

# Writing Event-driven Code with EventEmitters

---



**Brice Wilson**

@brice\_wilson [www.BriceWilson.net](http://www.BriceWilson.net)

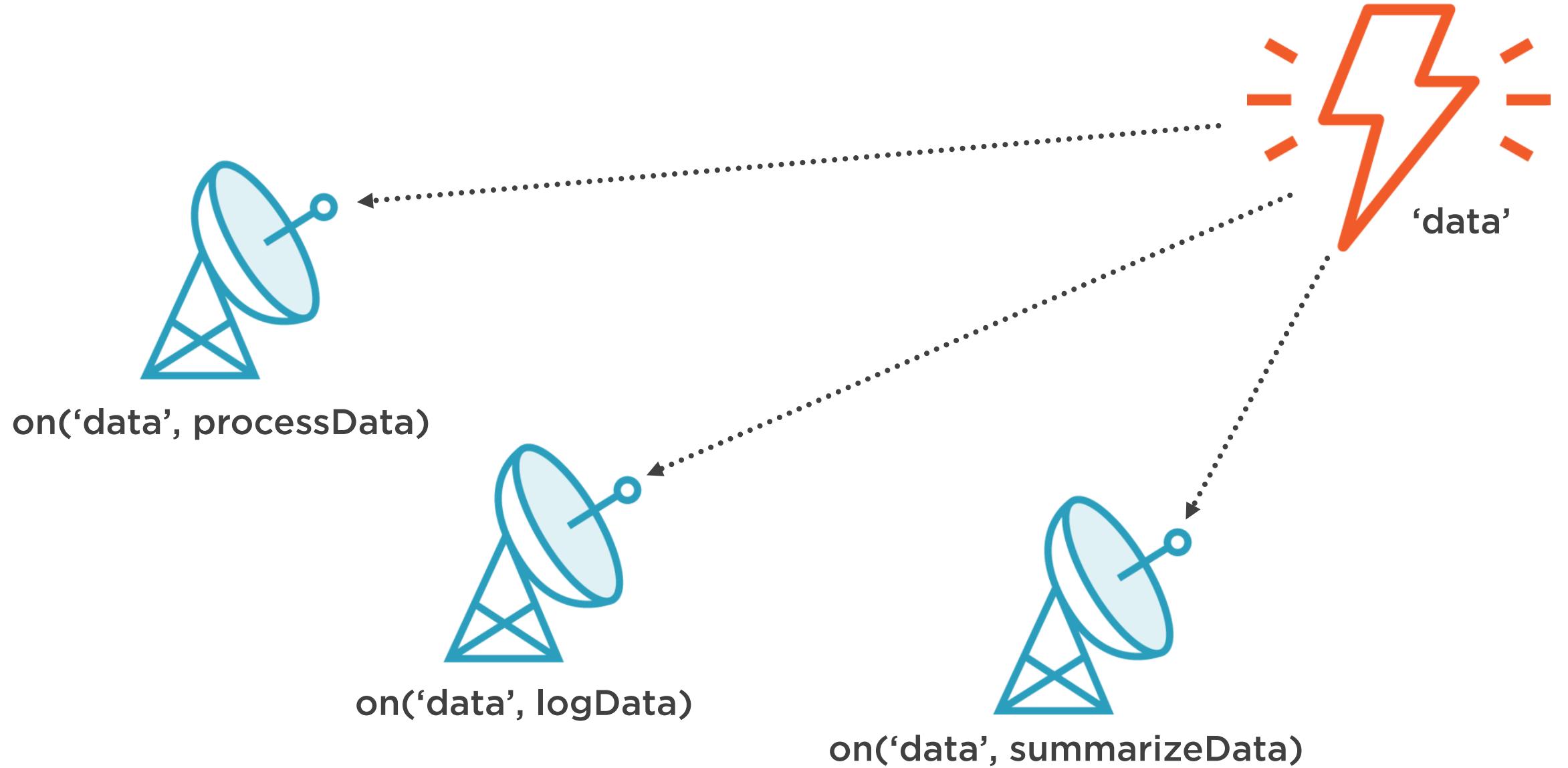


“As an asynchronous event-driven runtime, Node.js is designed to build scalable network applications.”

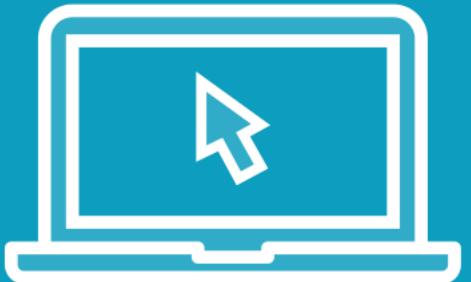
<https://nodejs.org/en/about/>



# EventEmitters



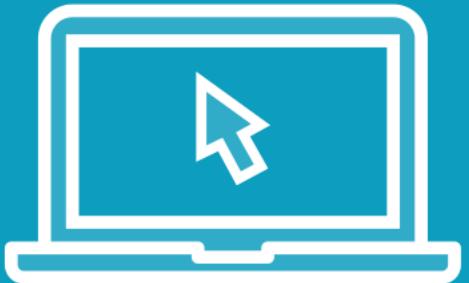
Demo



**Creating and responding to events with  
an EventEmitter**



Demo



**Configuring event handlers for  
asynchronous execution**



“The EventEmitter calls all listeners synchronously in the order in which they were registered. This ensures the proper sequencing of events and helps avoid race conditions and logic errors.”

[https://nodejs.org/docs/latest-v12.x/api/events.html#events\\_asynchronous\\_vs\\_synchronous](https://nodejs.org/docs/latest-v12.x/api/events.html#events_asynchronous_vs_synchronous)



Up Next:

Utilizing Worker Threads

