Events Ordering

Introduction

Message key
(String)

Message Value
(JSON)

Key-Value

firstName : **Serge i**

Kafka Topic (profile-updated-event-topic)

Partition 0	0	1	2	3	4	A	
Partition 1	0	1	B				
Partition 2	0	1	2	3	C		

Reading
in parallel

SMS
Notification
Microservice

Consumer

A	C	B
B	A	C
C	B	A
A	B	C

firstName : Ser**jei**
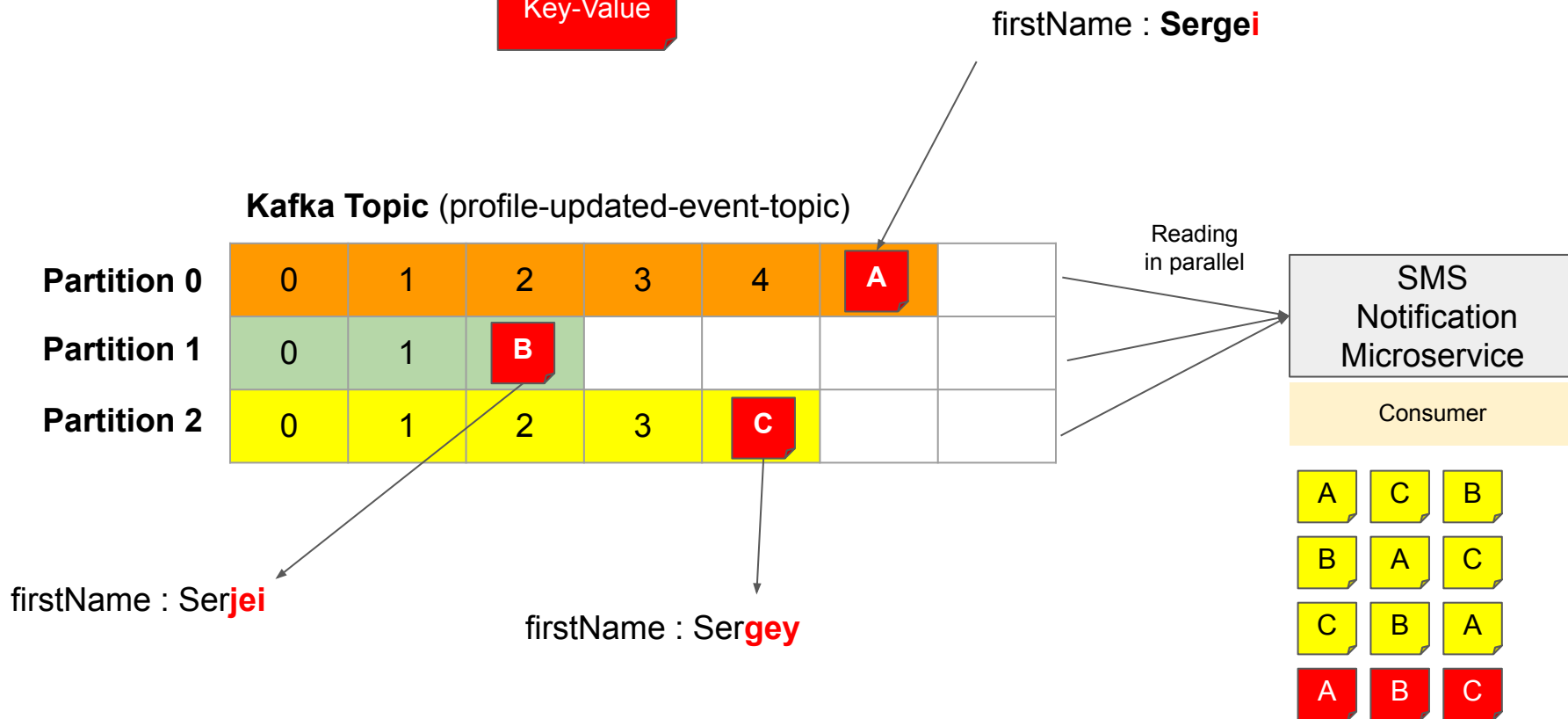
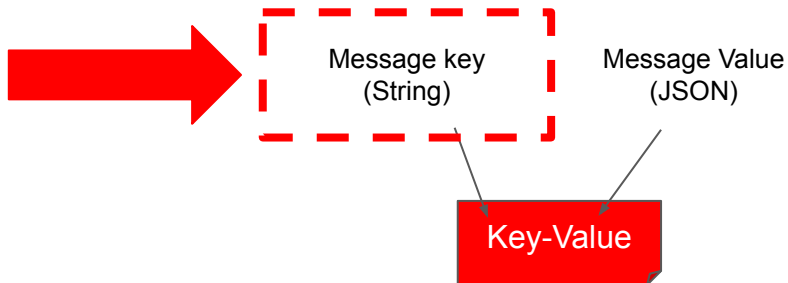firstName : Ser**gey**

Message key(User ID)
16b77e26-6aac-4da5-bd17-ca1caeb91461

firstName : **Serge**i

firstName : Ser**jei**

firstName : Ser**gey**

Kafka Topic (profile-updated-event-topic)

Reading
in parallel

Partition 0	0	1	2	A	B	C	
Partition 1	0	1	2				
Partition 2	0	1	2	3	4		

SMS
Notification
Microservice

Consumer

A   B   C

Kafka Message

Key-**Value** pair

Key **(Bytes)**	Event **(Bytes)**	Timestamp	Headers
• String, • JSON, • Avro, • Or null.	• String, • JSON, • Avro, • Or null.		
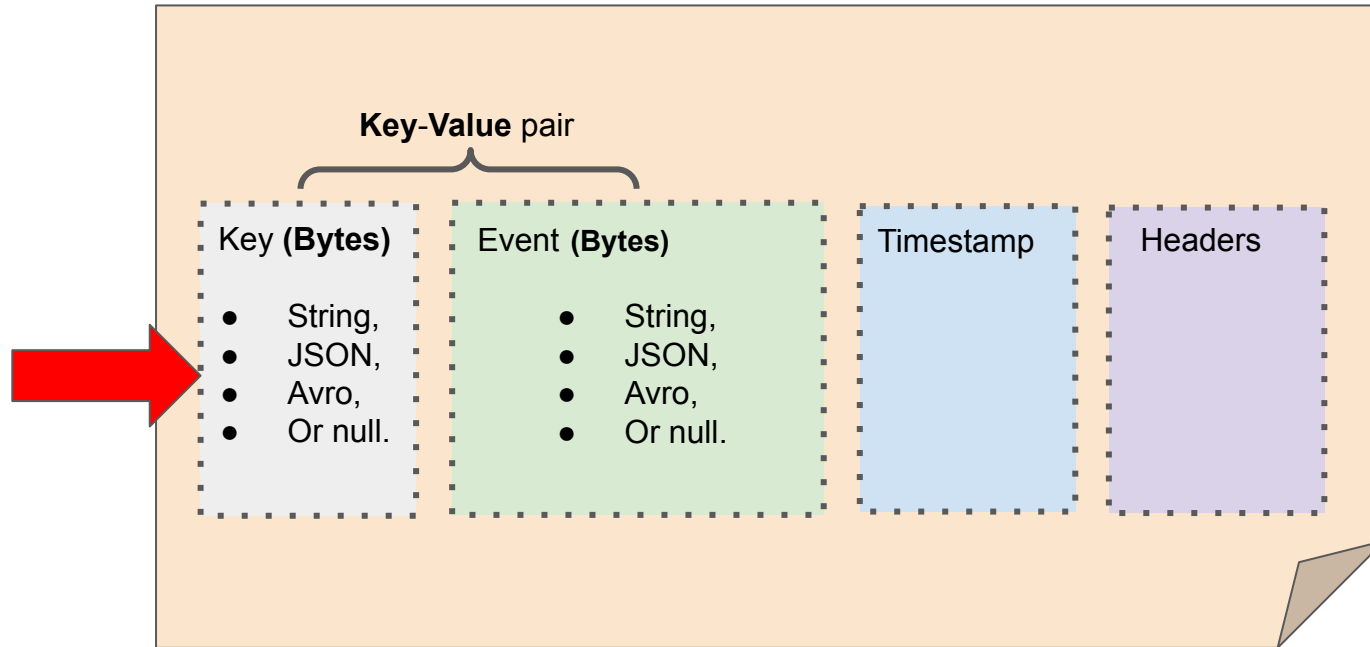
Possible Message Key Values

UUID

UserId	16b77e26-6aac-4da5-bd17-ca1caeb91461
ProductId	4d763028-998d-4e7f-810c-f79a407c394a

OrderId	order-id-16b77e26
CarId	car-id-4d763028

Custom format

Message Id: 4d763028-998d…
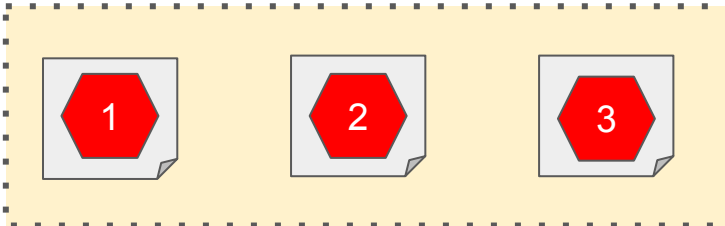
Message Id: f79a407c394a..