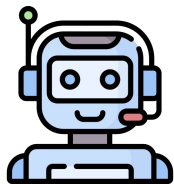


# Choosing Partition



Producer

Partition 0

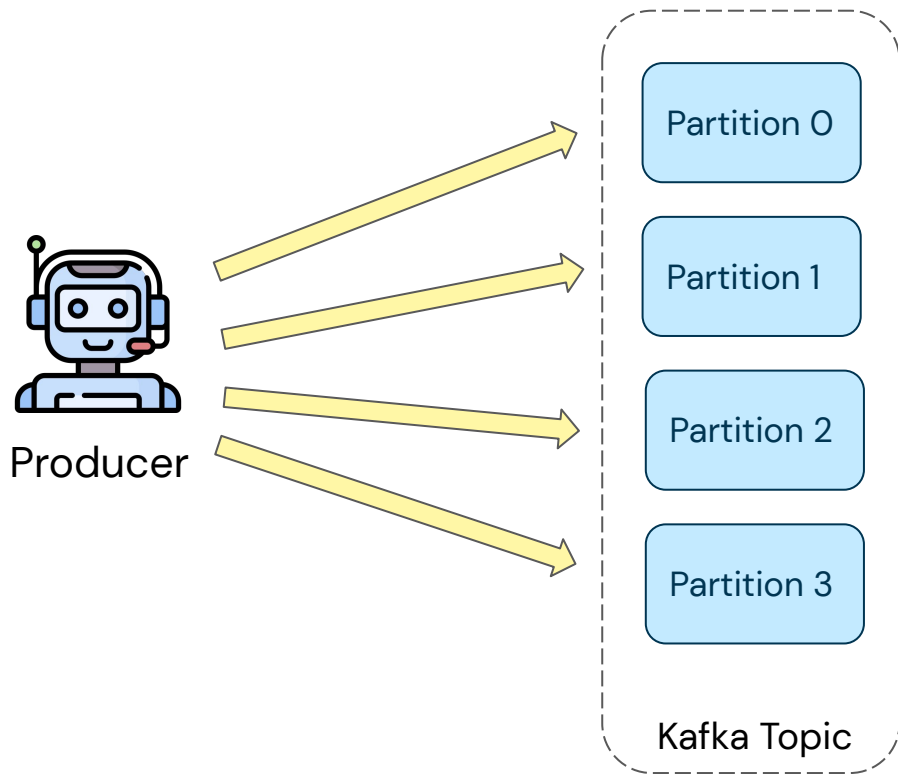
Partition 1

Partition 2

Partition 3

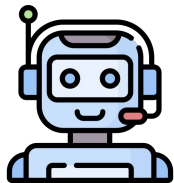
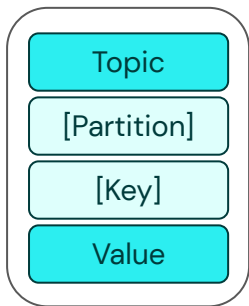
Kafka Topic

# Choosing Partition

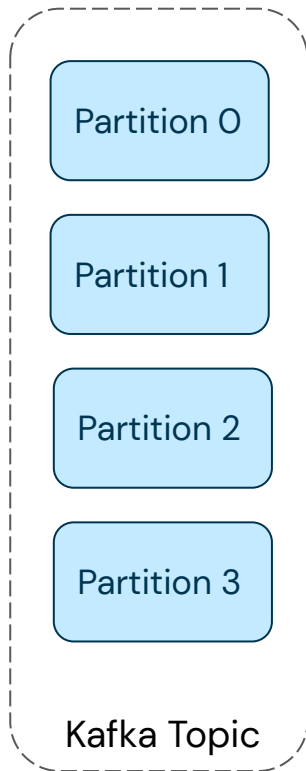


# Choosing Partition

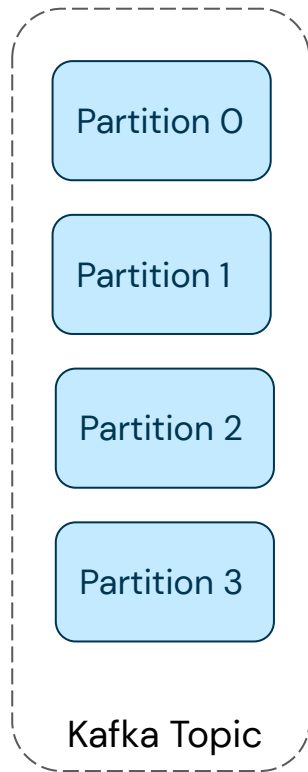
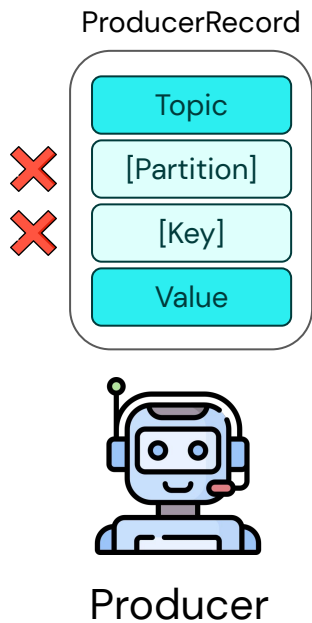
ProducerRecord



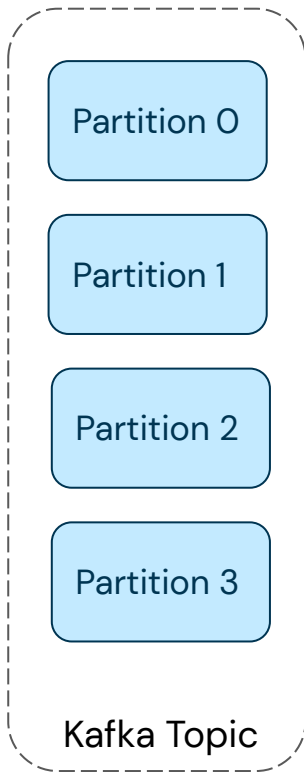
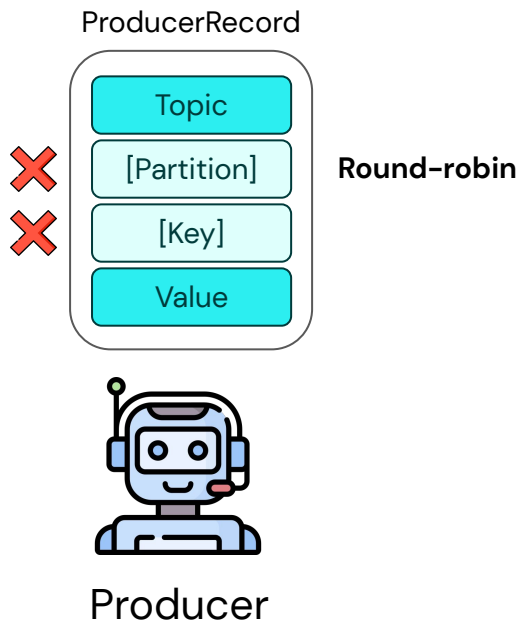
Producer



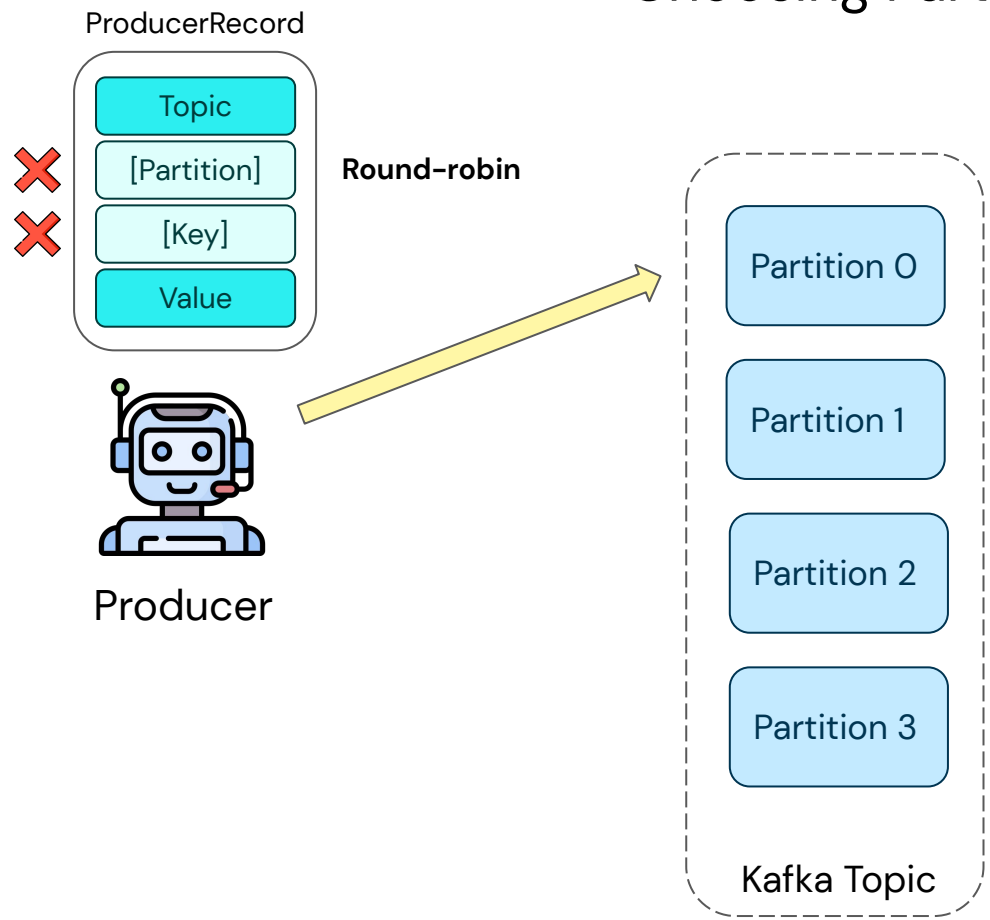
# Choosing Partition



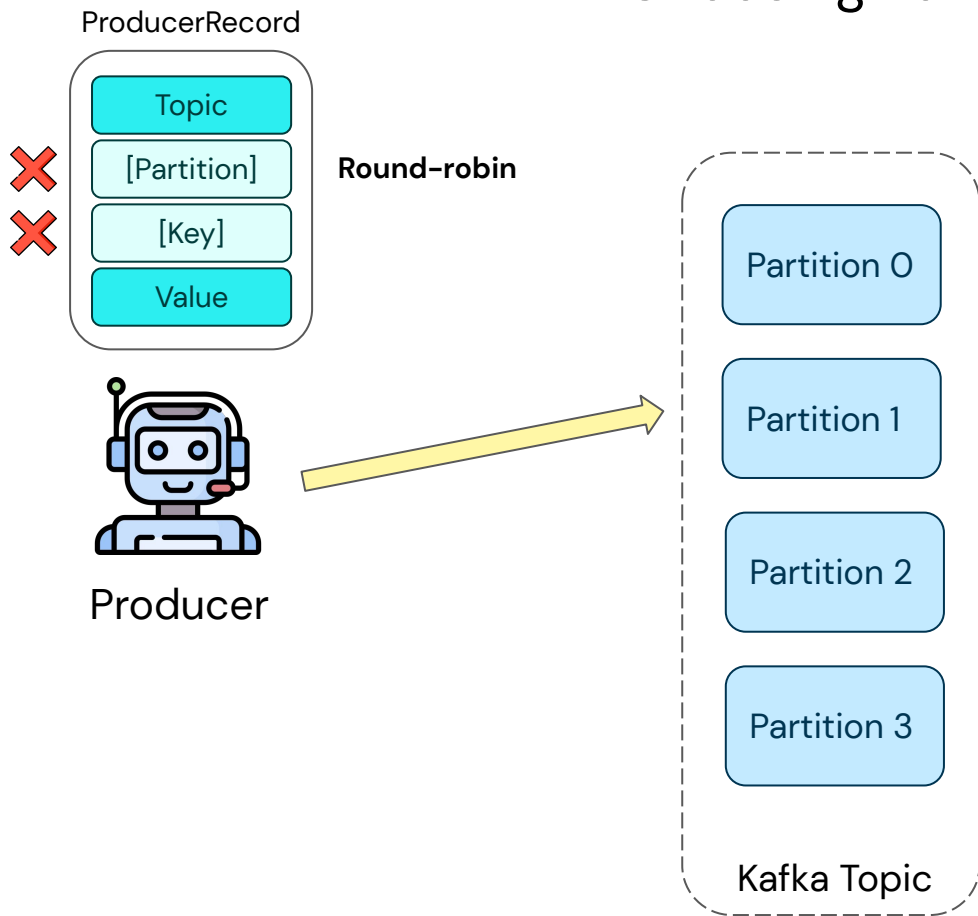
# Choosing Partition



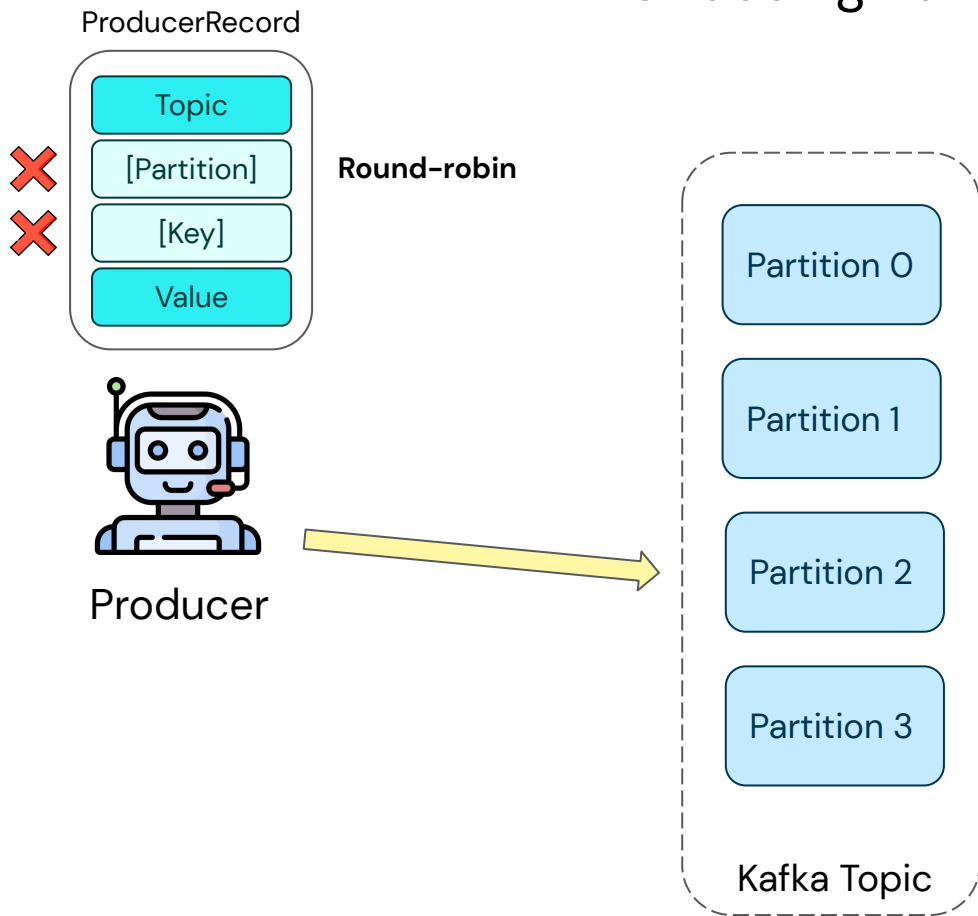
# Choosing Partition



# Choosing Partition

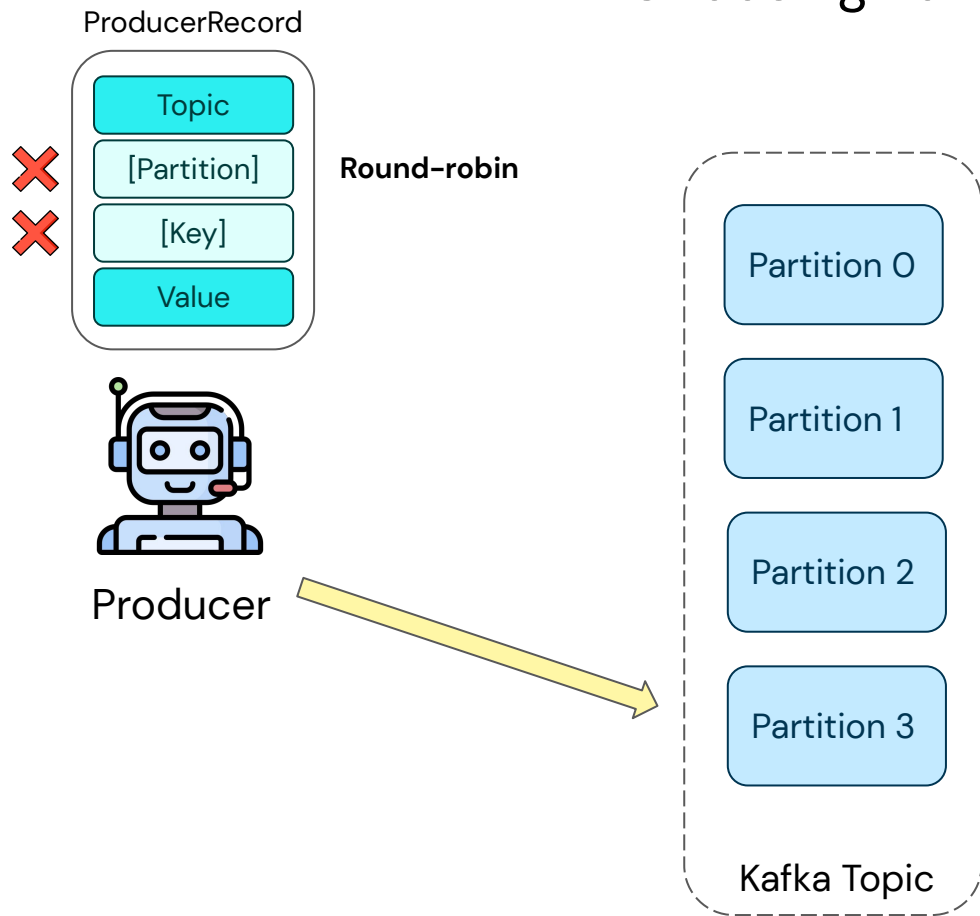


# Choosing Partition

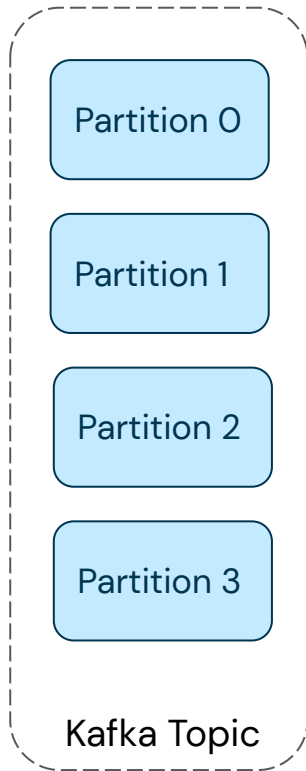
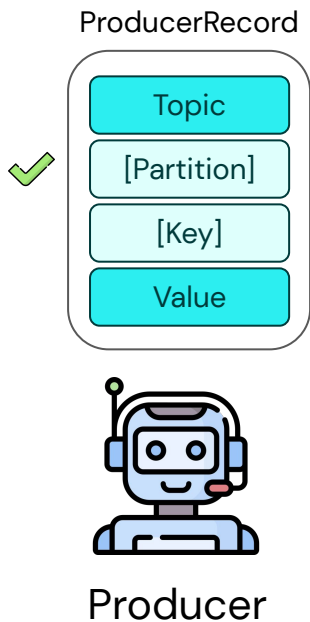




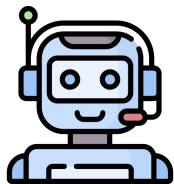
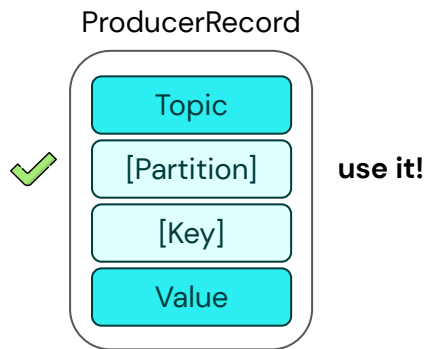
# Choosing Partition



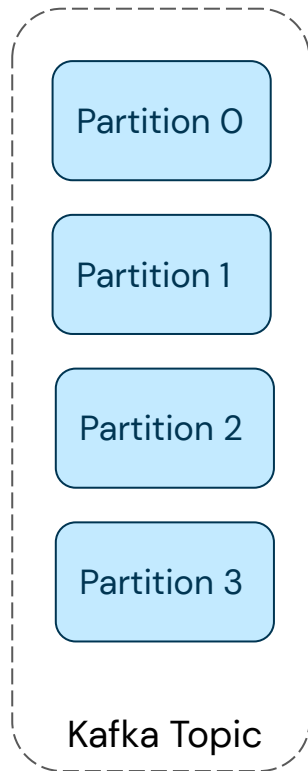
# Choosing Partition



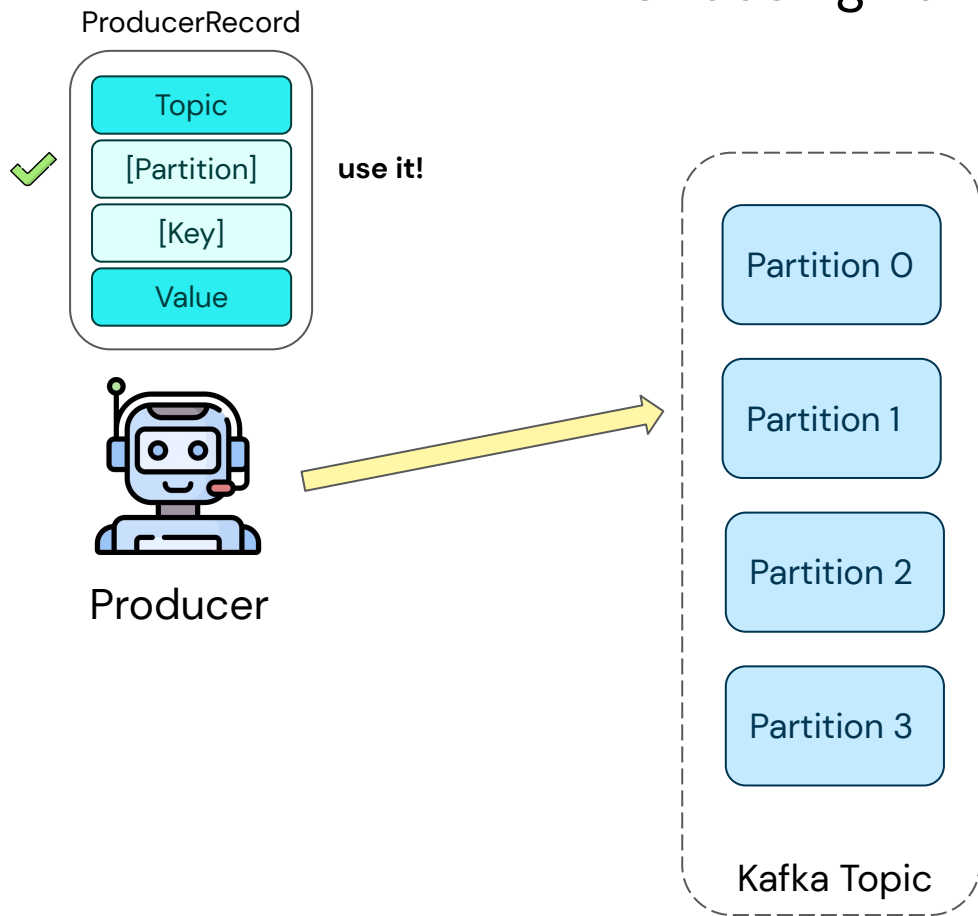
# Choosing Partition



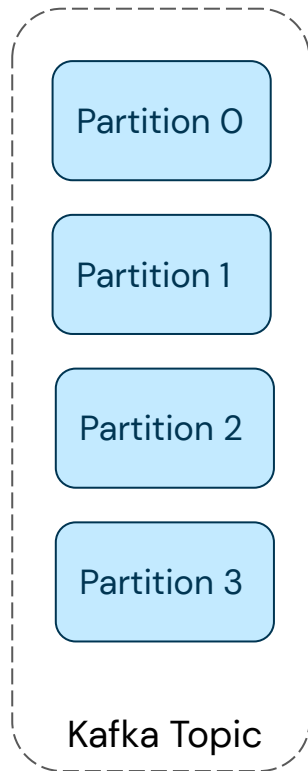
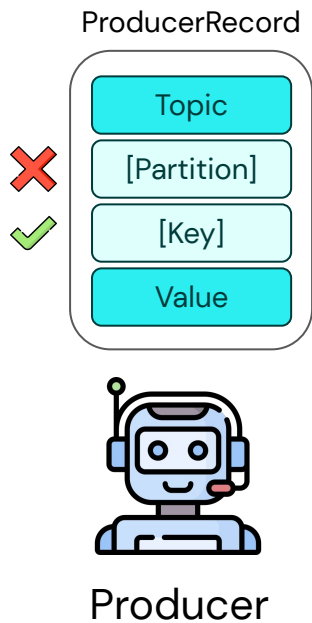
Producer



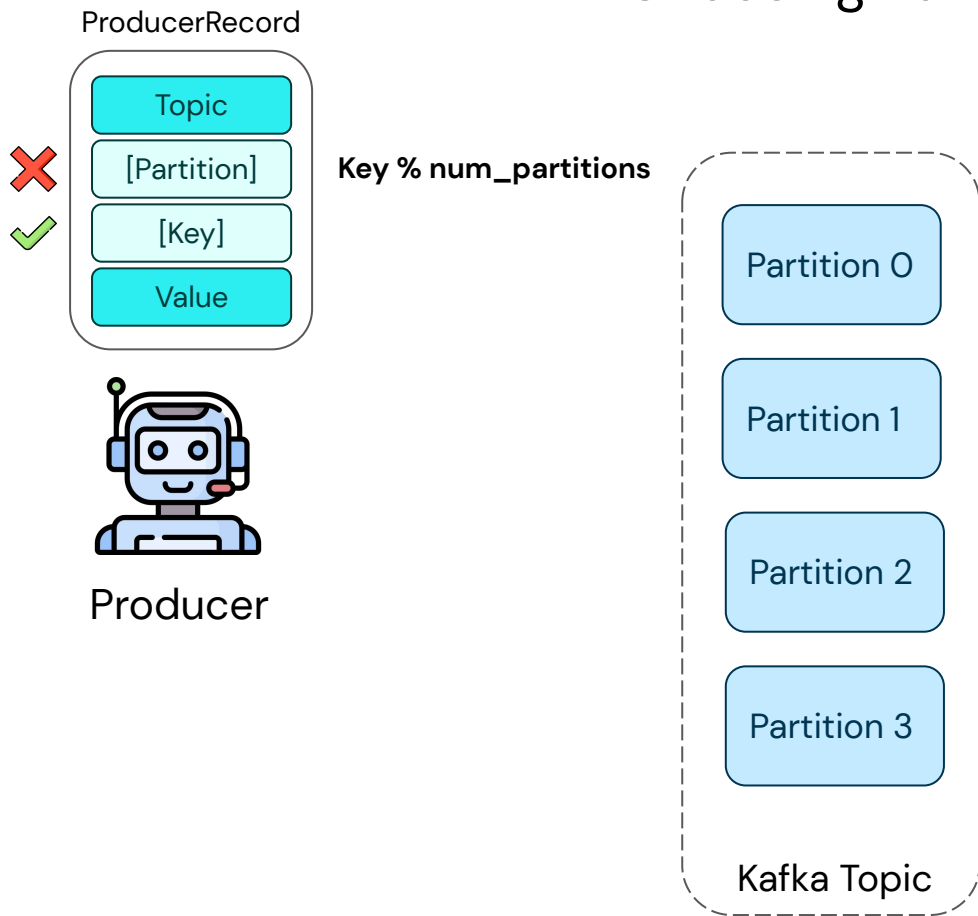
# Choosing Partition



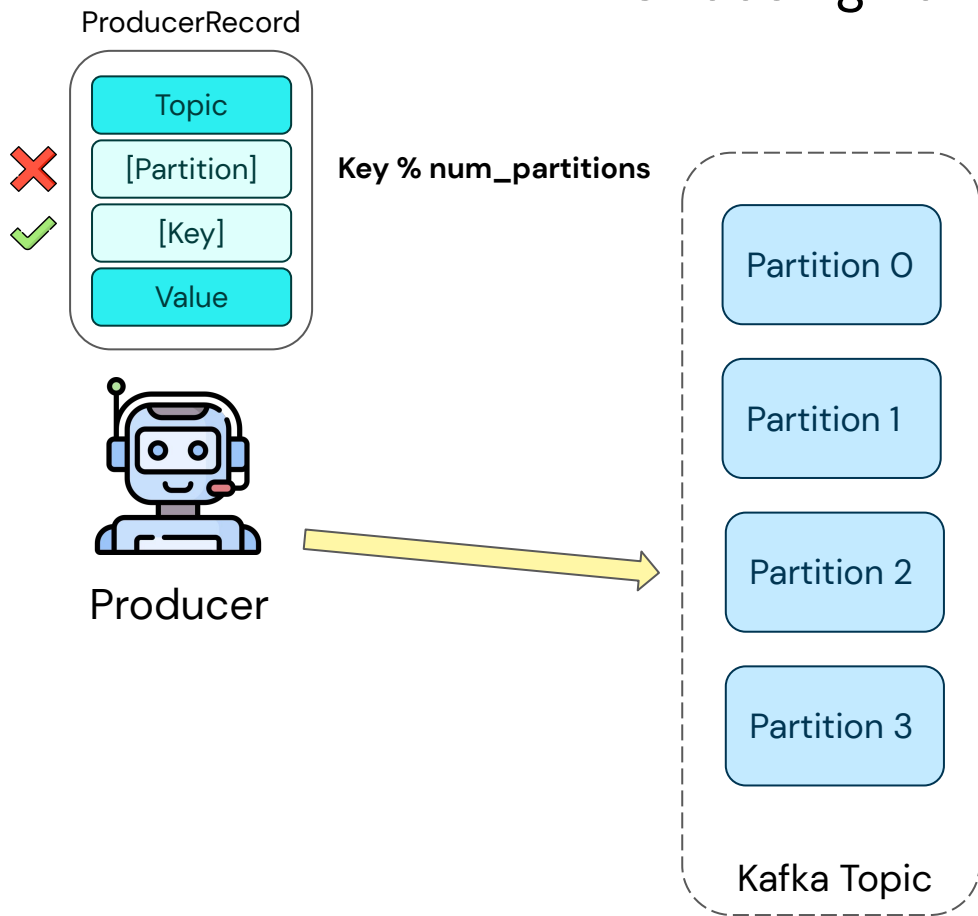
# Choosing Partition



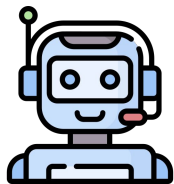
# Choosing Partition



# Choosing Partition



# Processing Order



Producer

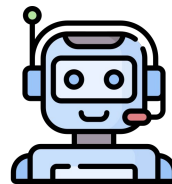
Partition 0

Partition 1

Partition 2

Partition 3

Kafka Topic



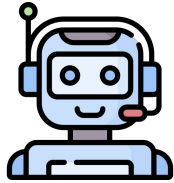
Consumer



# Processing Order



1



Producer

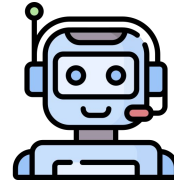
Partition 0

Partition 1

Partition 2

Partition 3

Kafka Topic



Consumer

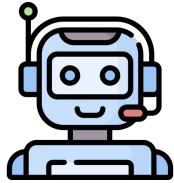


1



2

# Processing Order



Producer

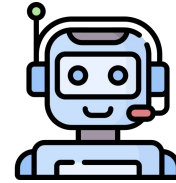
Partition 0

Partition 1

Partition 2

Partition 3

Kafka Topic



Consumer

# Processing Order



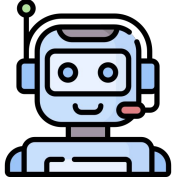
1



2



1



Producer

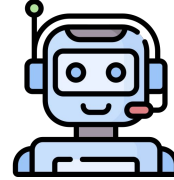
Partition 0

Partition 1

Partition 2

Partition 3

Kafka Topic



Consumer

# Processing Order



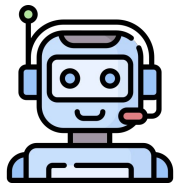
1



2



1



Producer

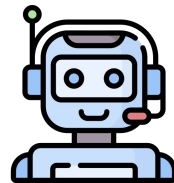
Partition 0

Partition 1

Partition 2

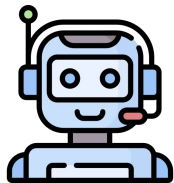
Partition 3

Kafka Topic



Consumer

# Processing Order



Producer

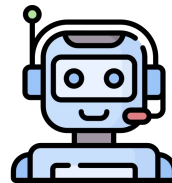
Partition 0

Partition 1

Partition 2

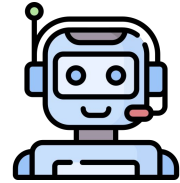
Partition 3

Kafka Topic



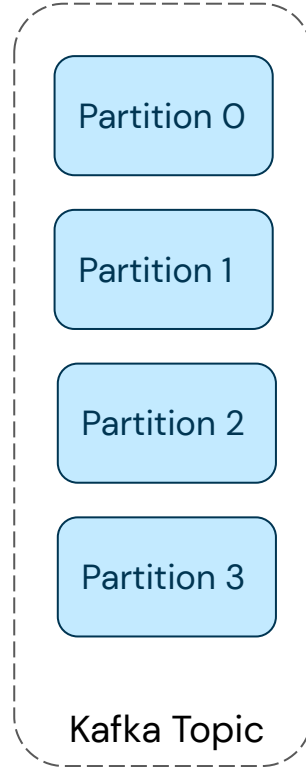
Consumer

# Processing Order

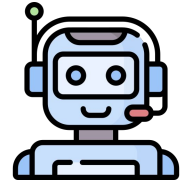


Producer

## Partition Order

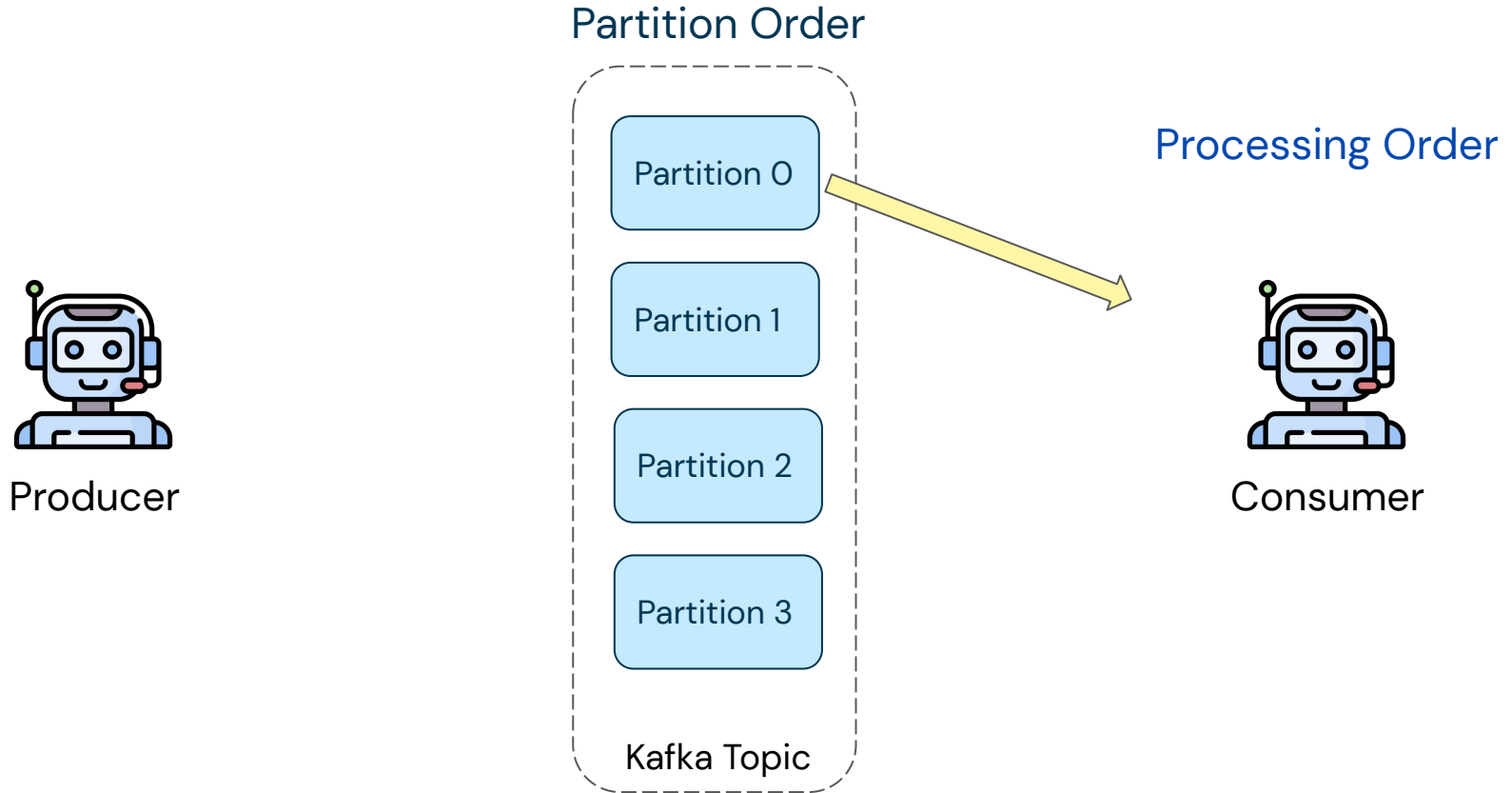


## Processing Order

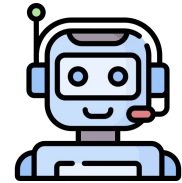


Consumer

# Processing Order



# Processing Order



Producer

## Partition Order

1  
2  
3

Partition 0

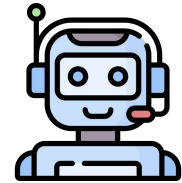
Partition 1

Partition 2

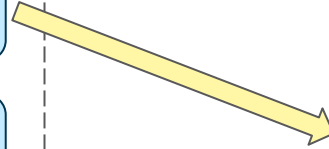
Partition 3

Kafka Topic

## Processing Order

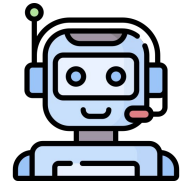


Consumer





# Processing Order



Producer

## Partition Order

1  
2  
3

Partition 0

Partition 1

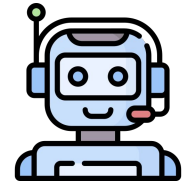
Partition 2

Partition 3

Kafka Topic

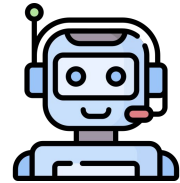
## Processing Order

1  
2  
3



Consumer

# Processing Order



Producer

## Partition Order

1  
2  
3

Partition 0

Partition 1

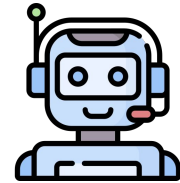
Partition 2

Partition 3

Kafka Topic

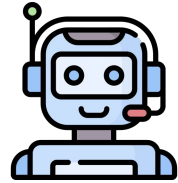
## Processing Order

1  
2  
3



Consumer

# Processing Order



Producer

## Partition Order

1  
2  
3  
4  
5  
6

Partition 0

Partition 1

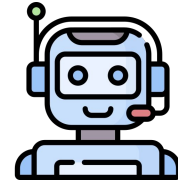
Partition 2

Partition 3

Kafka Topic

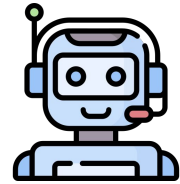
## Processing Order

1  
2  
3



Consumer

# Processing Order



Producer

Partition Order

1  
2  
3  
4  
5  
6

Partition 0

Partition 1

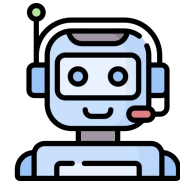
Partition 2

Partition 3

Kafka Topic

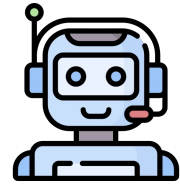
Processing Order

1  
4  
2  
3  
5  
6



Consumer

# Processing Order



Producer

Partition Order

1  
2  
3  
4  
5  
6

Partition 0

Partition 1

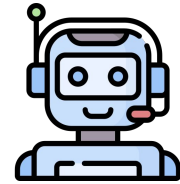
Partition 2

Partition 3

Kafka Topic

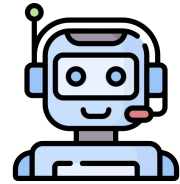
Processing Order

1  
4  
2  
3  
5  
6



Consumer

# Processing Order



Producer

Partition Order

1  
2  
3  
4  
5  
6

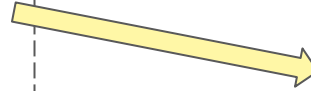
Partition 0

Partition 1

Partition 2

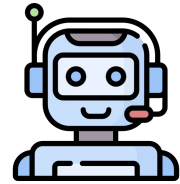
Partition 3

Kafka Topic



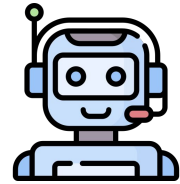
Processing Order

1  
4  
2  
3  
5  
6



Consumer

# Processing Order



Producer

Partition Order

1  
2  
3  
4  
5  
6

Partition 0

Partition 1

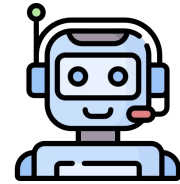
Partition 2

Partition 3

Kafka Topic

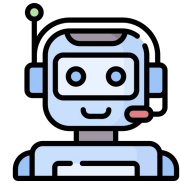
Processing Order

1  
4  
2  
3  
5  
6



Consumer

# Processing Order



Producer

Partition Order

1  
2  
3  
4  
5  
6

Partition 0

Partition 1

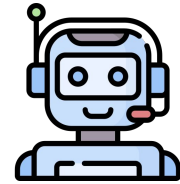
Partition 2

Partition 3

Kafka Topic

Processing Order

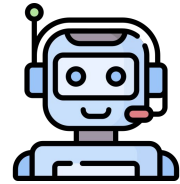
1  
4  
2  
3  
5  
6



Consumer



# Processing Order



Producer

Partition Order

1  
2  
3  
4  
5  
6

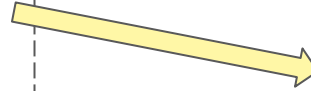
Partition 0

Partition 1

Partition 2

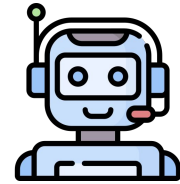
Partition 3

Kafka Topic



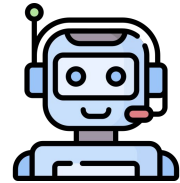
Processing Order

1  
4  
2  
3  
5  
6



Consumer

# Processing Order



Producer

Partition Order

1  
2  
3  
4  
5  
6

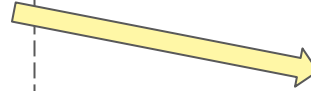
Partition 0

Partition 1

Partition 2

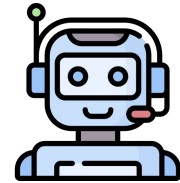
Partition 3

Kafka Topic



Processing Order

1  
4  
2  
3  
5  
6



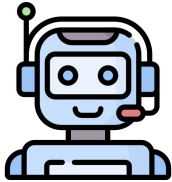
Consumer



1



2



Producer

# Processing Order

## Partition Order

1  
2  
3  
4  
5  
6

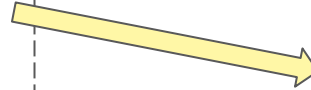
Partition 0

Partition 1

Partition 2

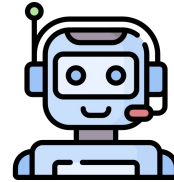
Partition 3

Kafka Topic



## Processing Order

1  
4  
2  
3  
5  
6



Consumer



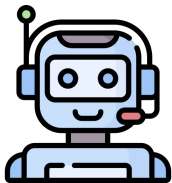
1



2

[Partition]

Key % num\_partitions



Producer

# Processing Order

## Partition Order

1  
2  
3  
4  
5  
6

Partition 0

Partition 1

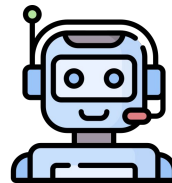
Partition 2

Partition 3

Kafka Topic

## Processing Order

1  
4  
2  
3  
5  
6



Consumer



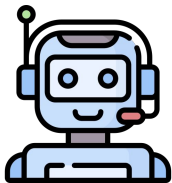
1



2

[Partition]

Key % num\_partitions



Producer

# Processing Order

## Partition Order

1  
2  
3  
4  
5  
6

Partition 0

Partition 1

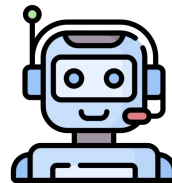
Partition 2

Partition 3

Kafka Topic

## Processing Order

1  
4  
2  
3  
5  
6



Consumer



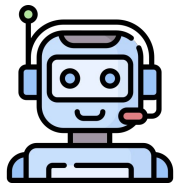
1



2

[Partition]

Key % num\_partitions



Producer

# Processing Order

## Partition Order

1  
2  
3  
4  
5  
6

Partition 0

Partition 1

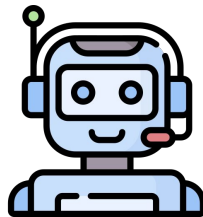
Partition 2

Partition 3

Kafka Topic

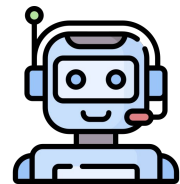
## Processing Order

1  
4  
2  
3  
5  
6

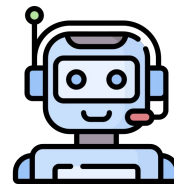
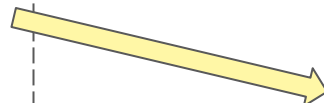
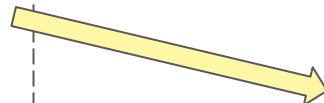
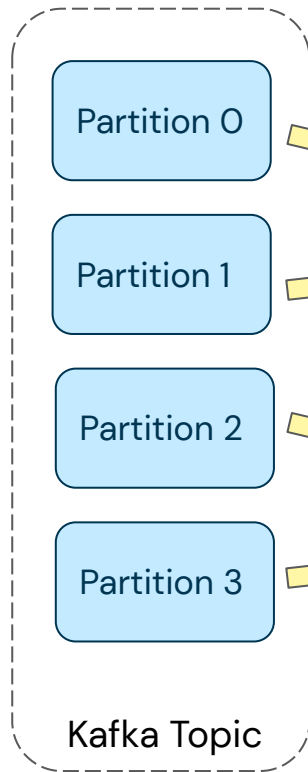


Consumer

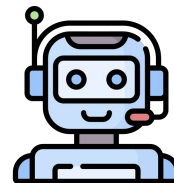
# Processing Order



Producer

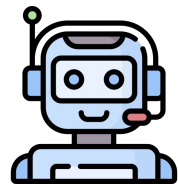


Consumer Thread #1

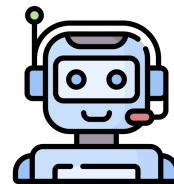
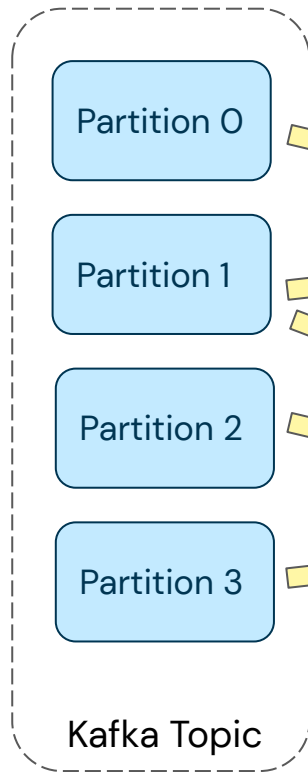


Consumer Thread #2

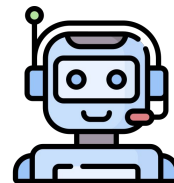
# Processing Order



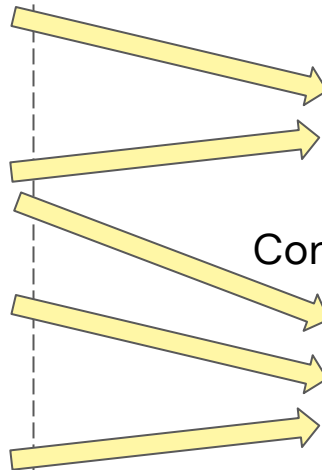
Producer



Consumer Thread #1

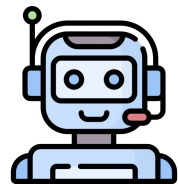


Consumer Thread #2

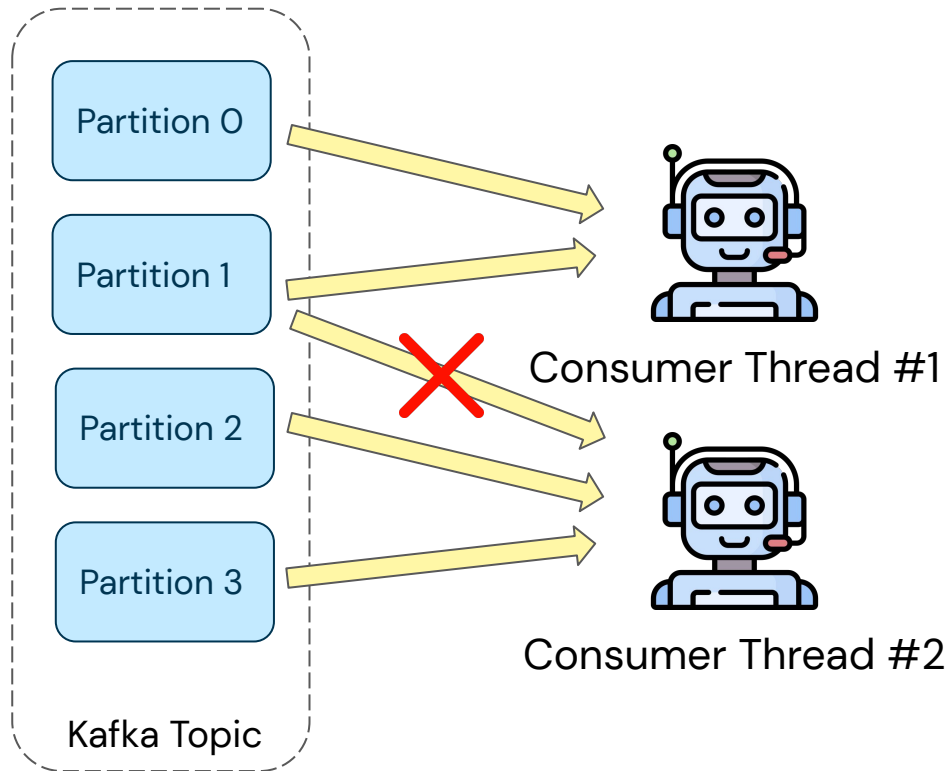




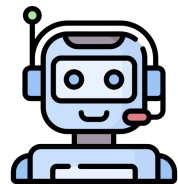
# Processing Order



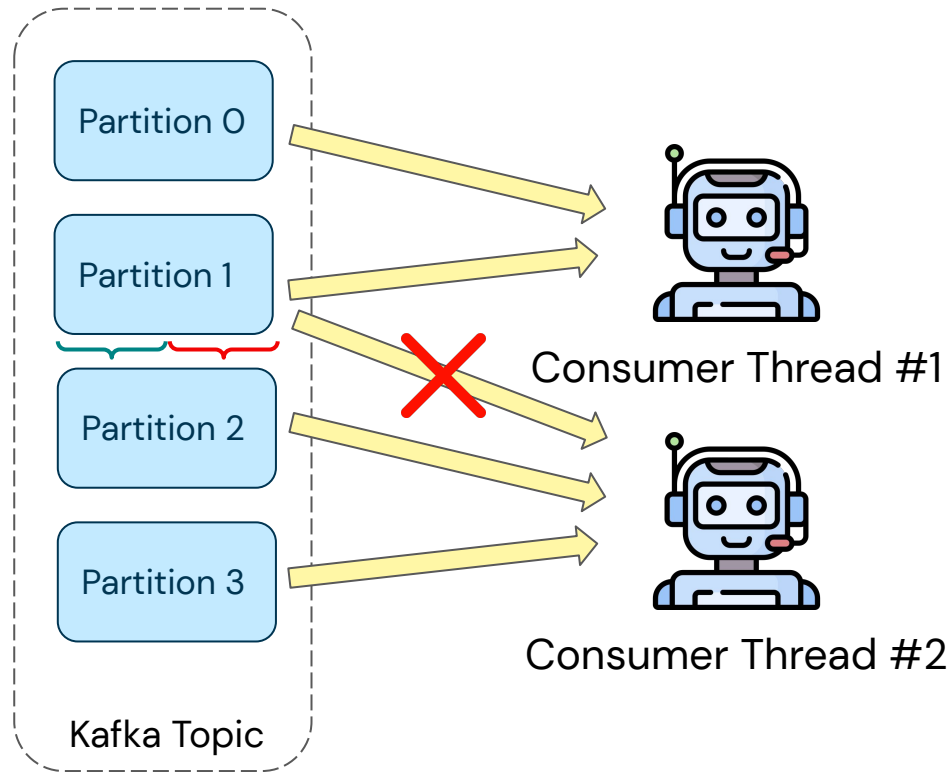
Producer



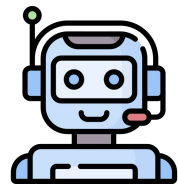
# Processing Order



Producer



# Processing Order



Producer

