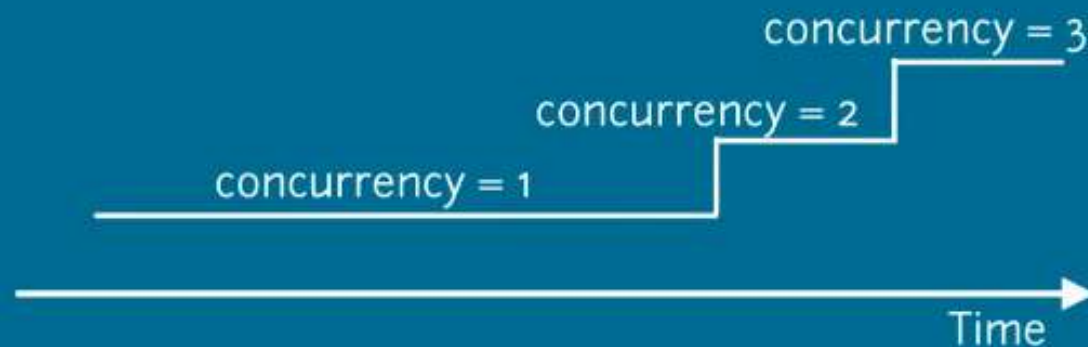
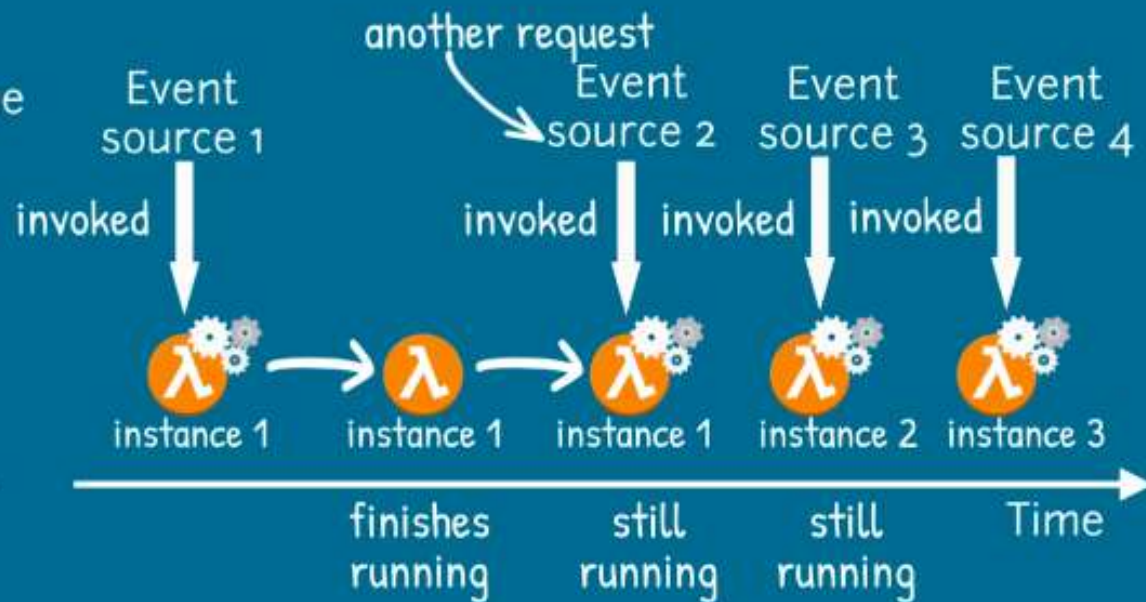
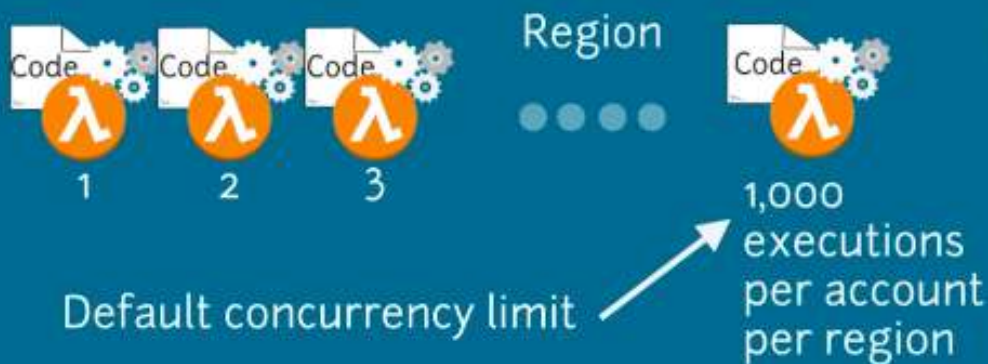


# Lambda Concurrency

number of concurrent executions at any given time



# Reserved / Unreserved Concurrency

Account's concurrency limit



Why reserved?

Prevent a function



consuming the majority of the concurrency

Leave me some, I'm hungry

Why reserved?

OR

Consume too much concurrent capacity

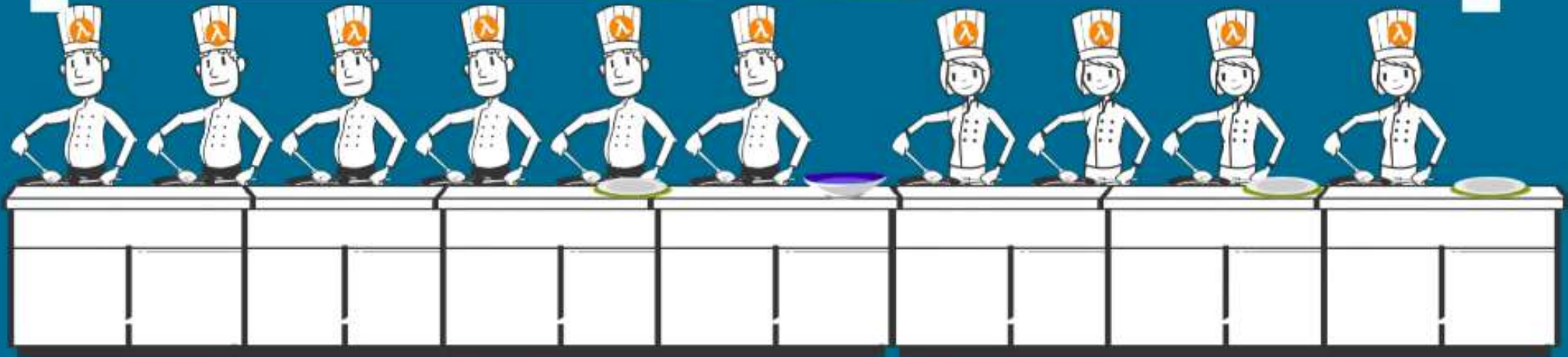


overwhelm downstream services or databases



# Chef Analogy Example

Concurrency  
pool



Total maximum concurrency limit = 10



Not enough concurrency  
throttled



# Chef Analogy Example

Today's Special

Chicken 🍗



Total maximum concurrency limit = 10

Unreserved concurrency = 6

Consumed unreserved concurrency = 6

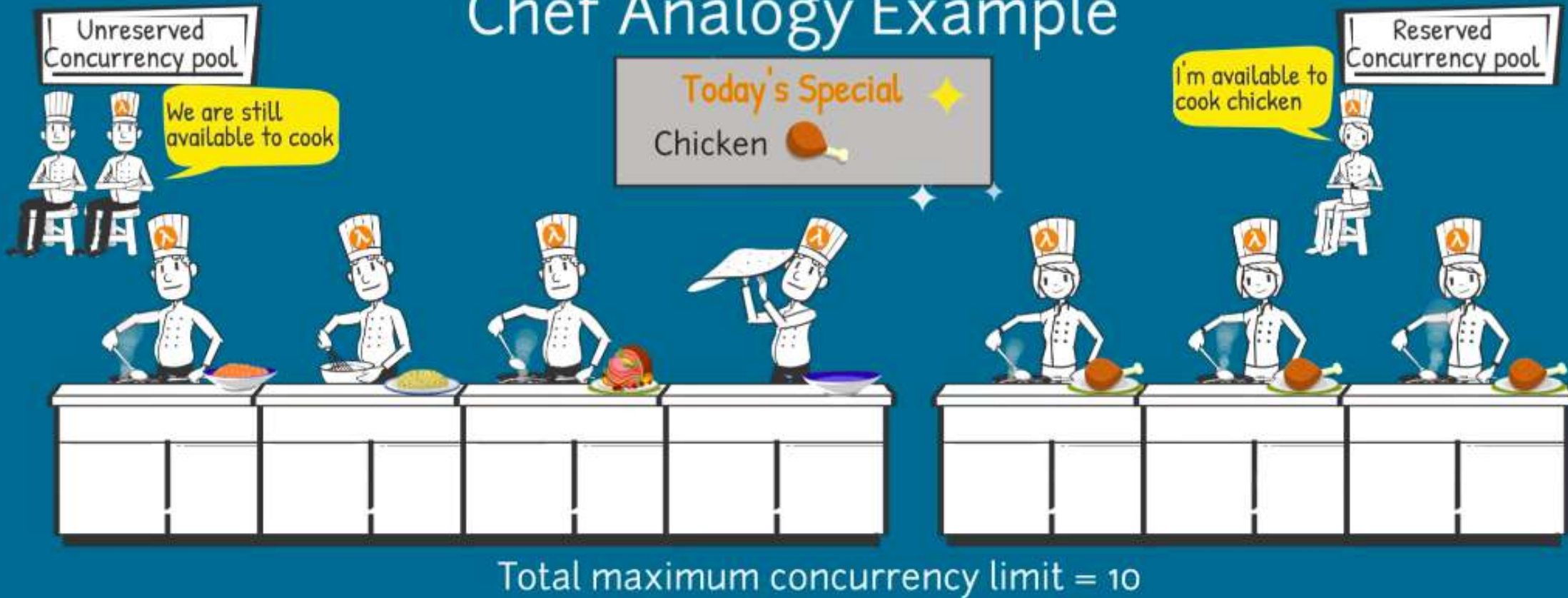
Handle all food orders except chicken

Reserved concurrency = 4

Consumed reserved concurrency = 4

Reserved to cook chicken only

# Chef Analogy Example



Unreserved concurrency = 6  
Consumed unreserved concurrency = 4  
Handle all food orders except chicken

Reserved concurrency = 4  
Consumed reserved concurrency = 3  
Reserved to cook chicken only