

# How Node Works



**Mosh Hamedani**  
[programmingwithmosh.com](https://programmingwithmosh.com)

Highly-scalable, data-intensive  
and real-time apps

Non-blocking

**ASYNCHRONOUS**

**Kitchen**



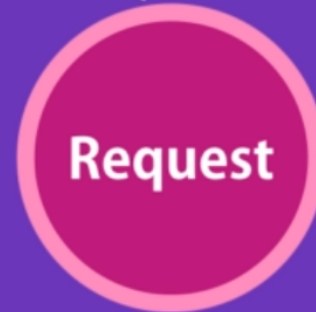
**Table 1**

**Table 2**

Single Thread



**NODE**





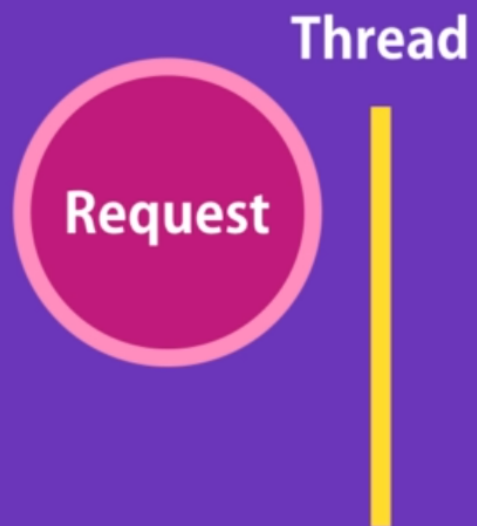
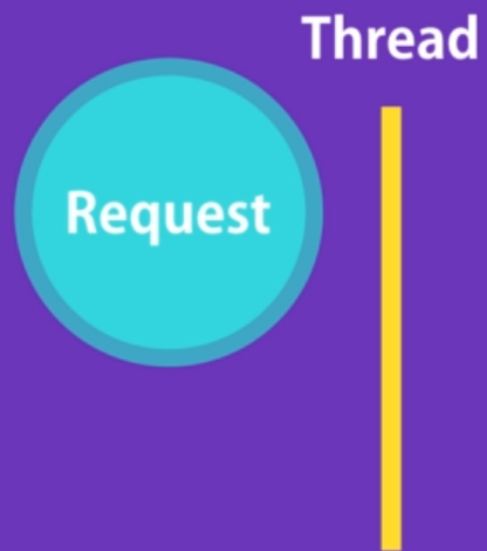


# Server



All threads busy!





Server

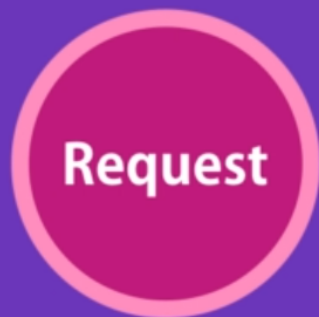
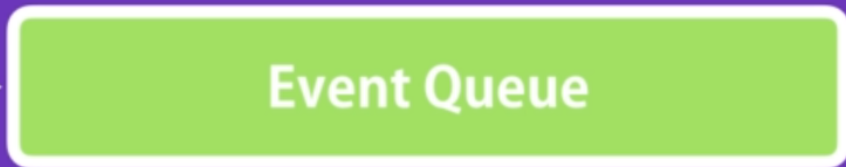


Server



Node applications are  
**asynchronous** by default

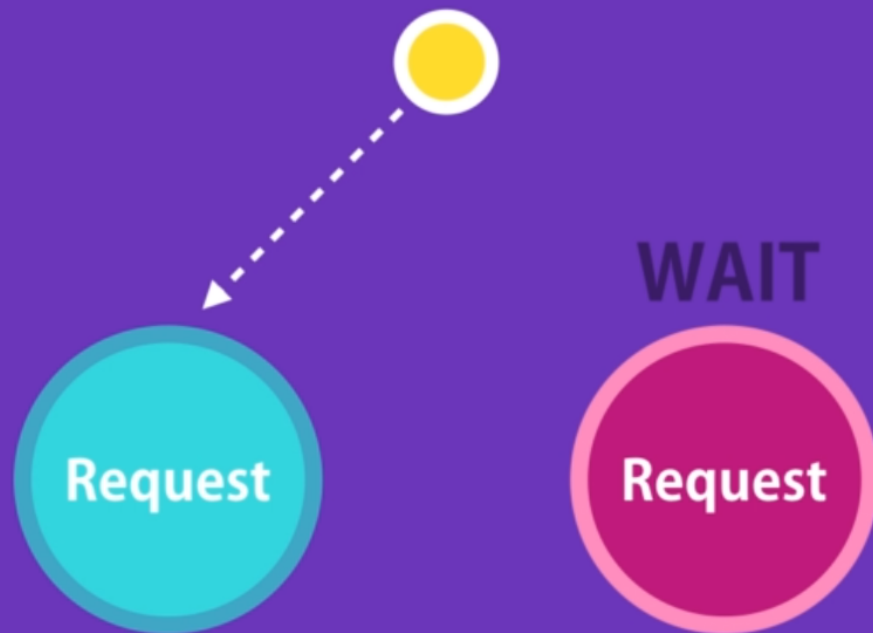
Single Thread



Node is ideal for  
**I/O-intensive** apps

Do **not** use Node for  
**CPU-intensive** apps

Single Thread



**Let's install Node and write some code!**