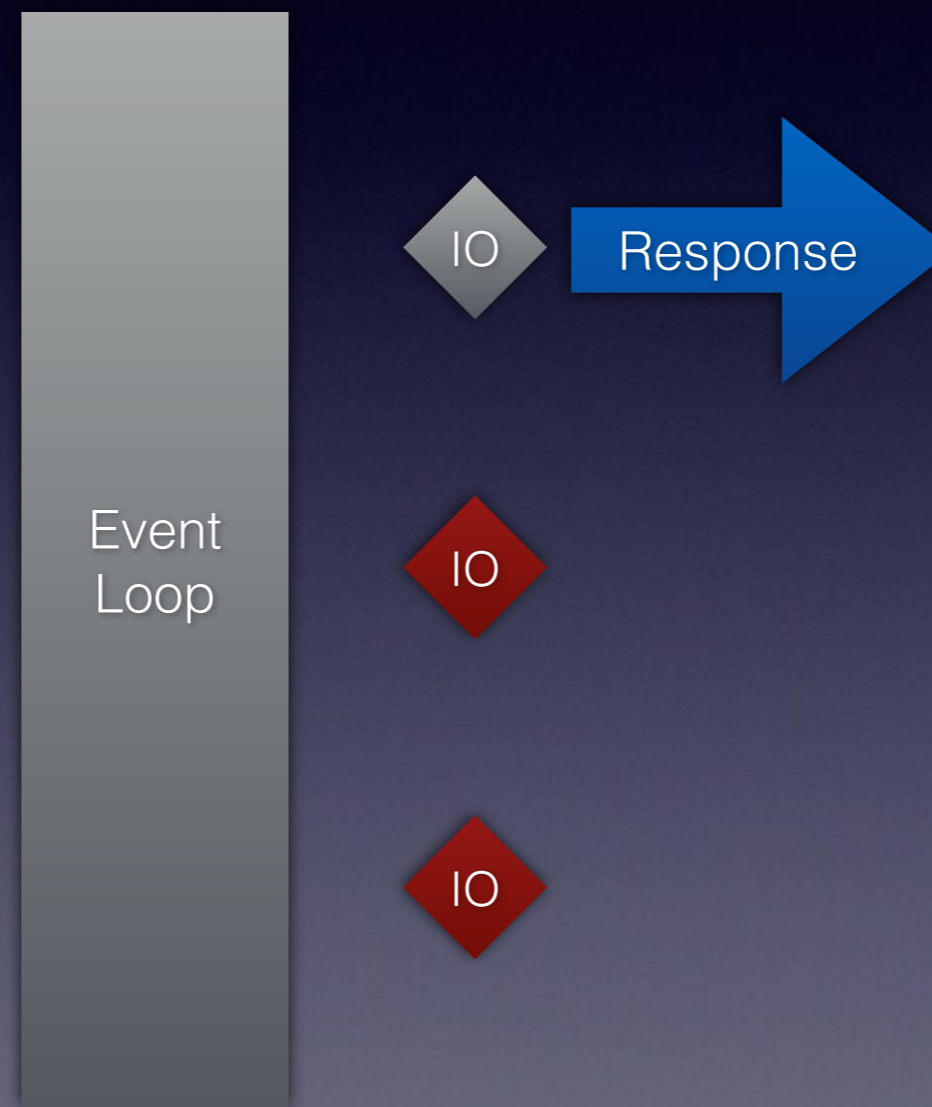
# Non-blocking I/O



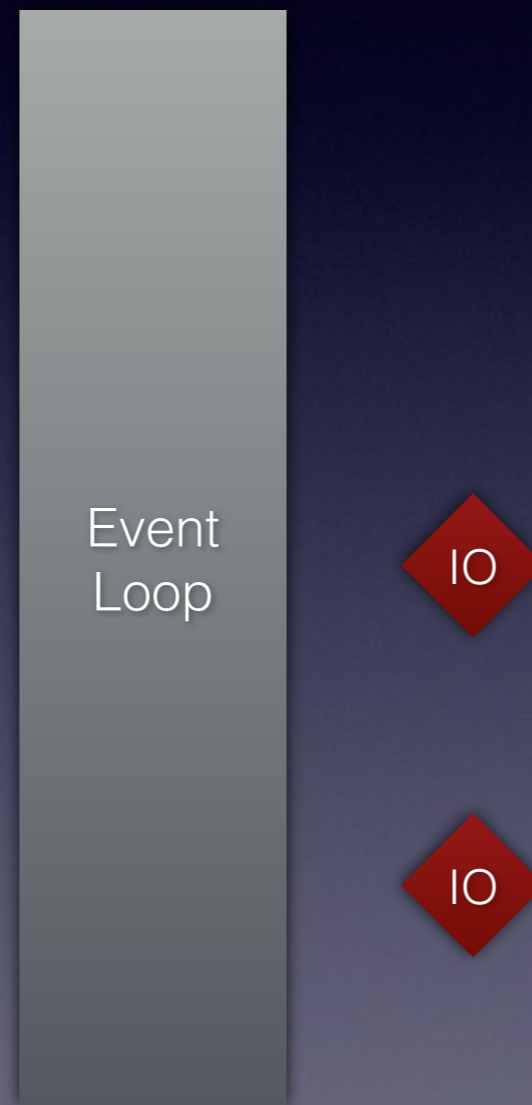
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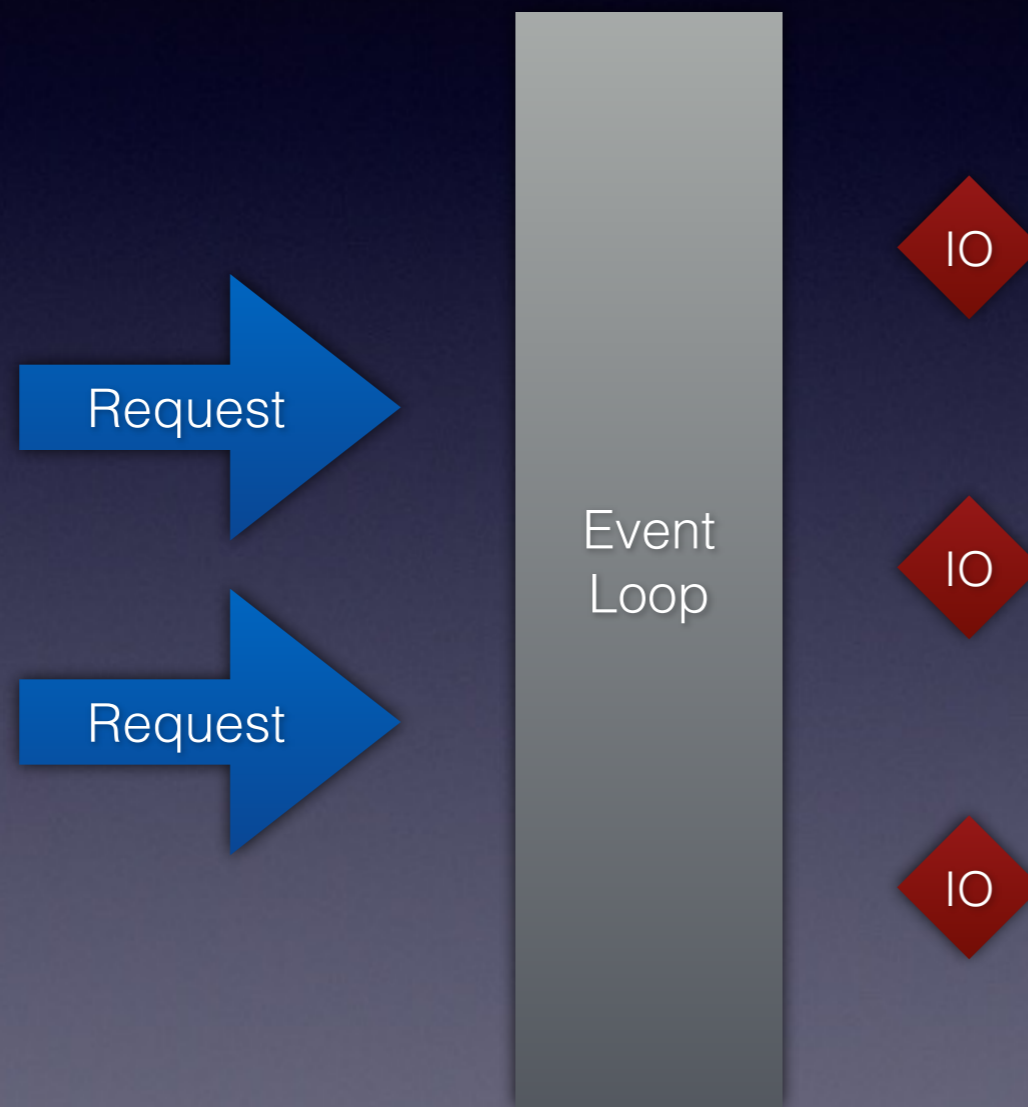
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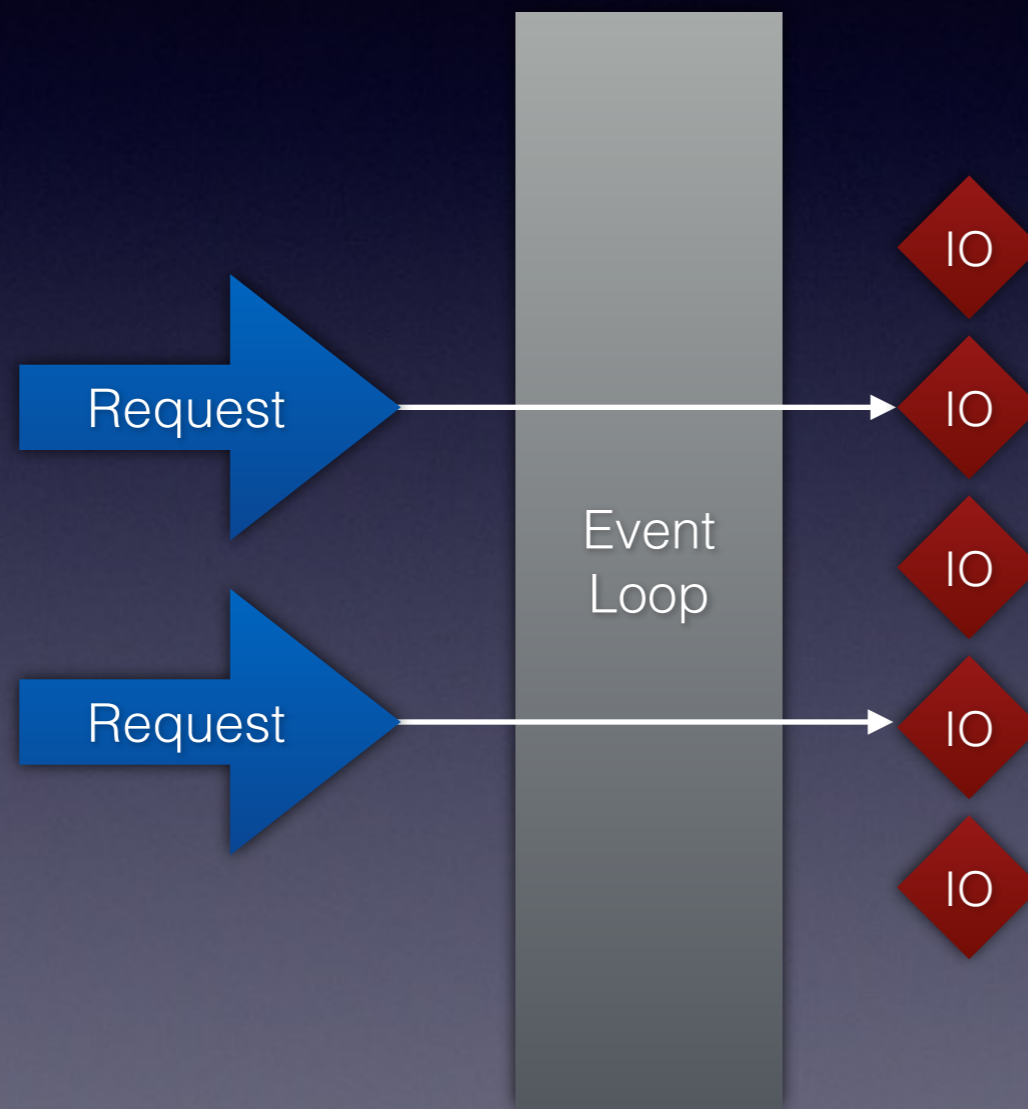
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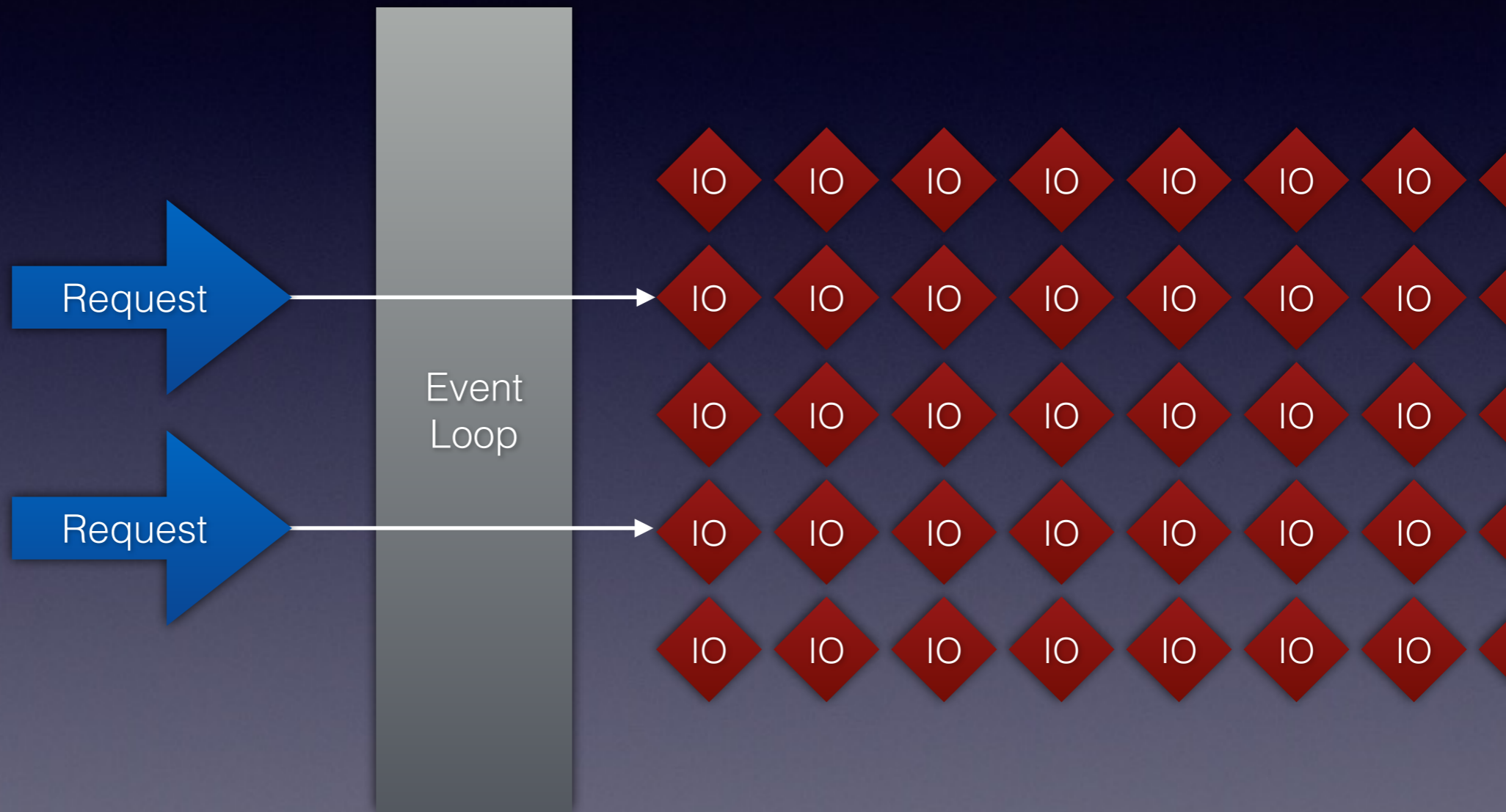


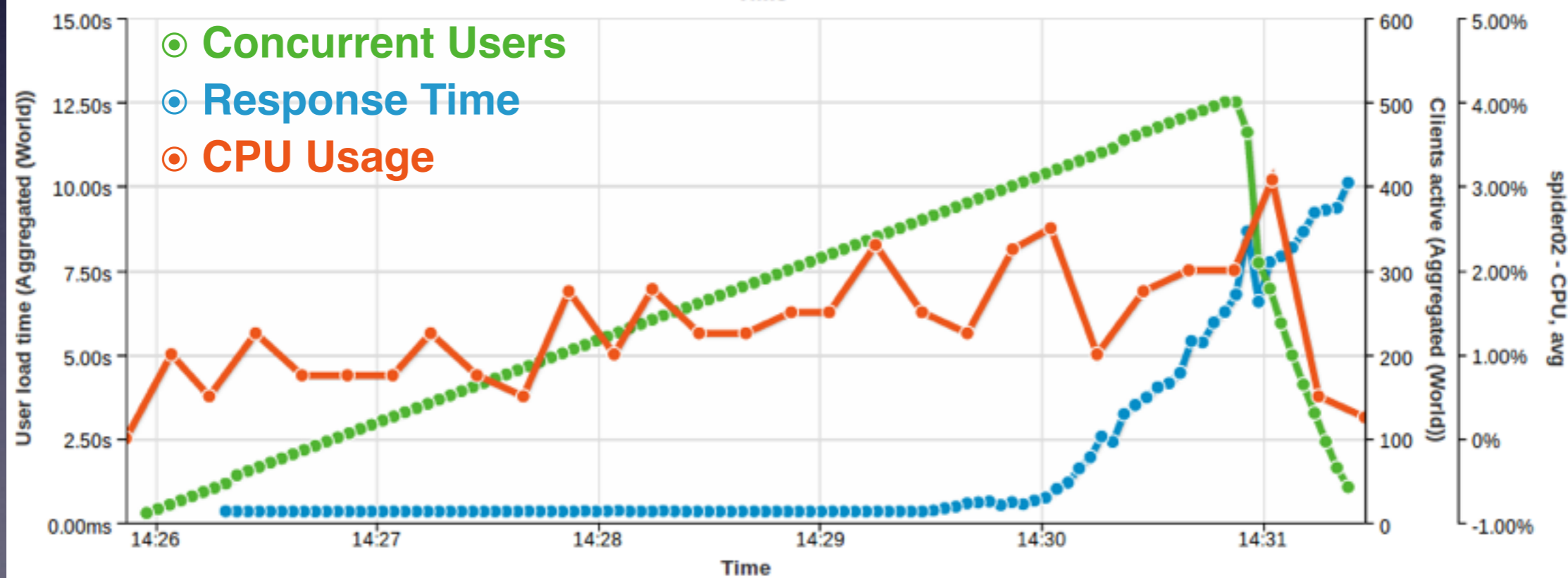
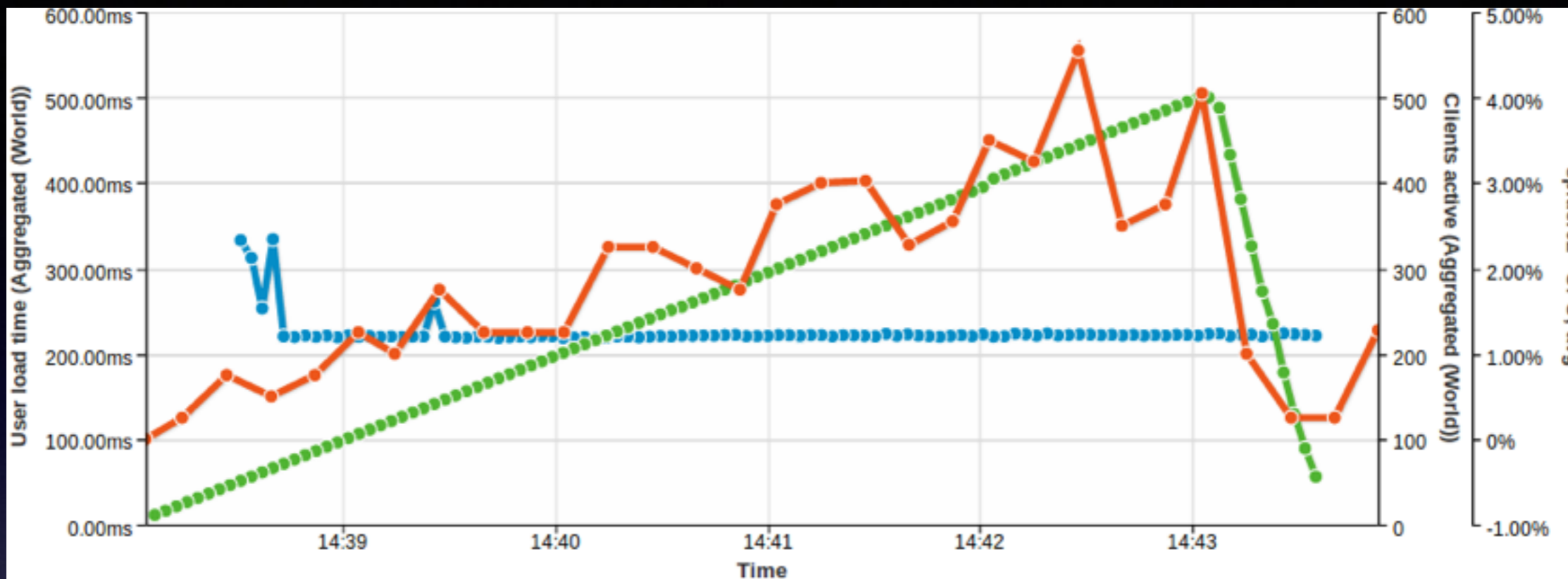
# Non-blocking I/O





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Beispiel

Danke für die  
Aufmerksamkeit