

# Controlling Execution with Schedulers

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# RxJS Schedulers

**queueScheduler**

**asyncScheduler**

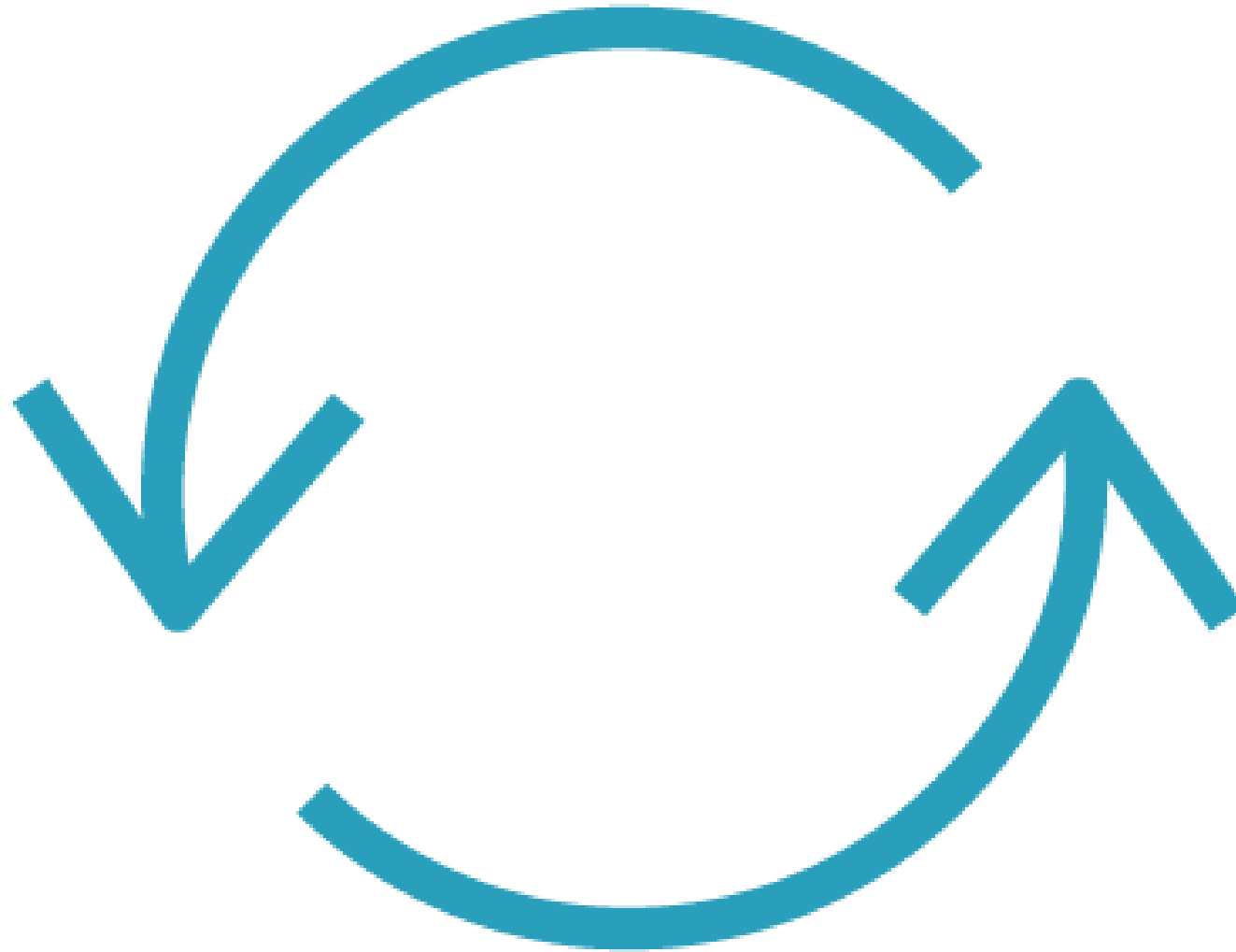
**asapScheduler**

**animationFrameScheduler**

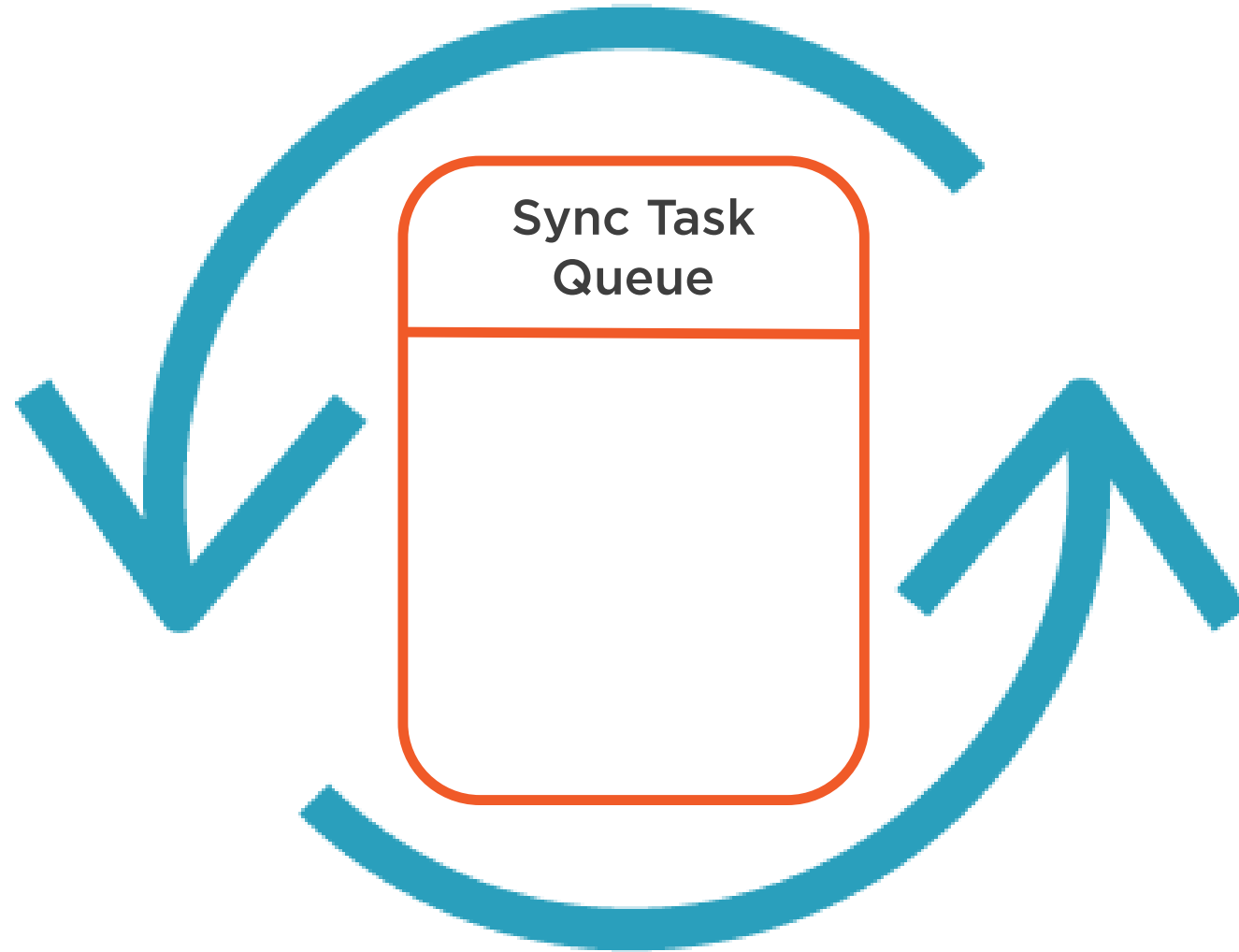
**TestScheduler**



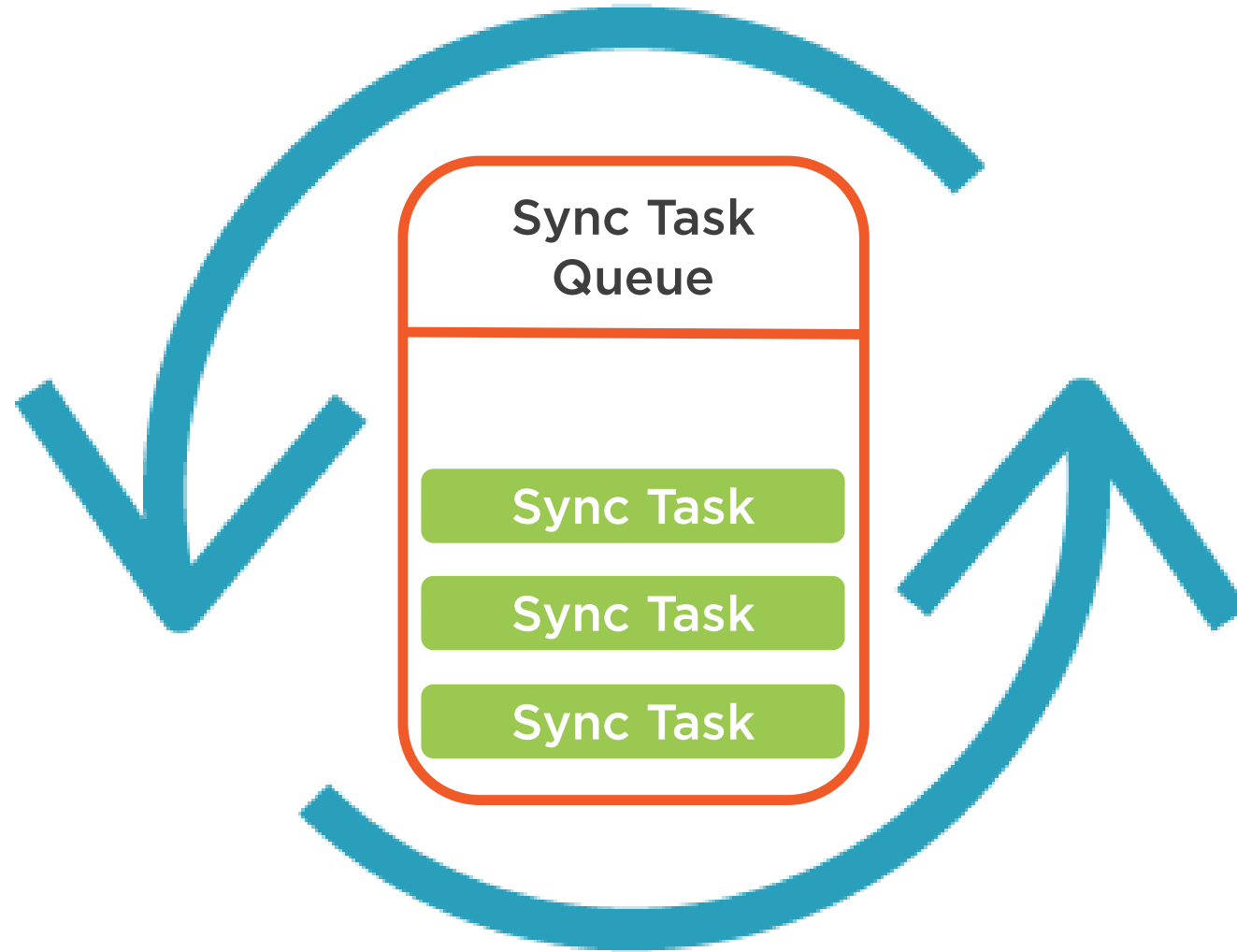
# Understanding Schedulers and the Event Loop



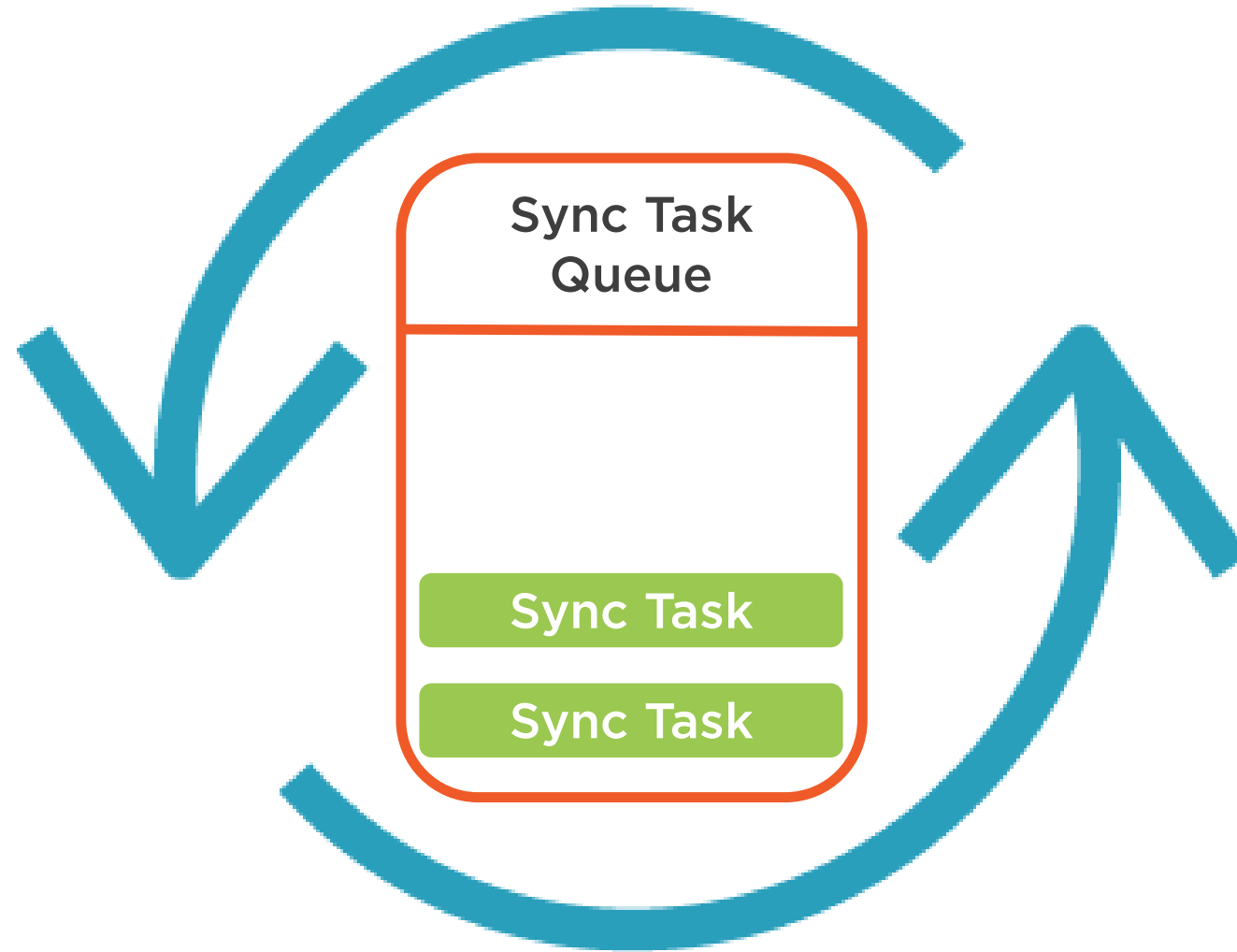
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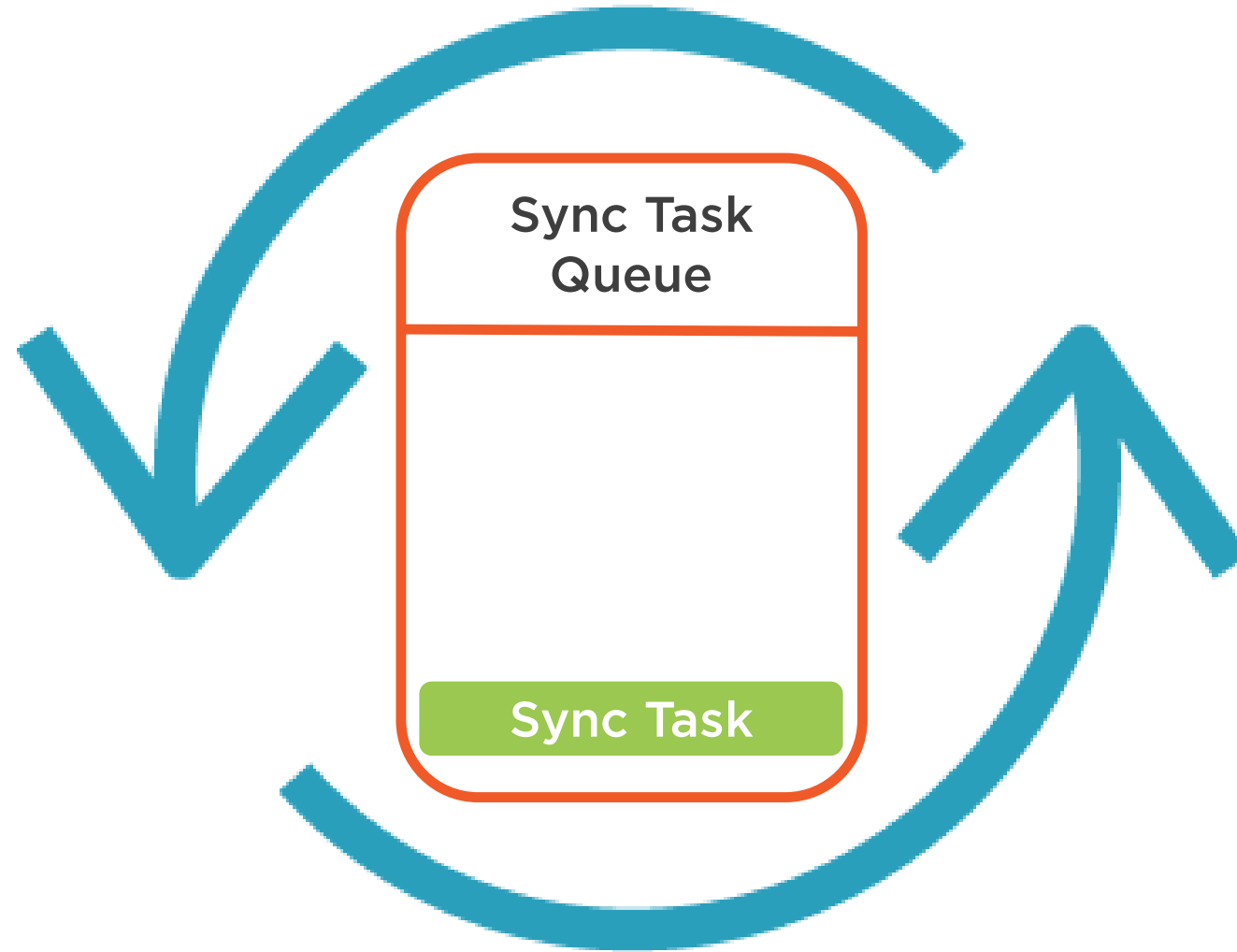
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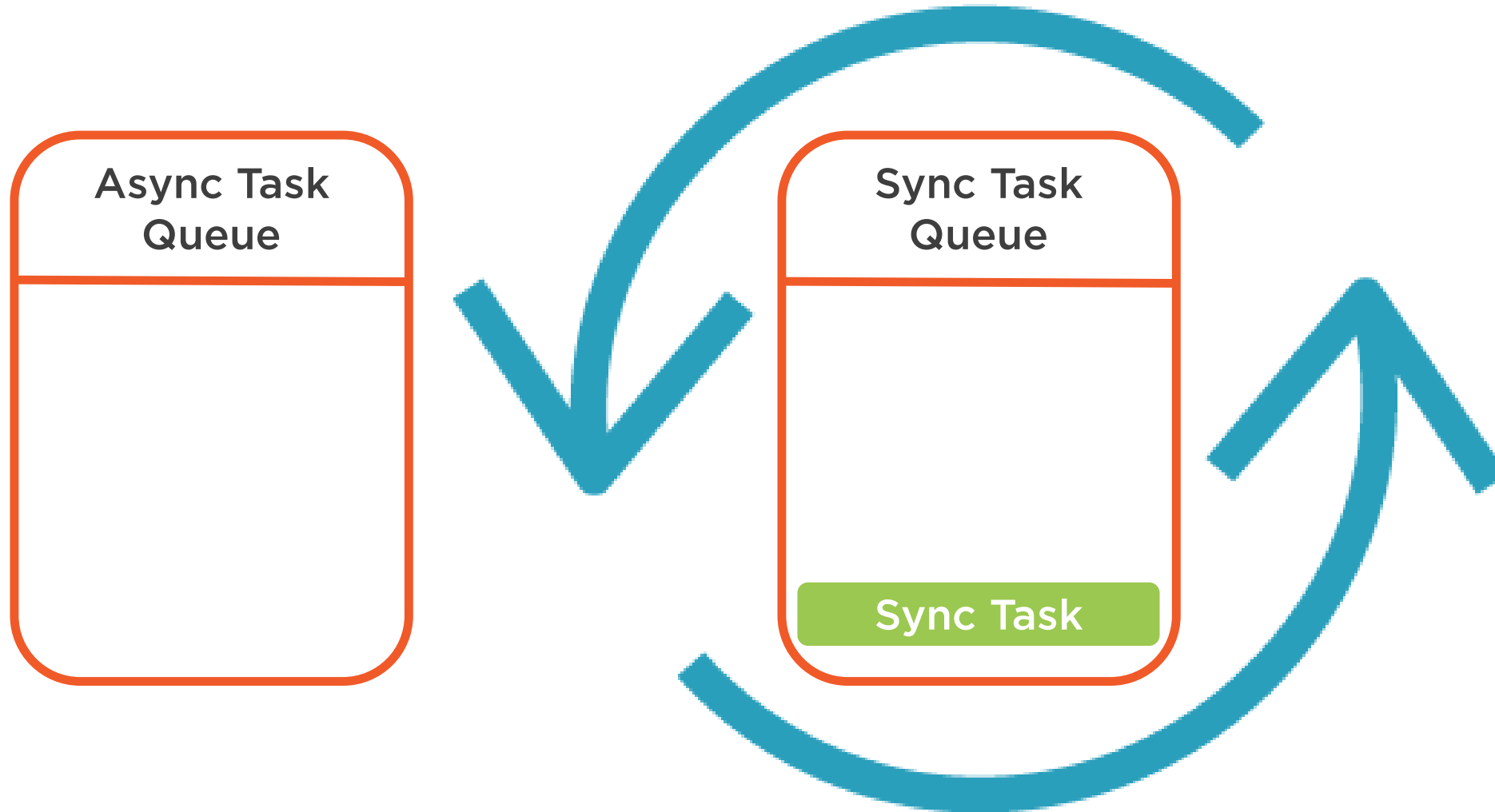
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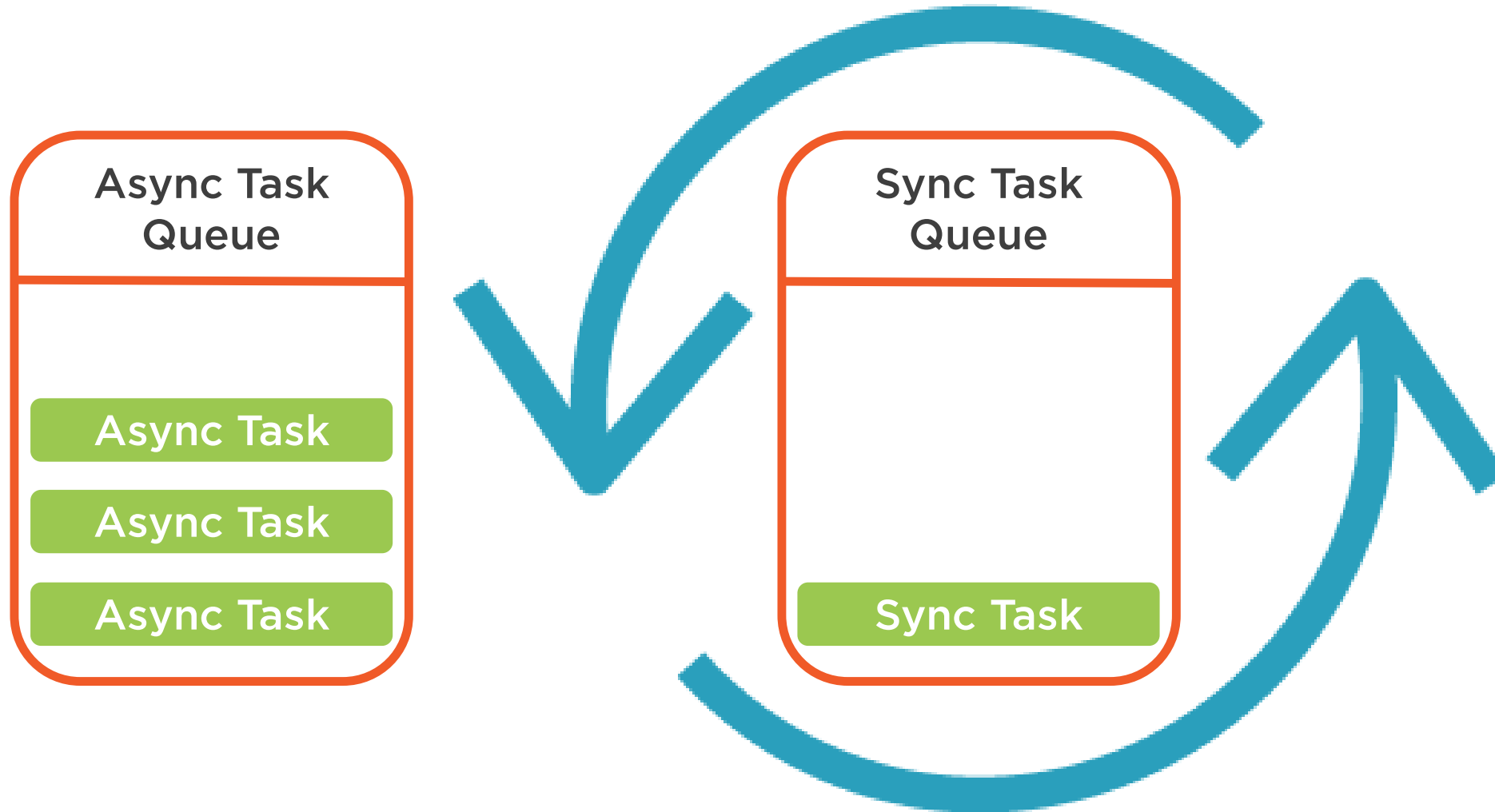


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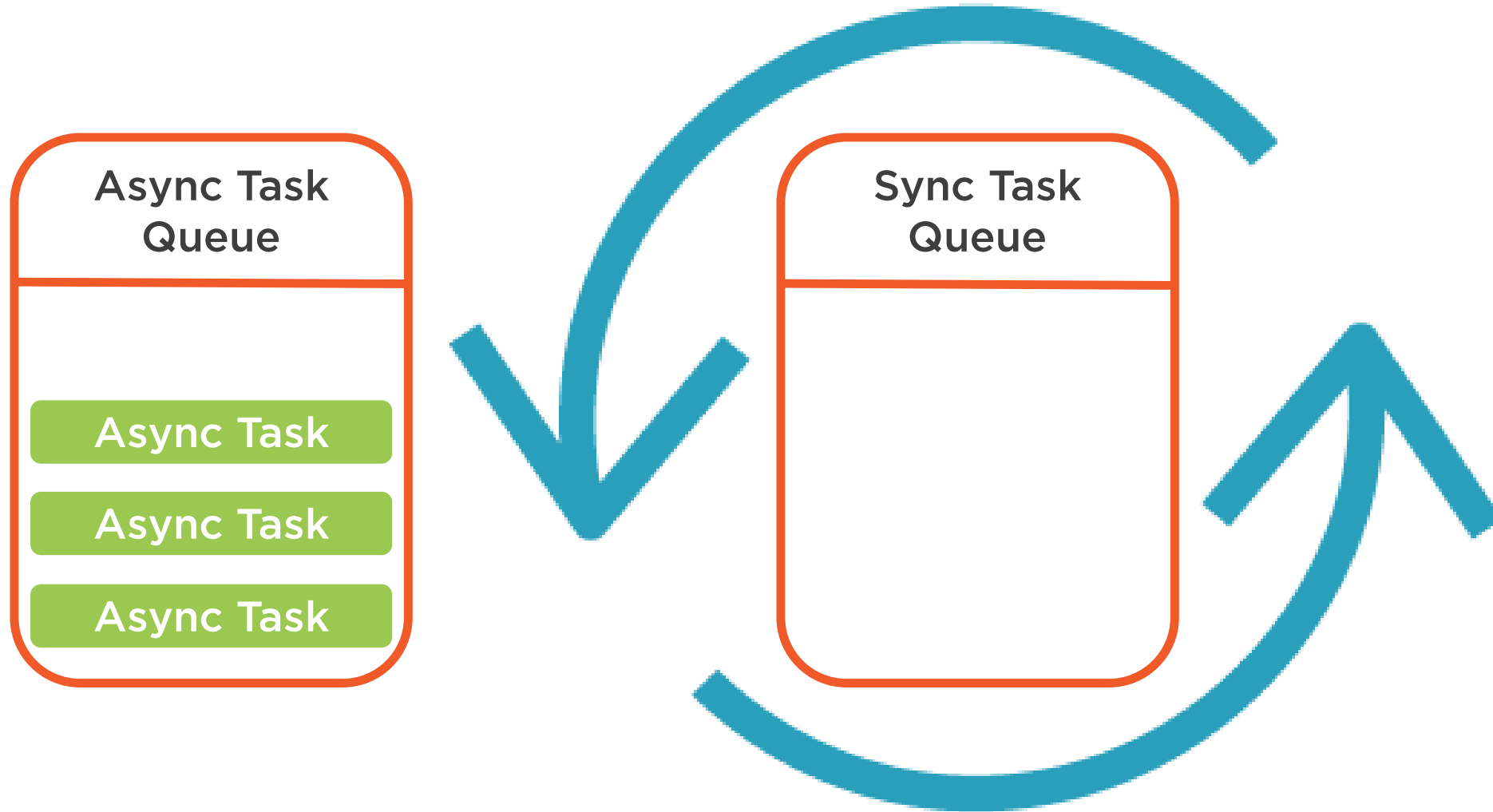




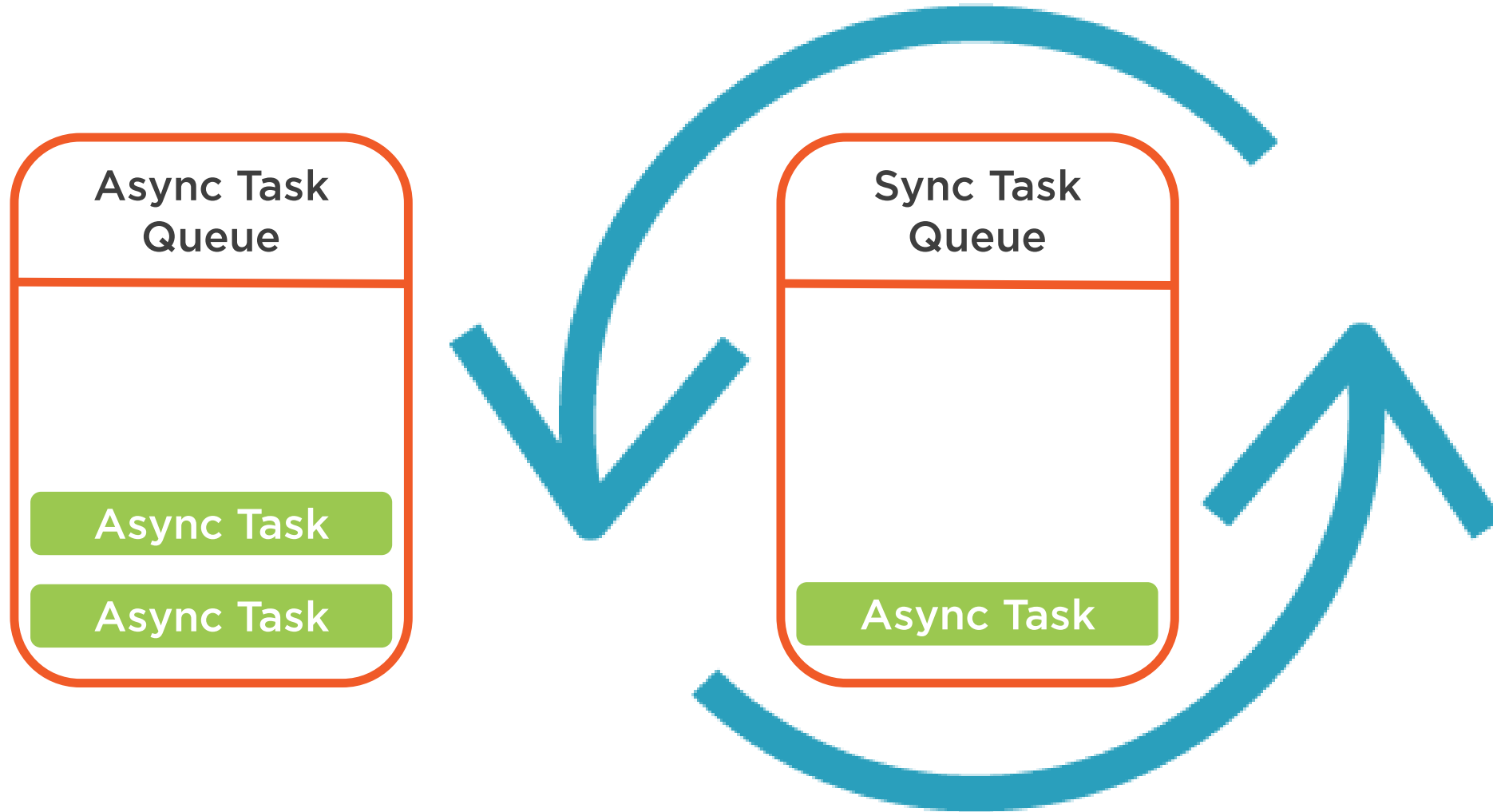
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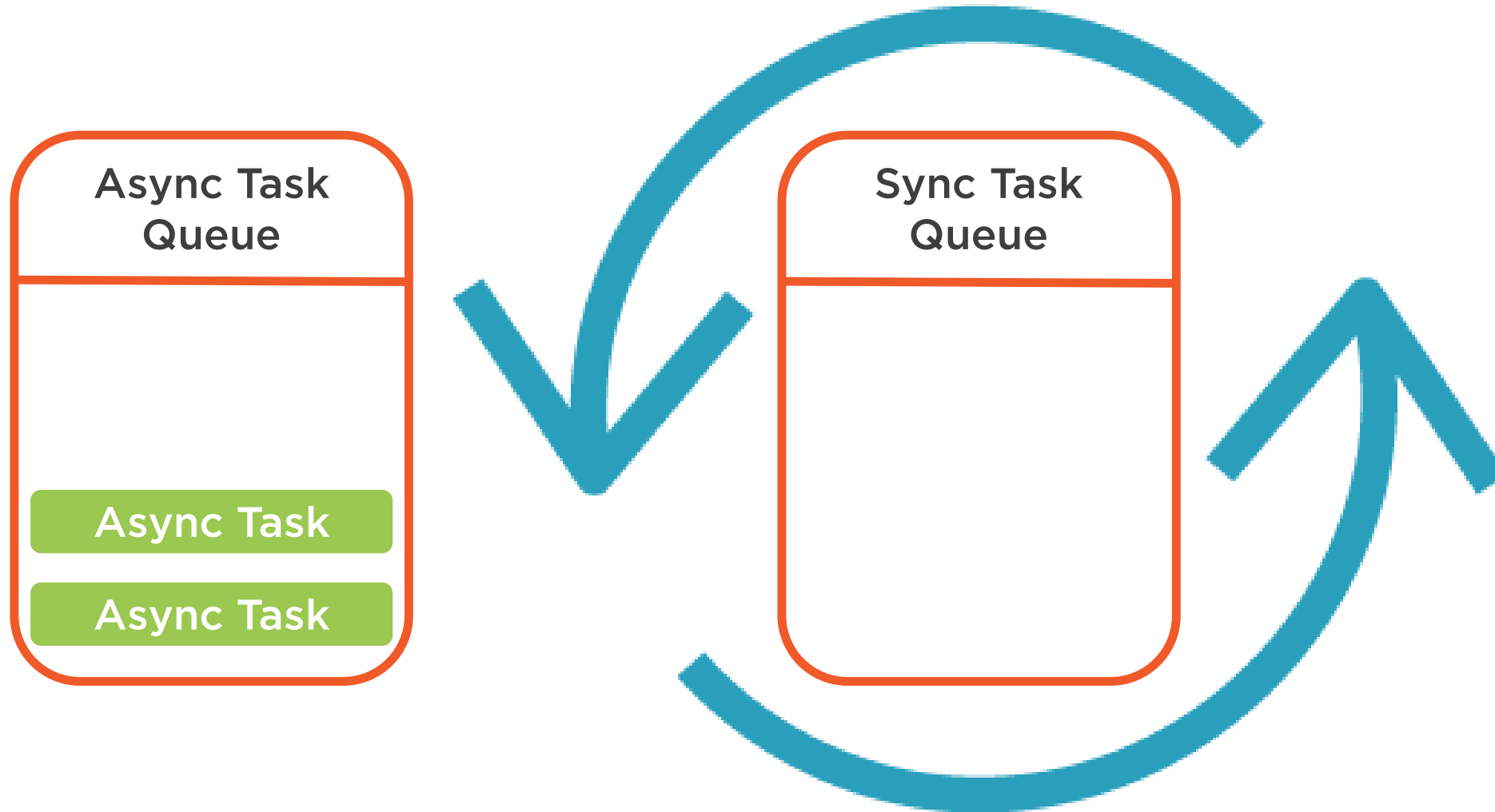
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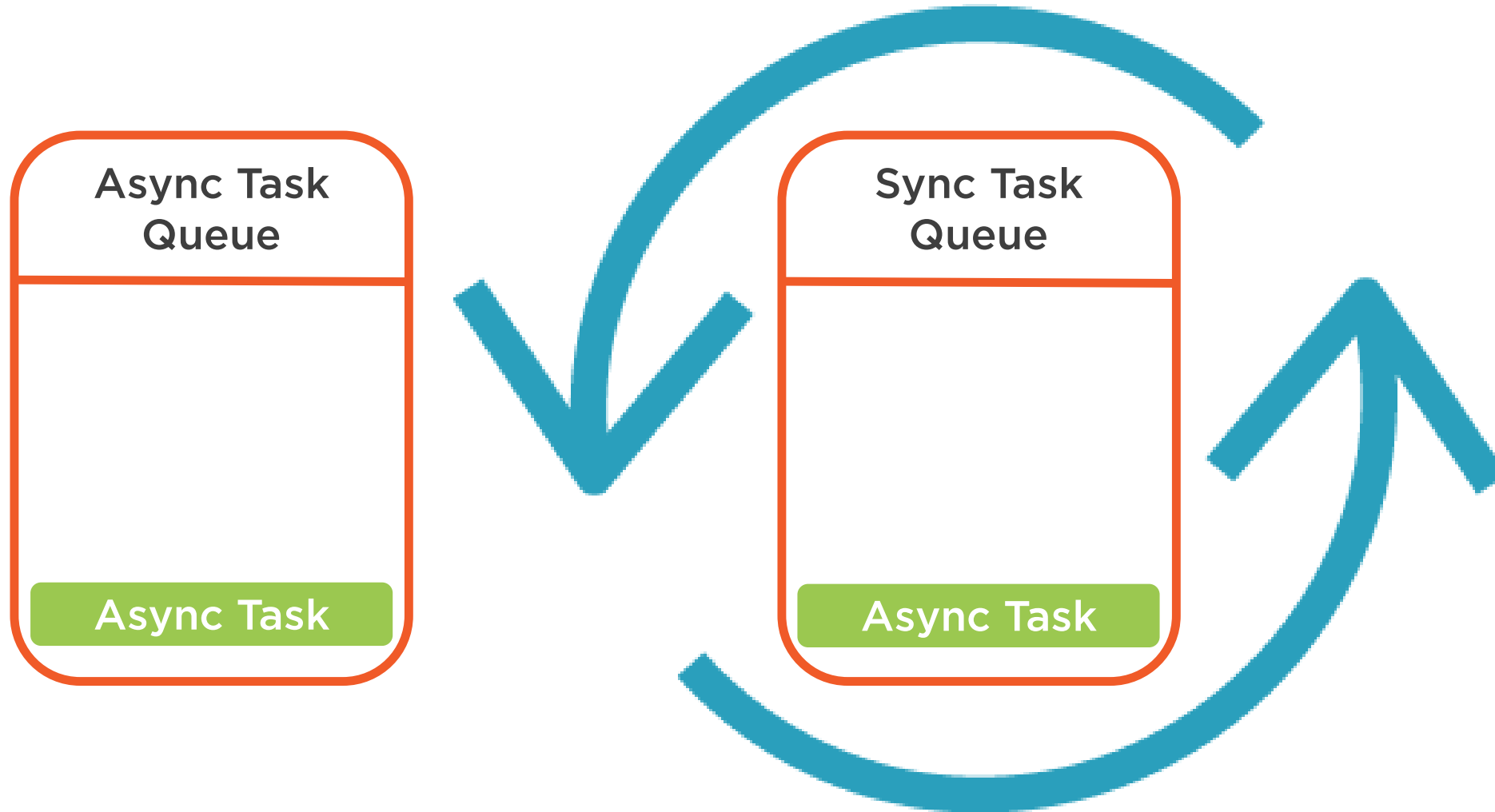
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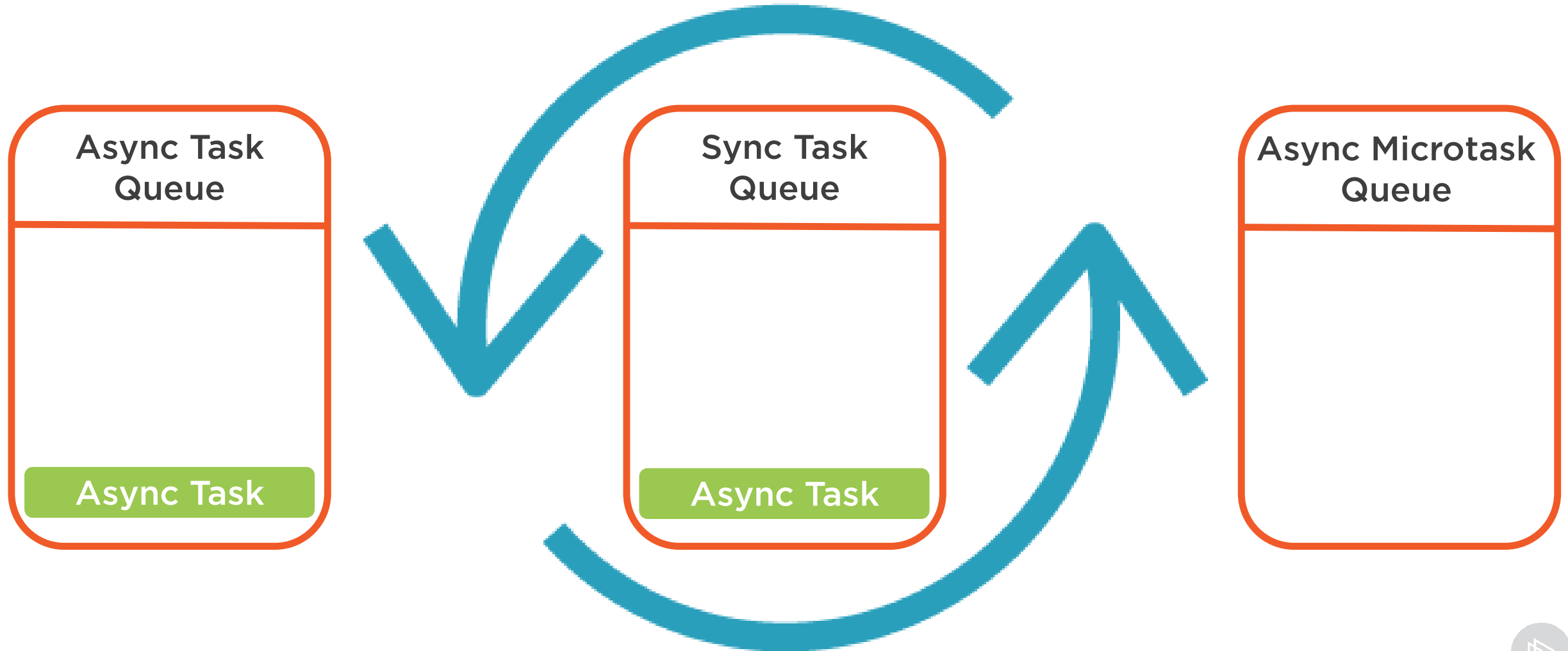
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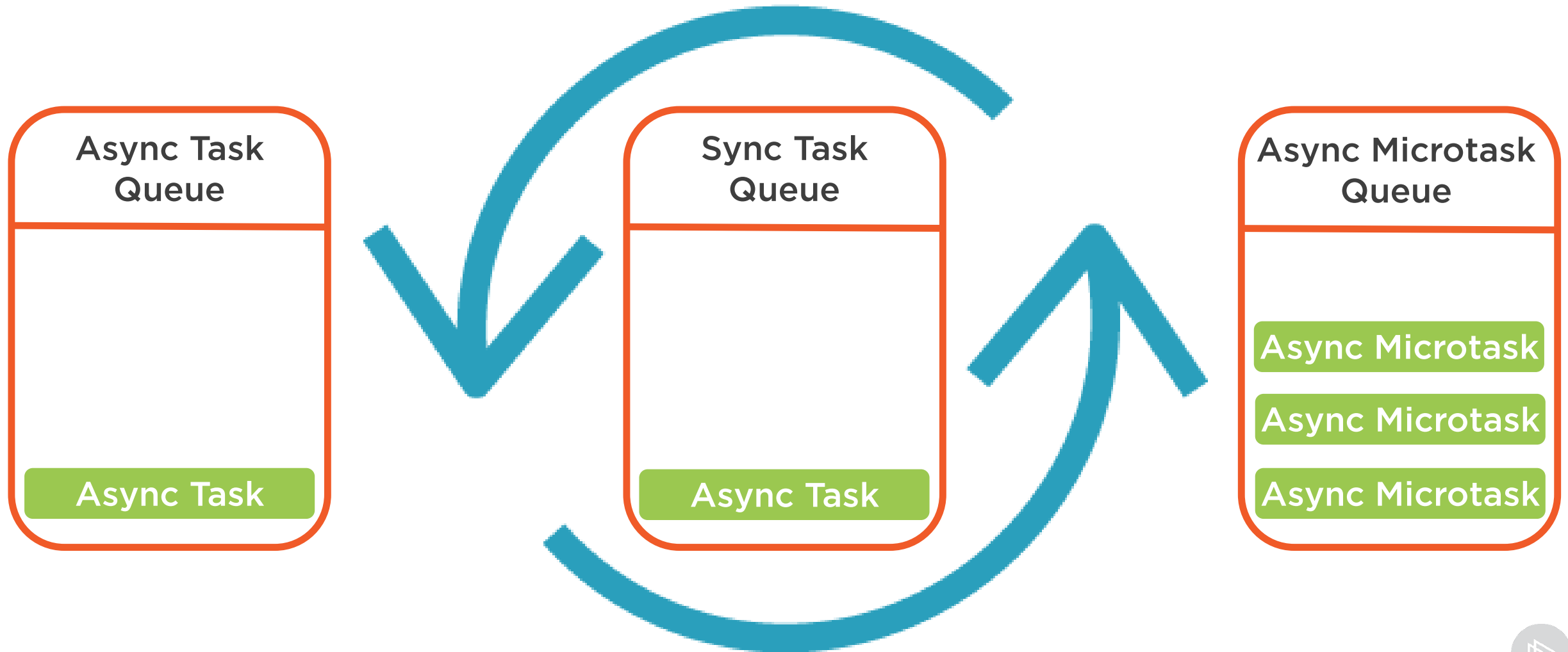
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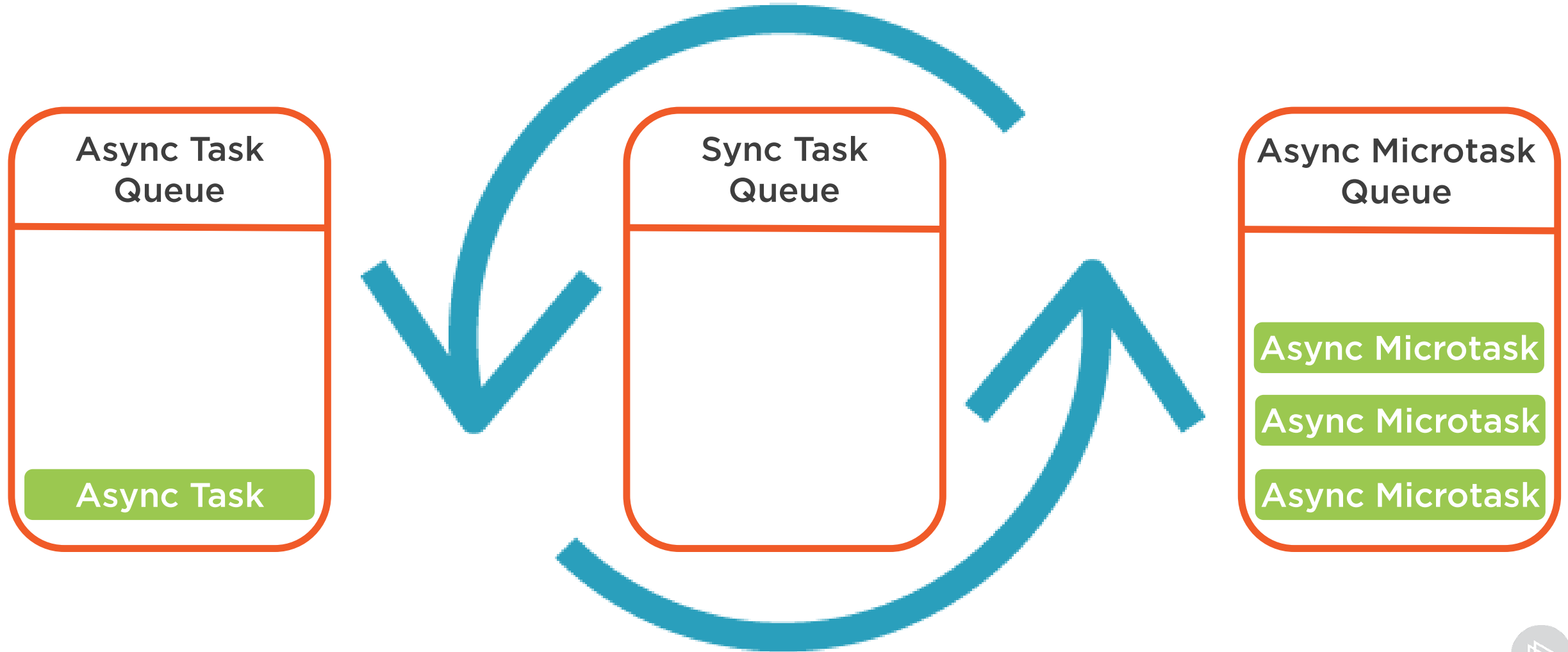
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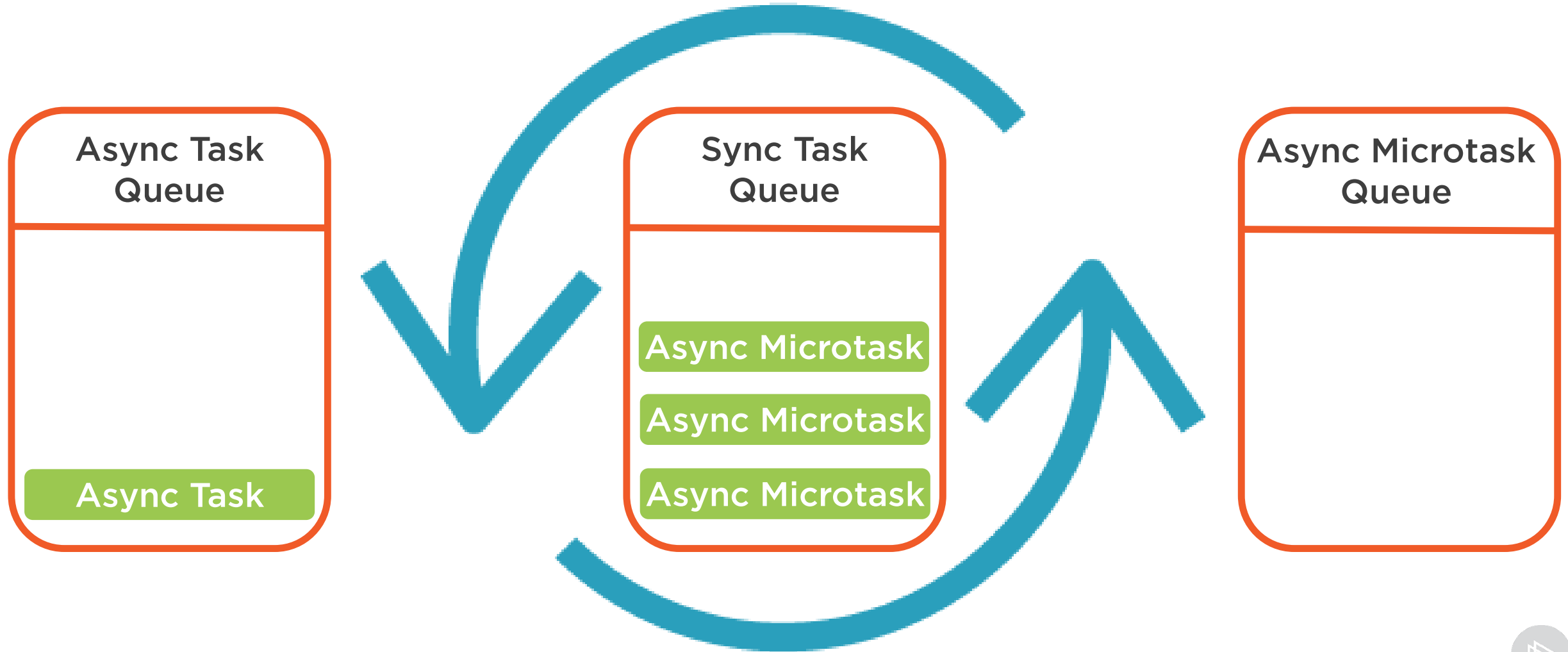


# Understanding Schedulers and the Event Loop





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# Understanding Schedulers and the Event Loop

**Async Task  
Queue**

A diagram of the Async Task Queue. It consists of a rounded rectangle with an orange border. The top portion is a header containing the text "Async Task Queue". The bottom portion is a large, empty rectangular area representing the queue.

**Sync Task  
Queue**

A diagram of the Sync Task Queue. It consists of a rounded rectangle with an orange border. The top portion is a header containing the text "Sync Task Queue". The bottom portion is a large, empty rectangular area representing the queue.

**Async Microtask  
Queue**

A diagram of the Async Microtask Queue. It consists of a rounded rectangle with an orange border. The top portion is a header containing the text "Async Microtask Queue". The bottom portion is a large, empty rectangular area representing the queue.

# Understanding Schedulers and the Event Loop

## queueScheduler

Async Task  
Queue

A diagram of the Async Task Queue, represented as a rounded rectangle with an orange border. It is divided into two sections: a top header section containing the text 'Async Task Queue' and a larger, empty bottom section.

Sync Task  
Queue

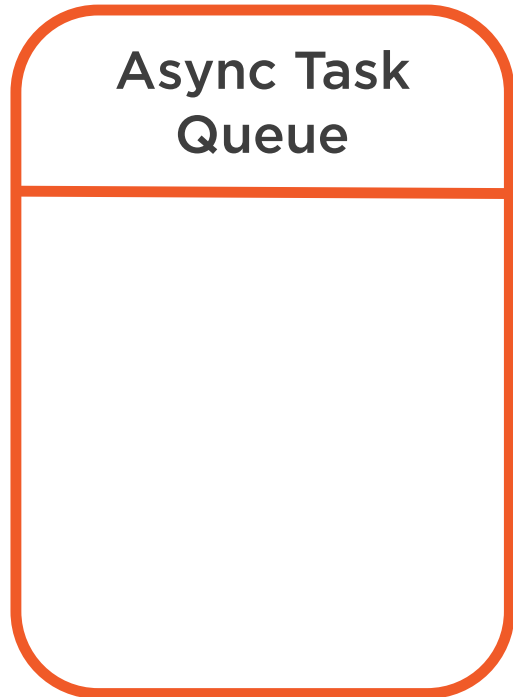
A diagram of the Sync Task Queue, represented as a rounded rectangle with an orange border. It is divided into two sections: a top header section containing the text 'Sync Task Queue' and a larger, empty bottom section.

Async Microtask  
Queue

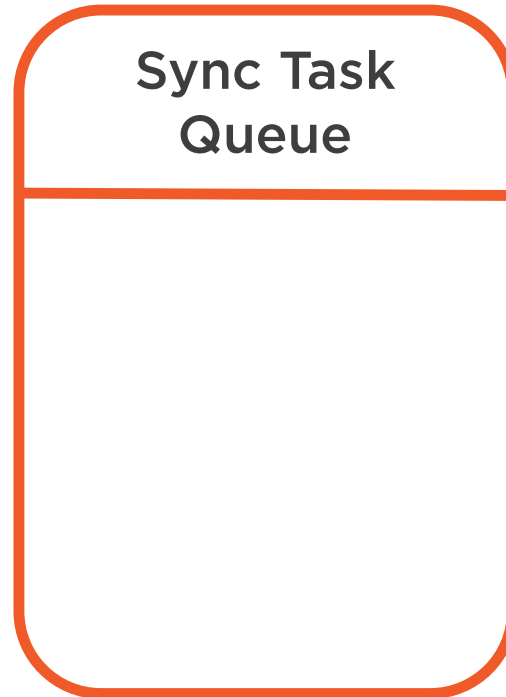
A diagram of the Async Microtask Queue, represented as a rounded rectangle with an orange border. It is divided into two sections: a top header section containing the text 'Async Microtask Queue' and a larger, empty bottom section.

# Understanding Schedulers and the Event Loop

**asyncScheduler**

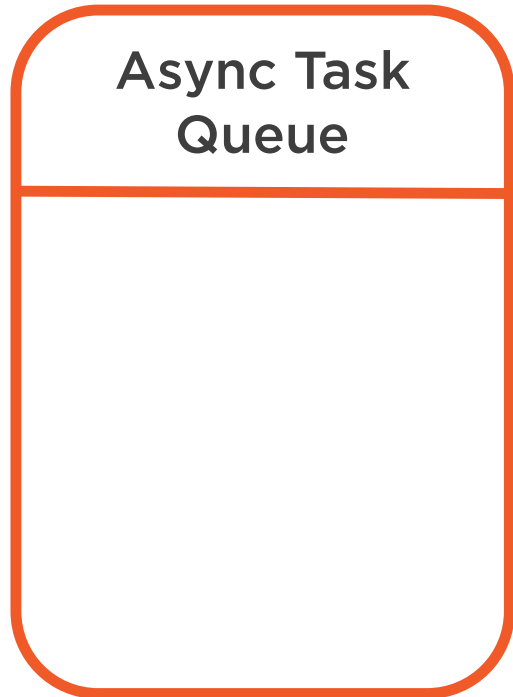


**queueScheduler**

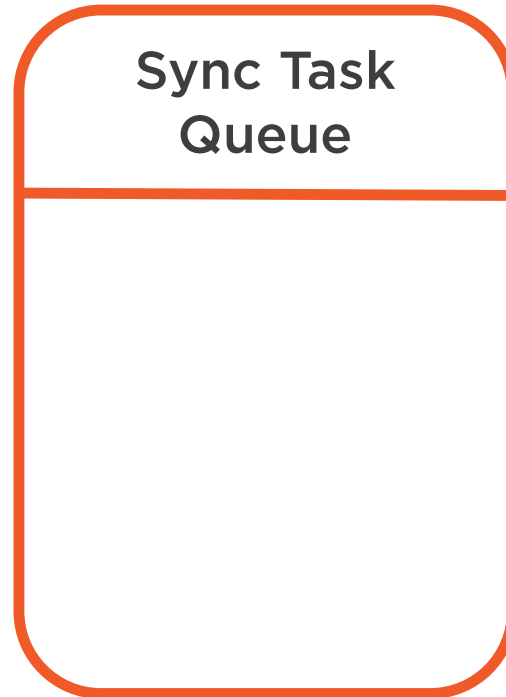


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**asyncScheduler**



**queueScheduler**



**asapScheduler**

