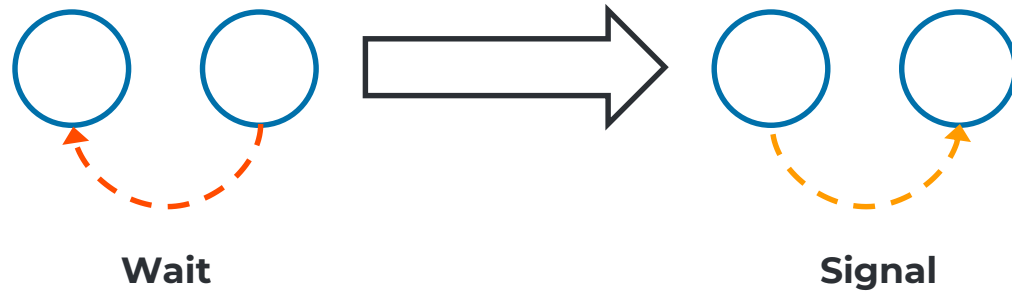




Sanntidsdeling av data i en API-løst verden



What is event driven?



Ambiguity:
what happens
in Vagueness
stays in
Vagueness.

+= (event) => you say;

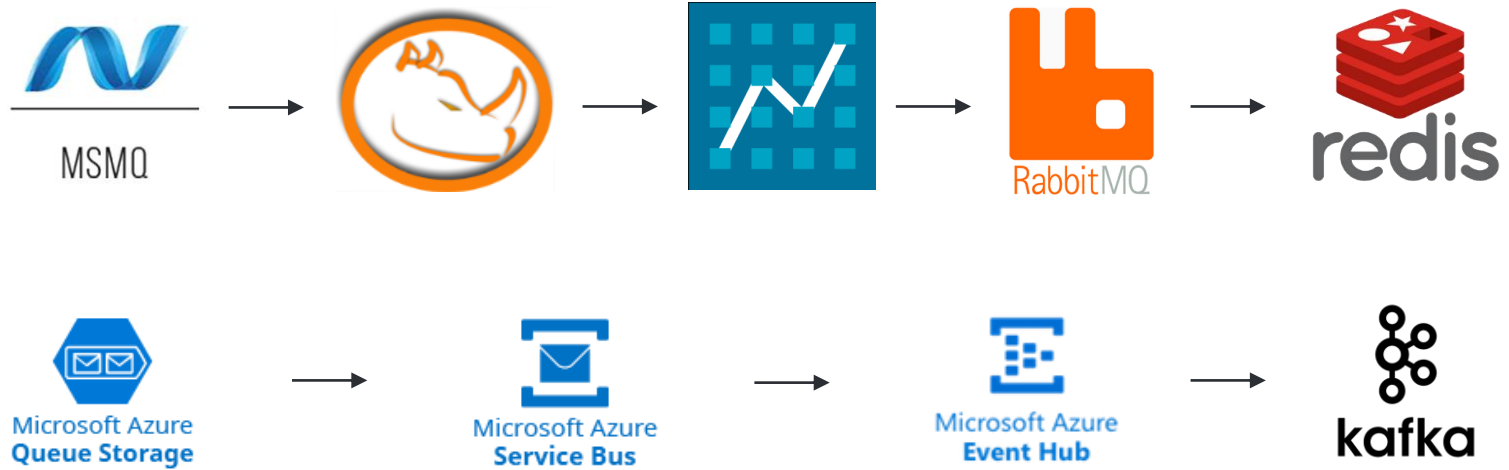
Business

- Truth of the system
- Named intentionally
- Represents the domain language
- Historical facts

TimeSeries / Discreet

- DataPoints
- Measurements
- Consumer decides frequency
- Can be observed
- Transient

Our road has been paved with...



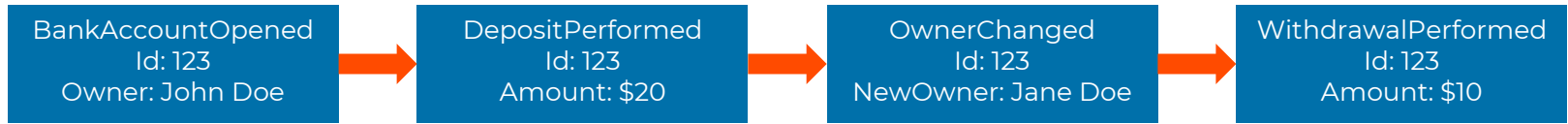
Event Sourcing

The background is a solid dark blue. In the bottom right corner, there are two overlapping geometric shapes: a light blue trapezoid and a darker blue parallelogram, both pointing towards the top right.

Traditional Database

BankAccount
Id: 123
Owner: Jane Doe
Balance: \$10

Event Sourcing

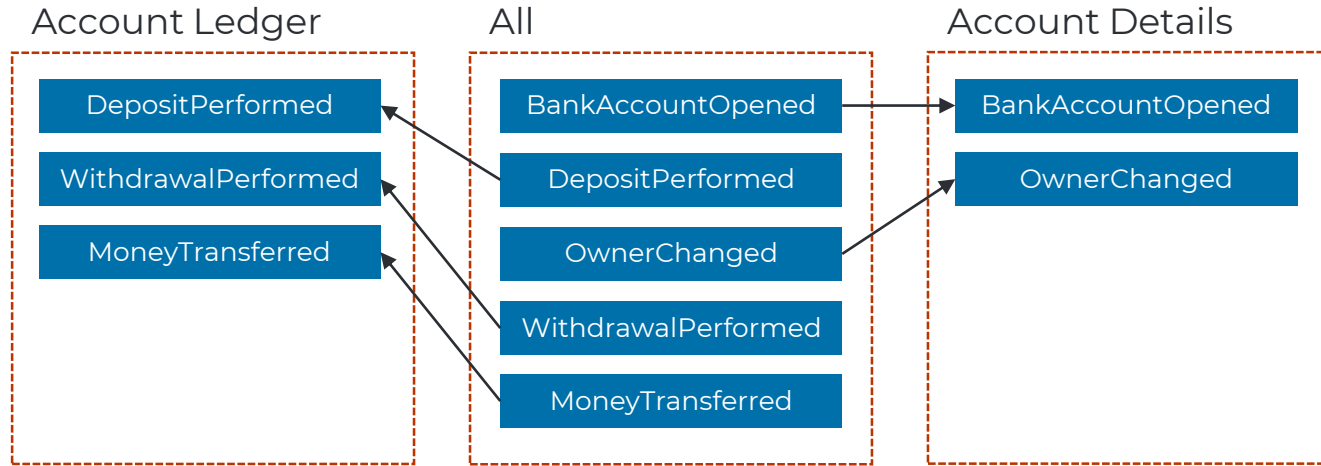


Event Store

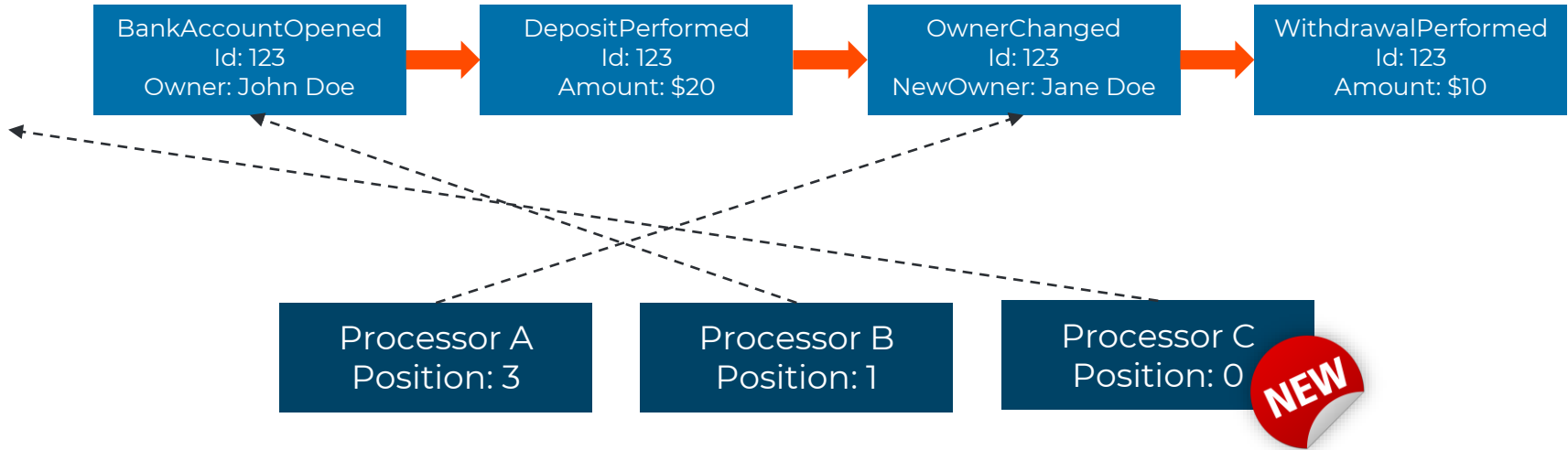
«Historical record»

The background features a solid dark blue color. In the bottom right corner, there are several overlapping geometric shapes in a lighter shade of blue, including a hexagon and a parallelogram, creating a modern, abstract design.

Streams



Positioning



Restoring Objects

BankAccountOpened
Id: 123
Owner: John Doe

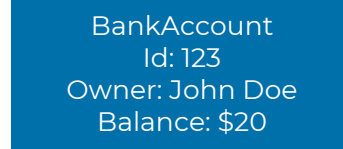
Projects to

BankAccount
Id: 123
Owner: John Doe
Balance: \$0

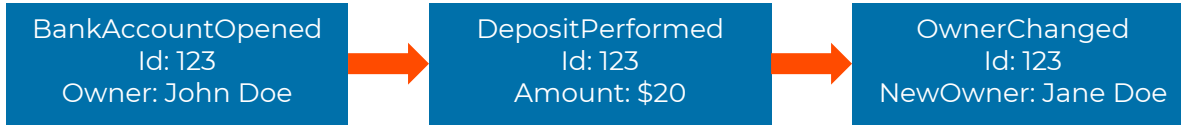
Restoring Objects



Projects to



Restoring Objects



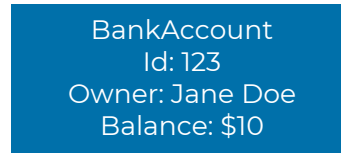
Projects to



Restoring Objects



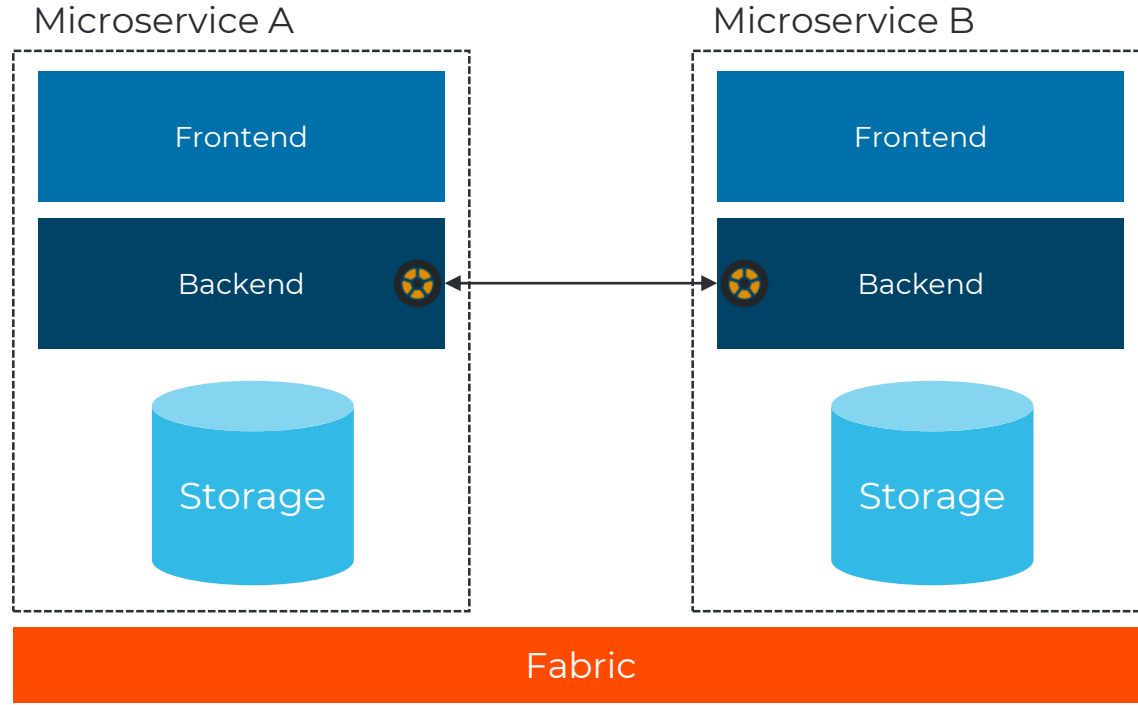
Projects to



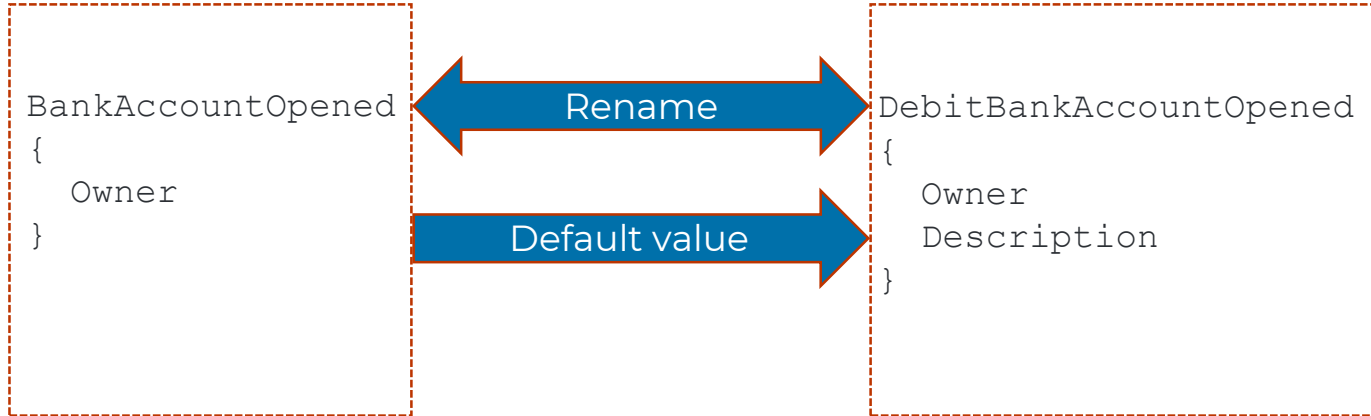
Event Horizon



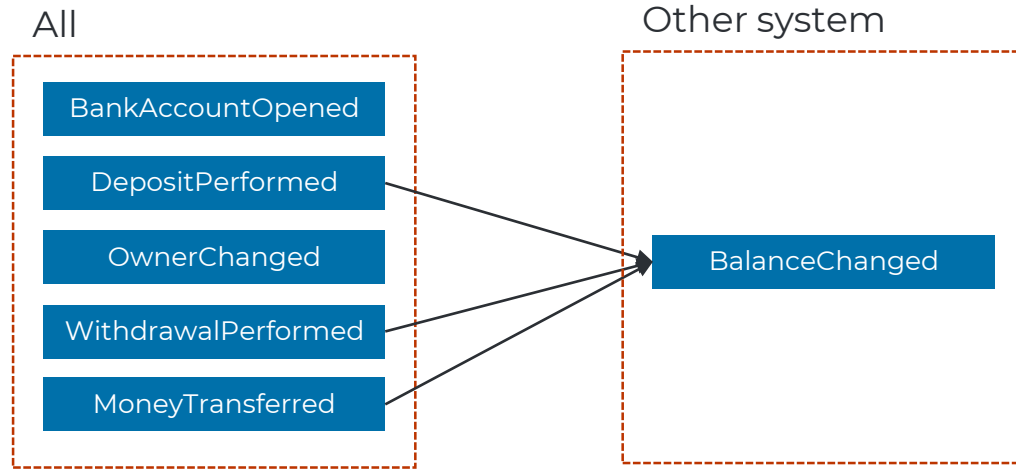
Microservices



Migrations



Private vs public



Event Discovery



Open events - interoperability



cloudevents



MQTT.ORG



AMQP

Advanced Message Queuing Protocol



HTTP/2

GRPC



DOLITTLE



GDPR

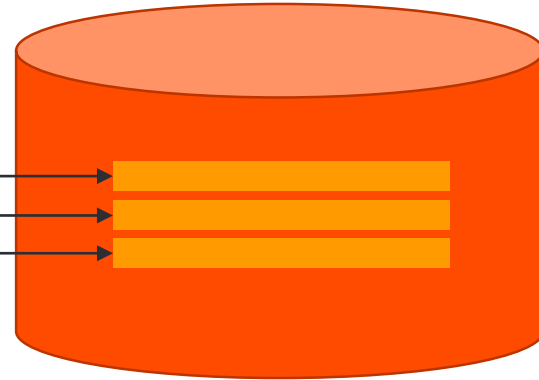
The image features a solid dark blue background. In the bottom right corner, there are several overlapping geometric shapes in a lighter shade of blue, including a hexagon and a parallelogram, creating a modern, abstract design.

Isolating PII

Event in all stream

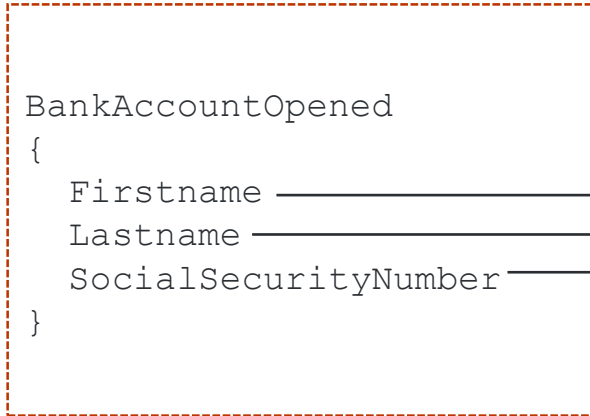
```
BankAccountOpened  
{  
  Firstname  
  Lastname  
  SocialSecurityNumber  
}
```

PII storage

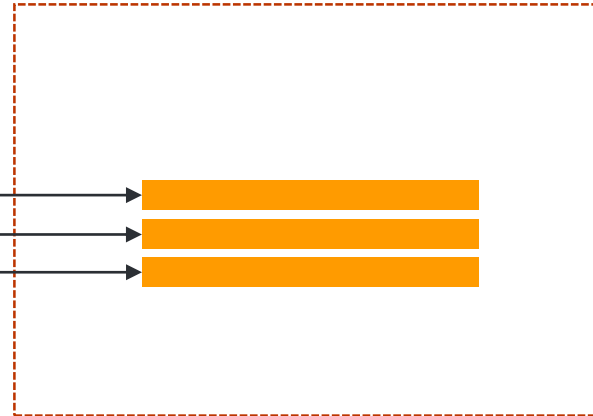


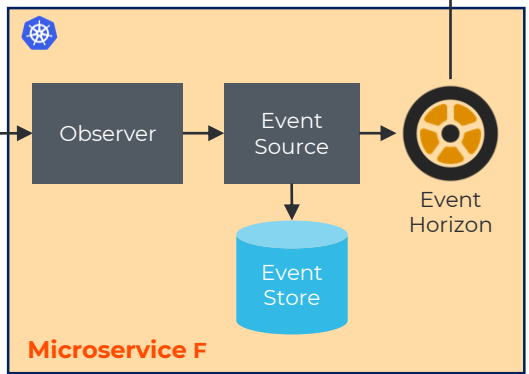
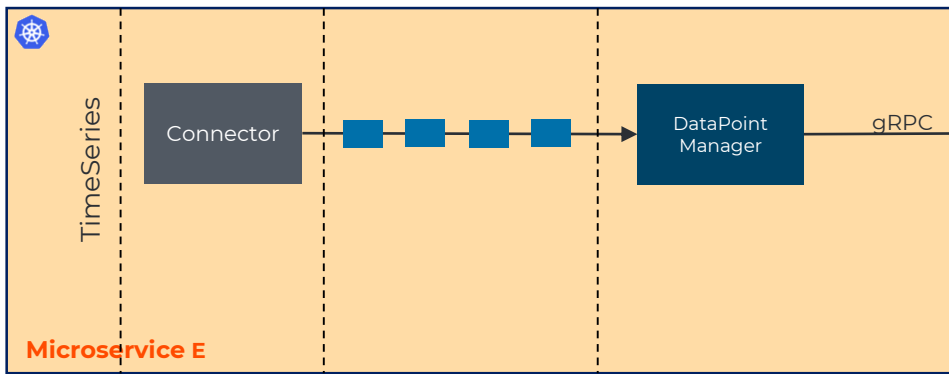
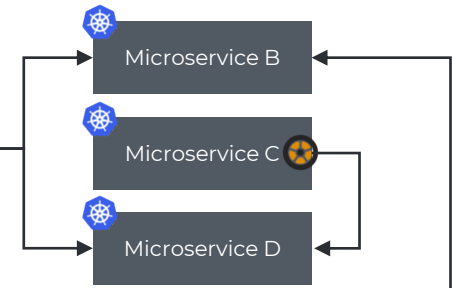
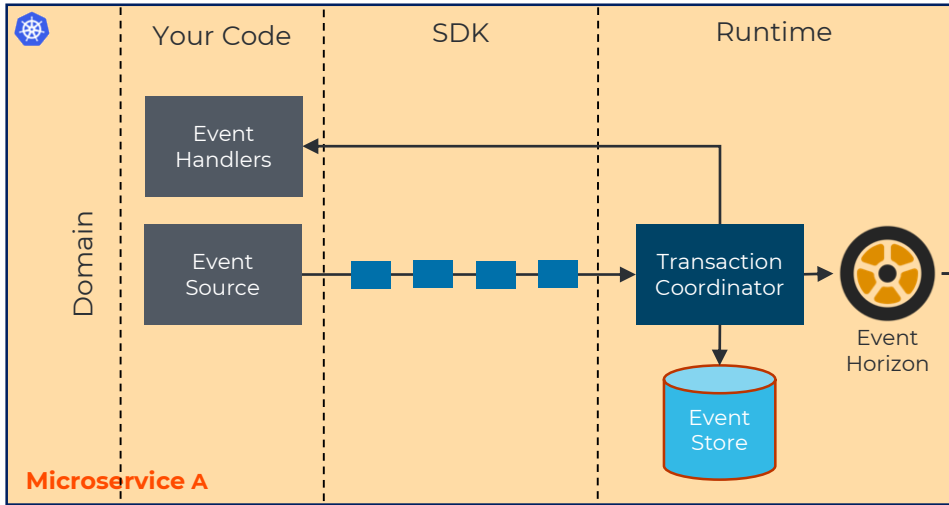
Isolating PII - streams

Event in all stream

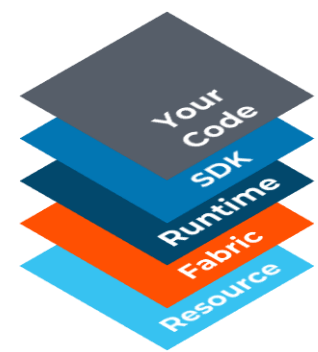
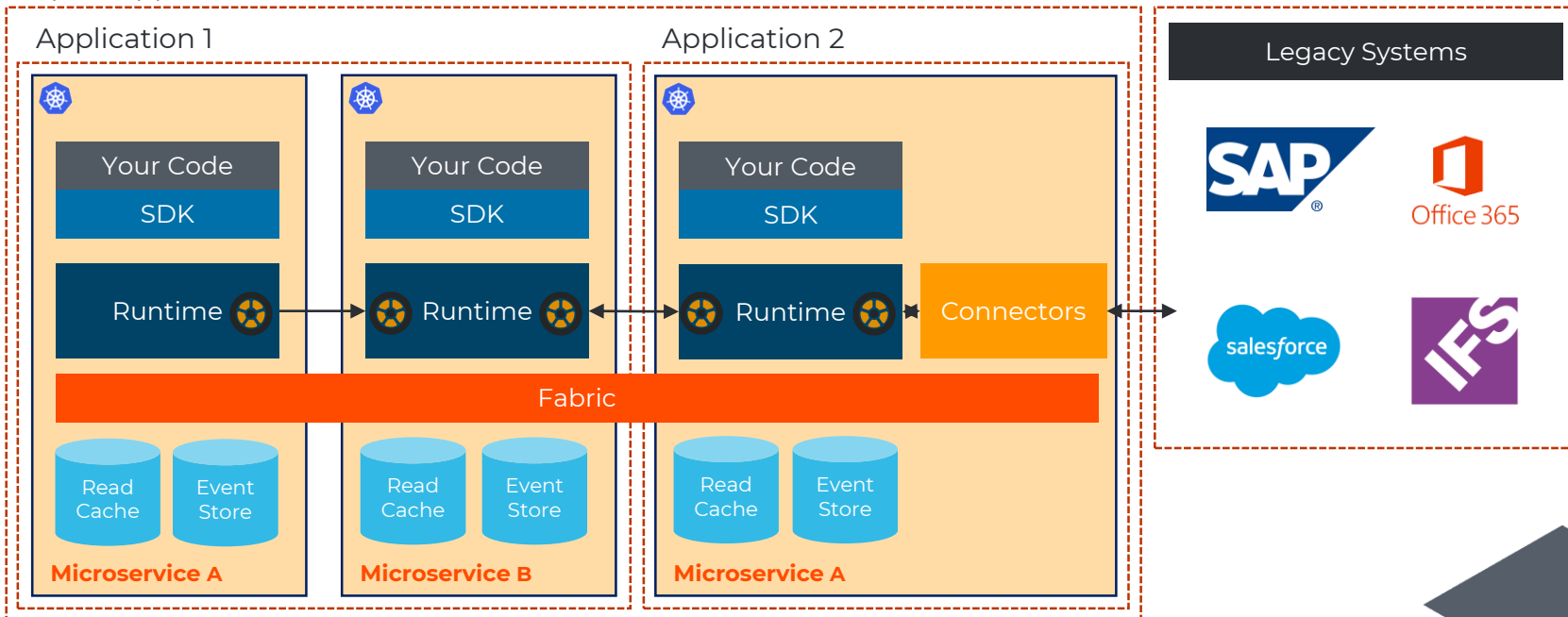


PII mutable stream





Supert App / Portal





DOLITTLE