



Unlocking Event-Driven Scheduling in Airflow 3

Vincent Beck
Apache Airflow PMC member
Sr software engineer at AWS

3.0

Agenda

1. Past. Event-driven scheduling was already there!
2. Present. What's new?
3. Future. What is missing?

Past.
Event-driven
scheduling was
already there!

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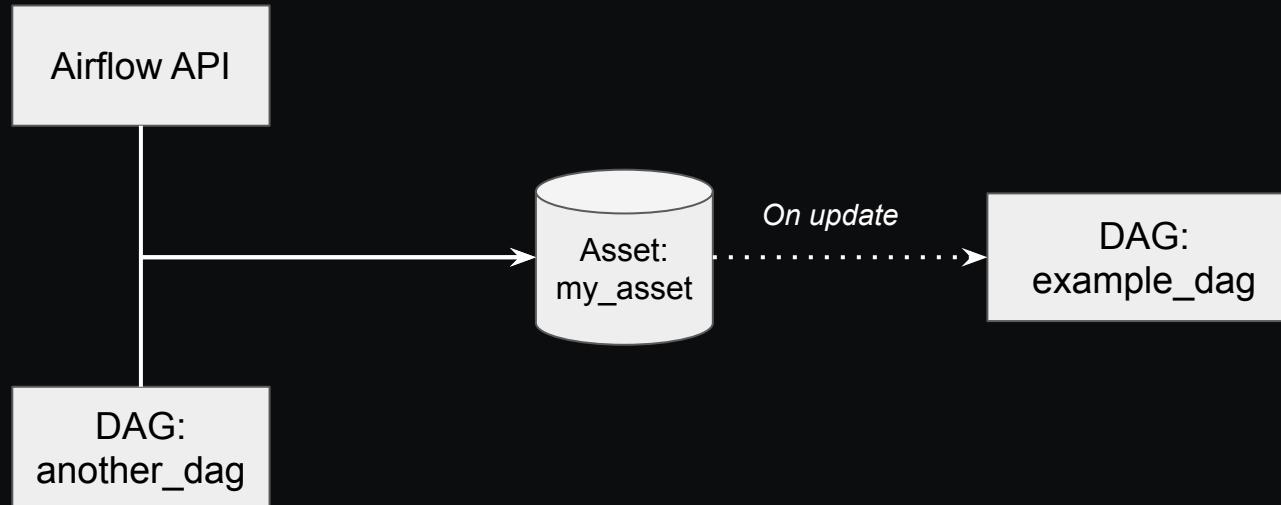
Past. Event-driven scheduling was already there!

```
asset = Asset("my_asset")

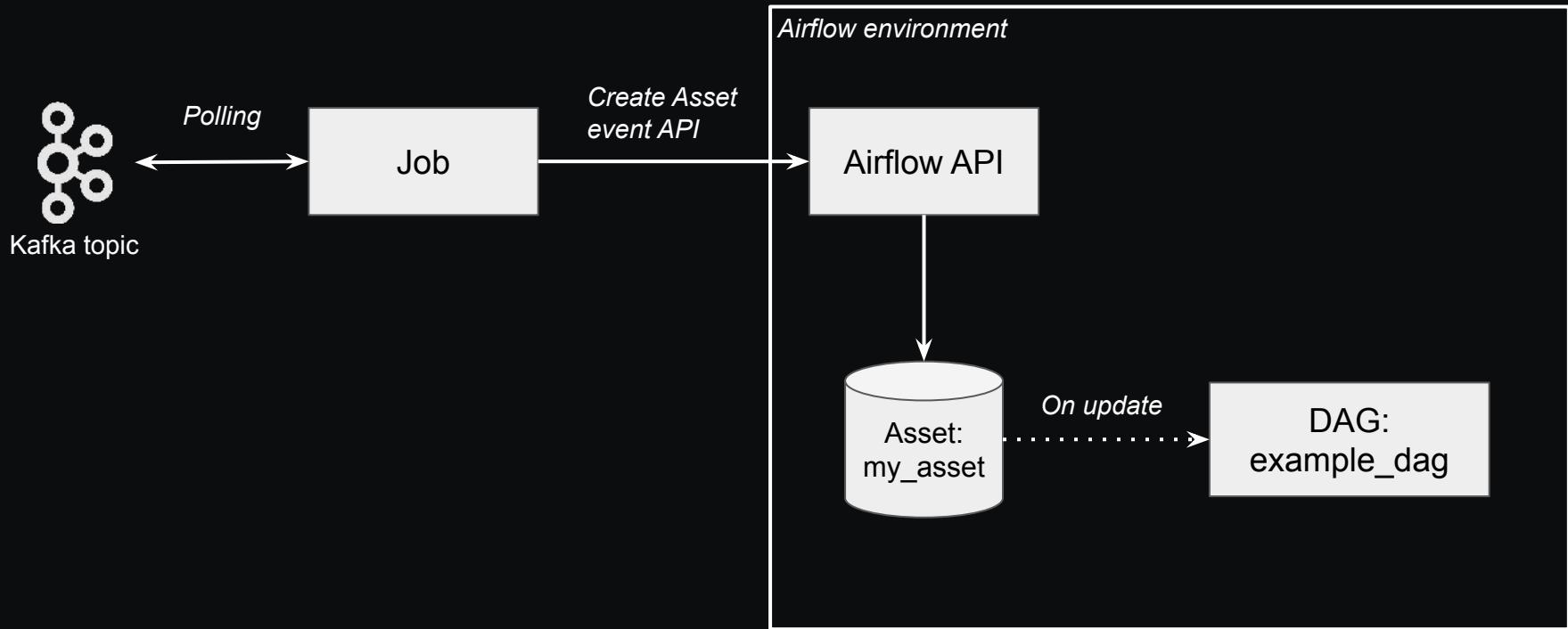
with DAG(
    dag_id="example_dag",
    schedule=[asset],
):
    @task
    def my_task():
        print("Hello world")

    chain(my_task())
```

Past. Event-driven scheduling was already there!



Past. Event-driven scheduling was already there!



Present.
What's new?

3.0

Present. What's new?

```
asset = Asset("my_asset"

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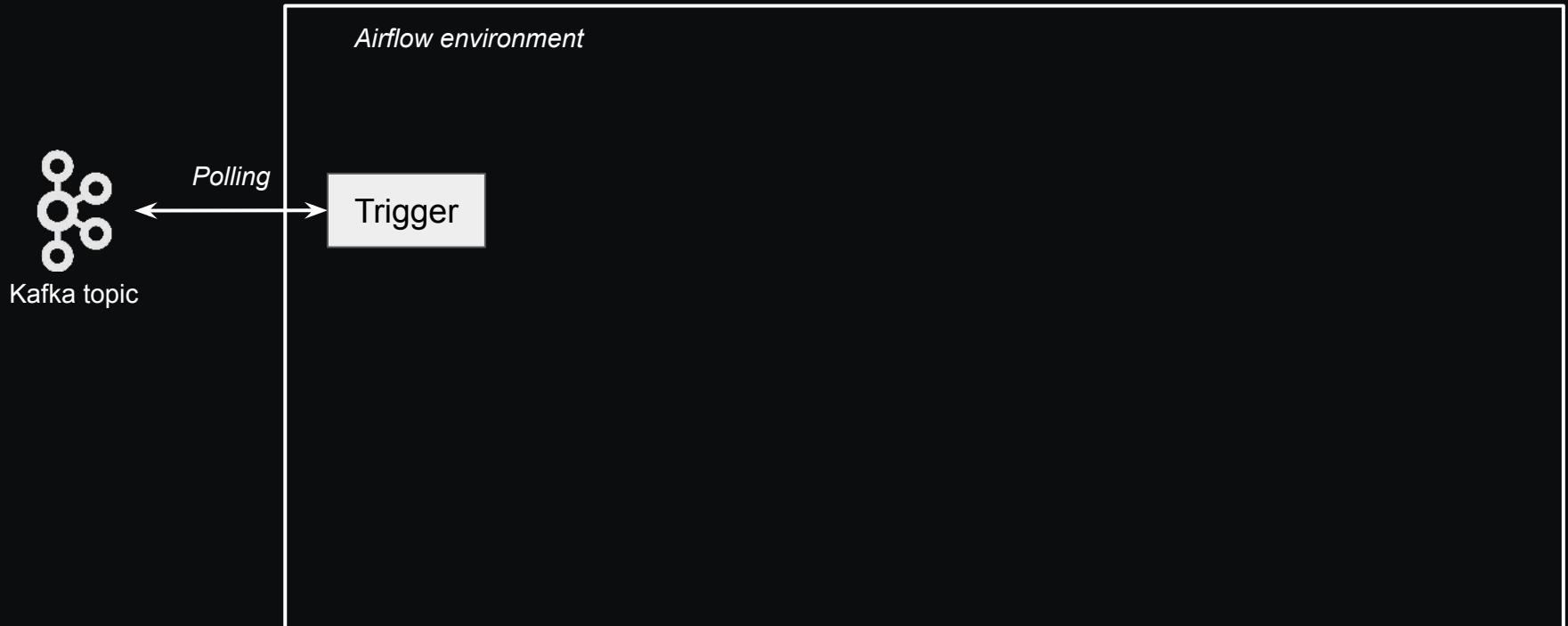
Present. What's new?

```
trigger = MessageQueueTrigger(  
    scheme="kafka",  
    topics=["my_kafka_topic"],  
)  
asset = Asset("my_asset"  
  
)  
  
with DAG(  
    dag_id="example_dag",  
    schedule=[asset],  
):  
    @task  
    def my_task():  
        print("Hello world")  
  
    chain(my_task())
```

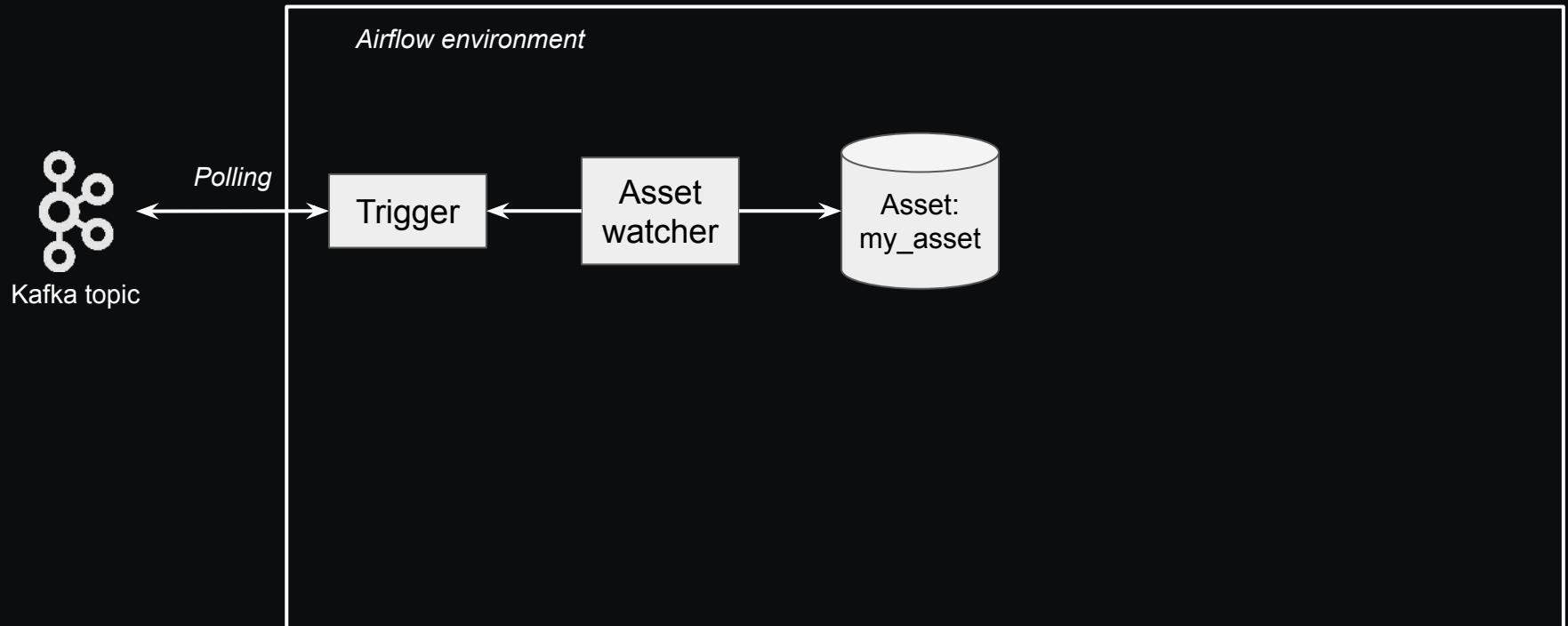
Present. What's new?

```
trigger = MessageQueueTrigger(  
    scheme="kafka",  
    topics=["my_kafka_topic"],  
)  
asset = Asset("my_asset", watchers=[  
    AssetWatcher(name="my_asset_watcher", trigger=trigger)  
])  
  
with DAG(  
    dag_id="example_dag",  
    schedule=[asset],  
):  
    @task  
    def my_task():  
        print("Hello world")  
  
    chain(my_task())
```

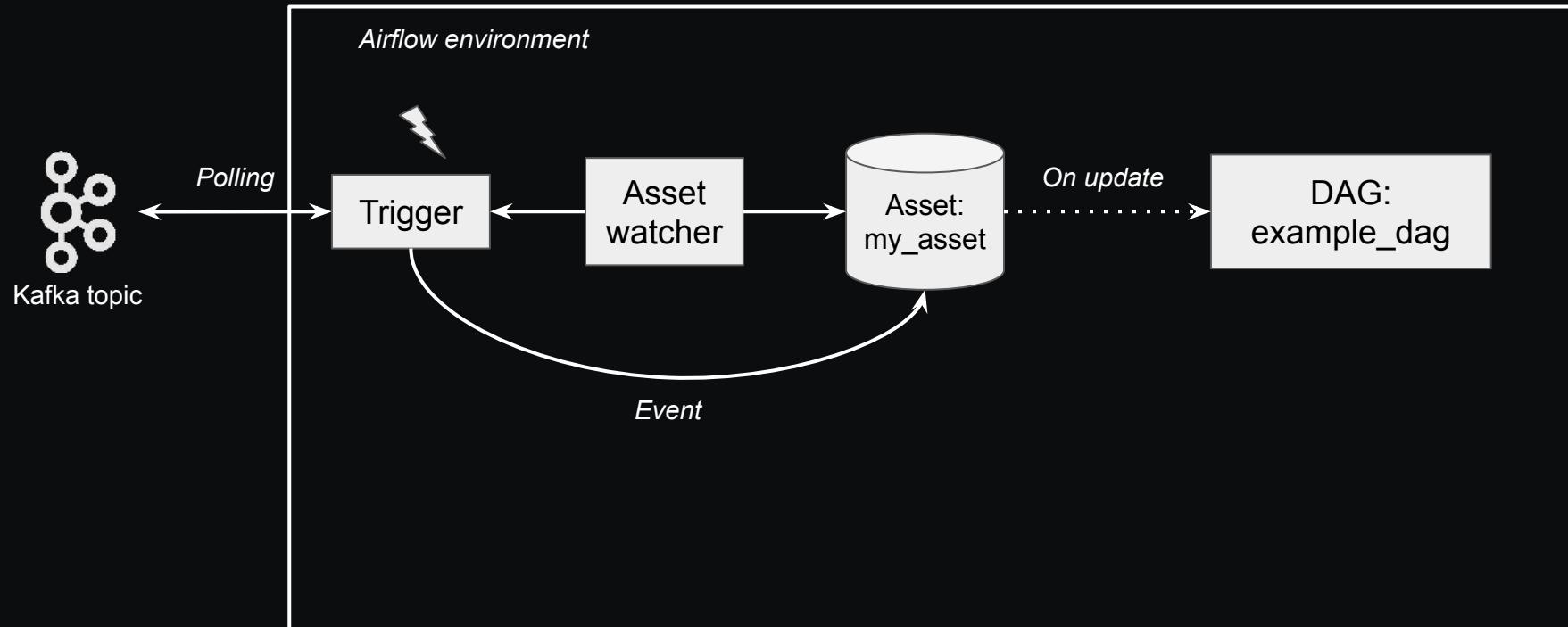
Present. What's new?



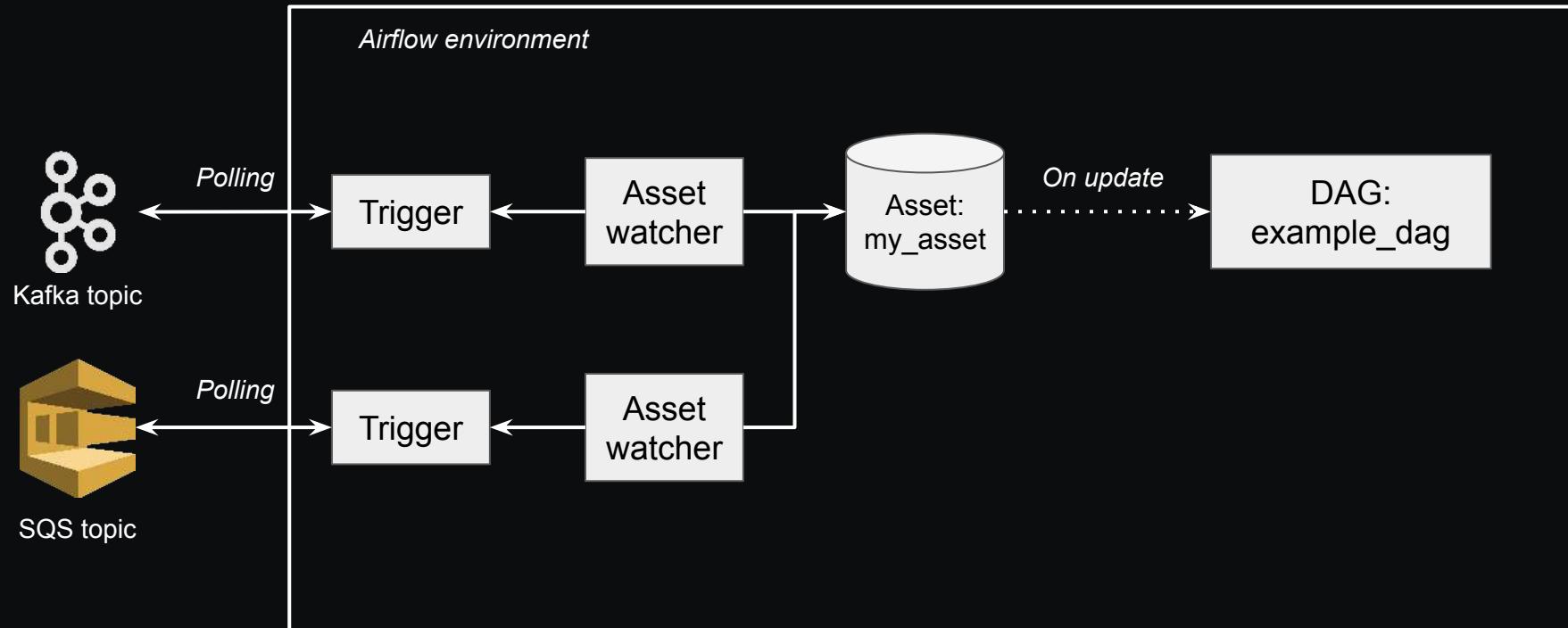
Present. What's new?



Present. What's new?



Present. What's new?



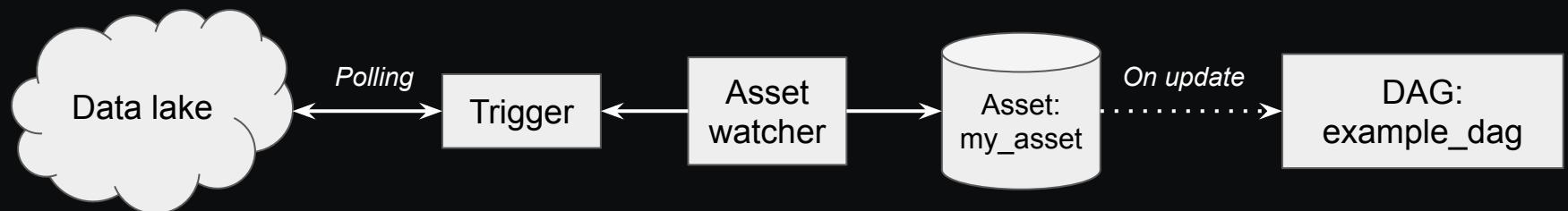
Future. What
is missing?

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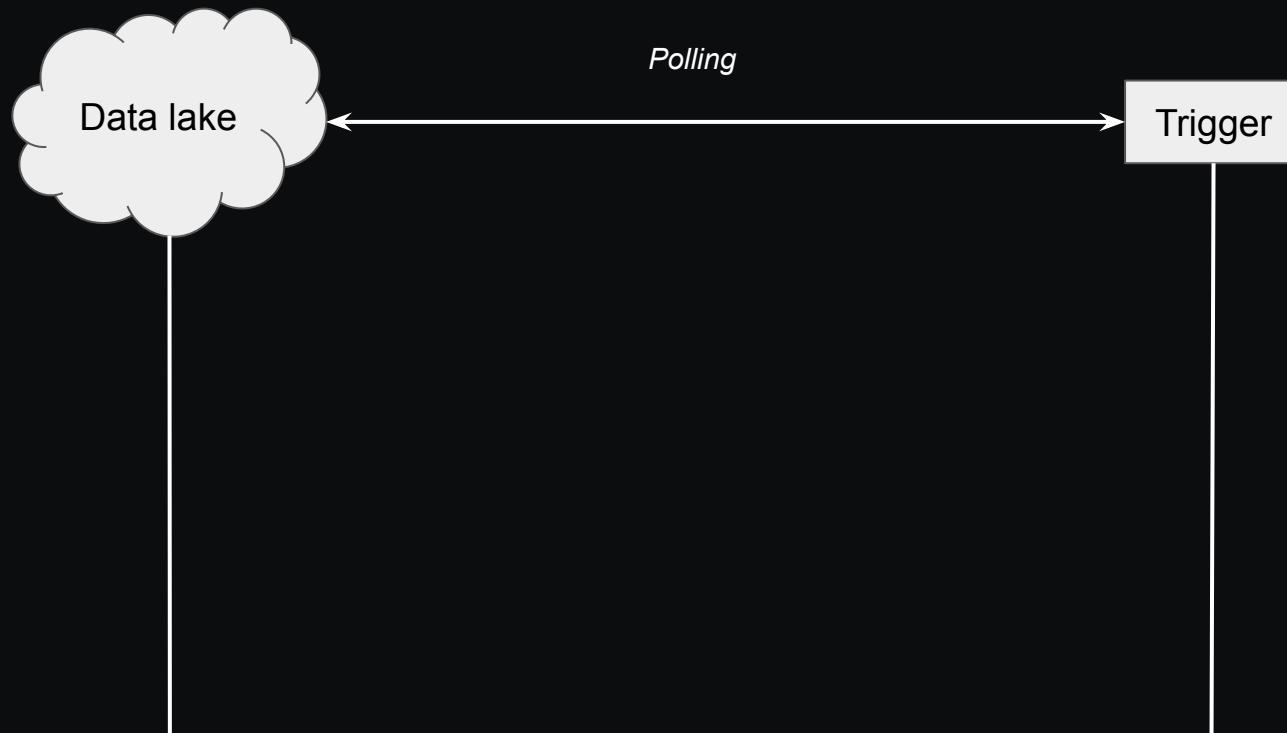
Future. What is missing?



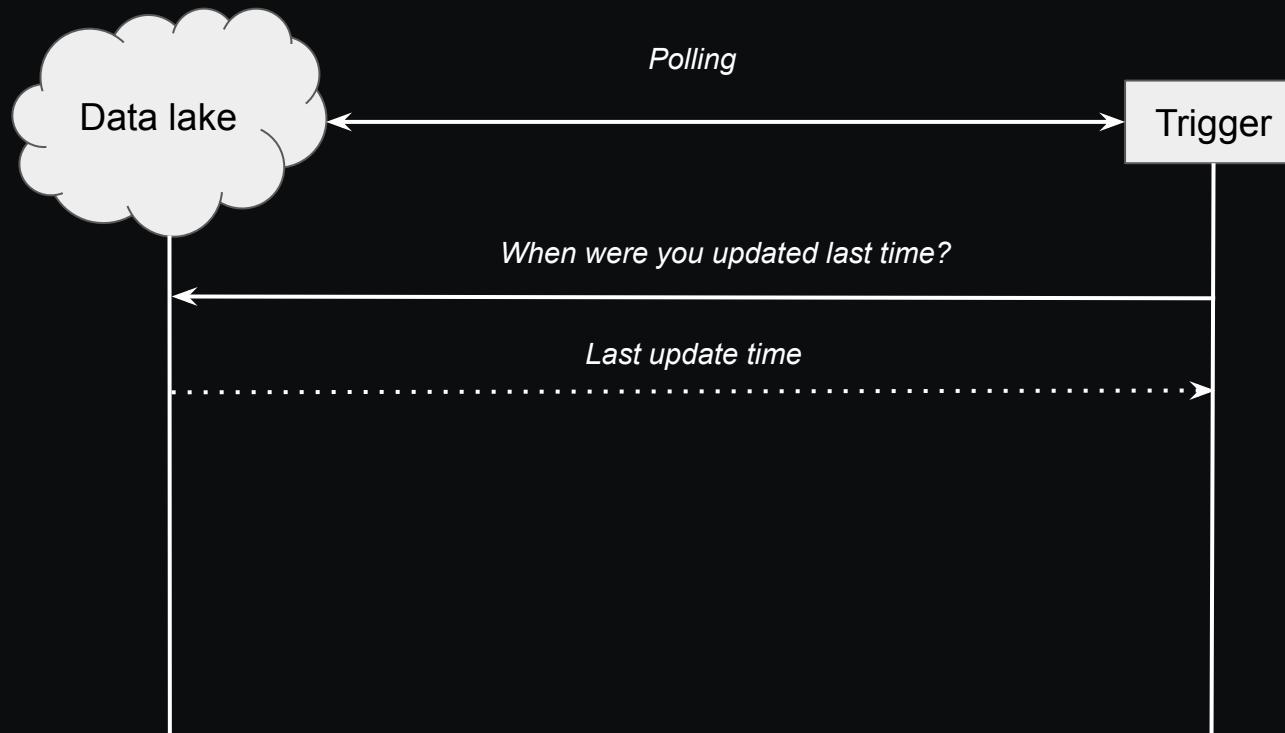
Future. What is missing?



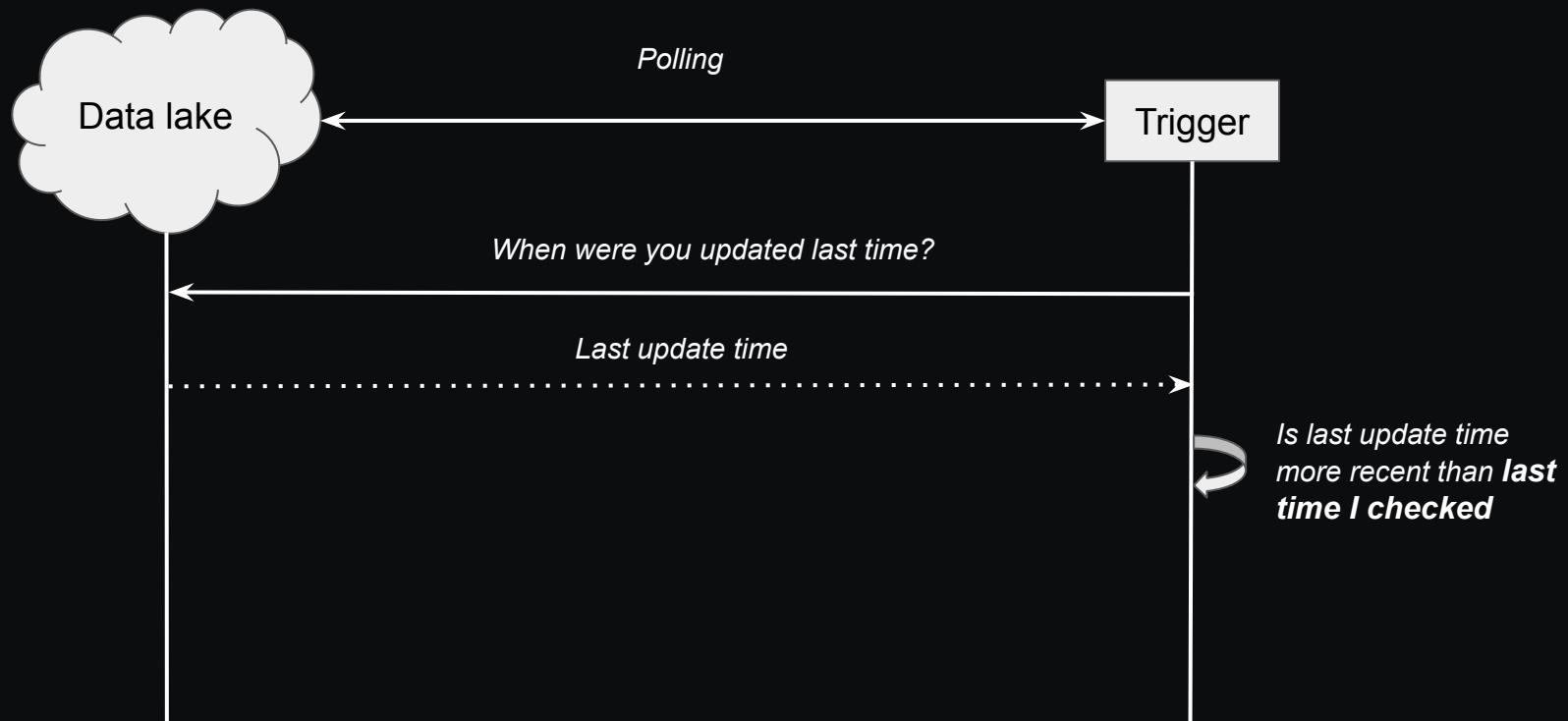
Future. What is missing?



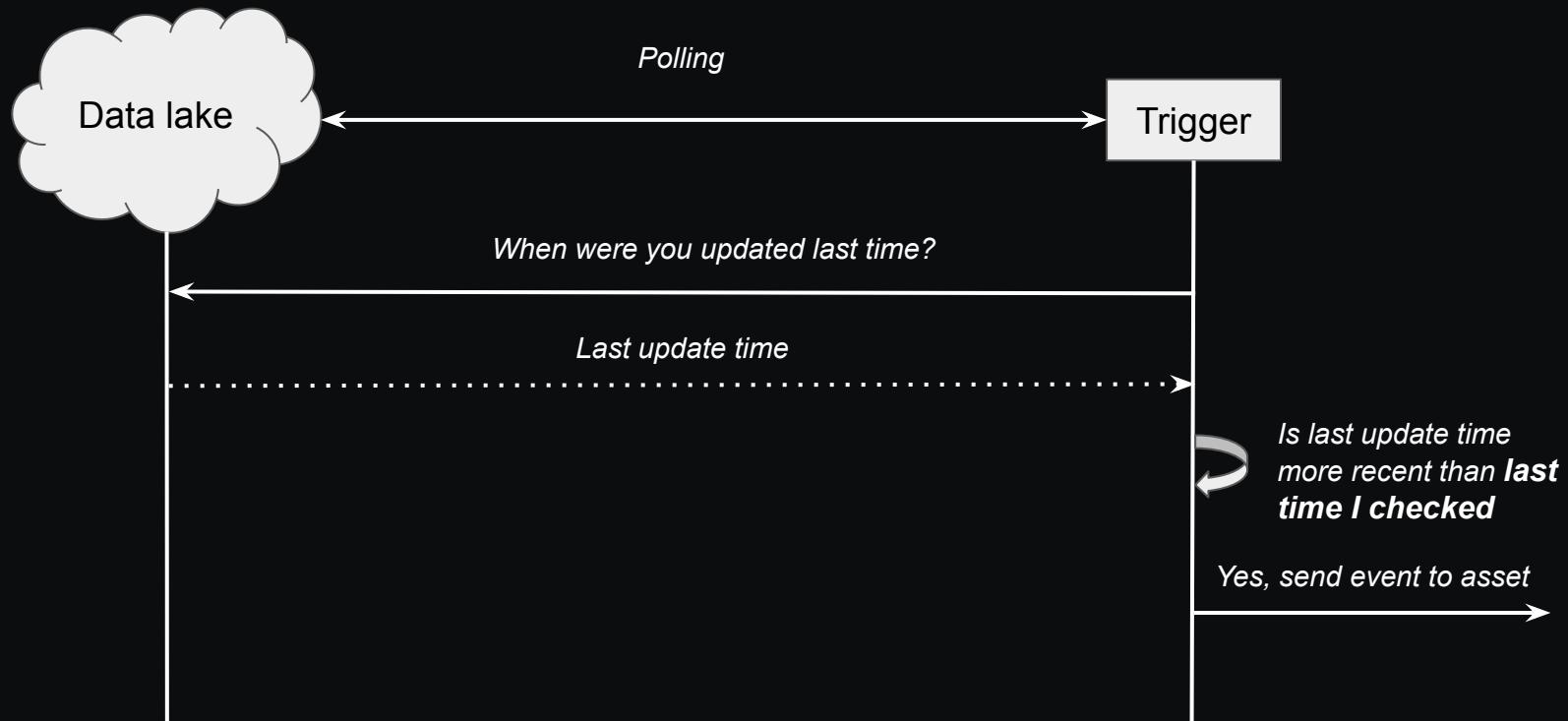
Future. What is missing?



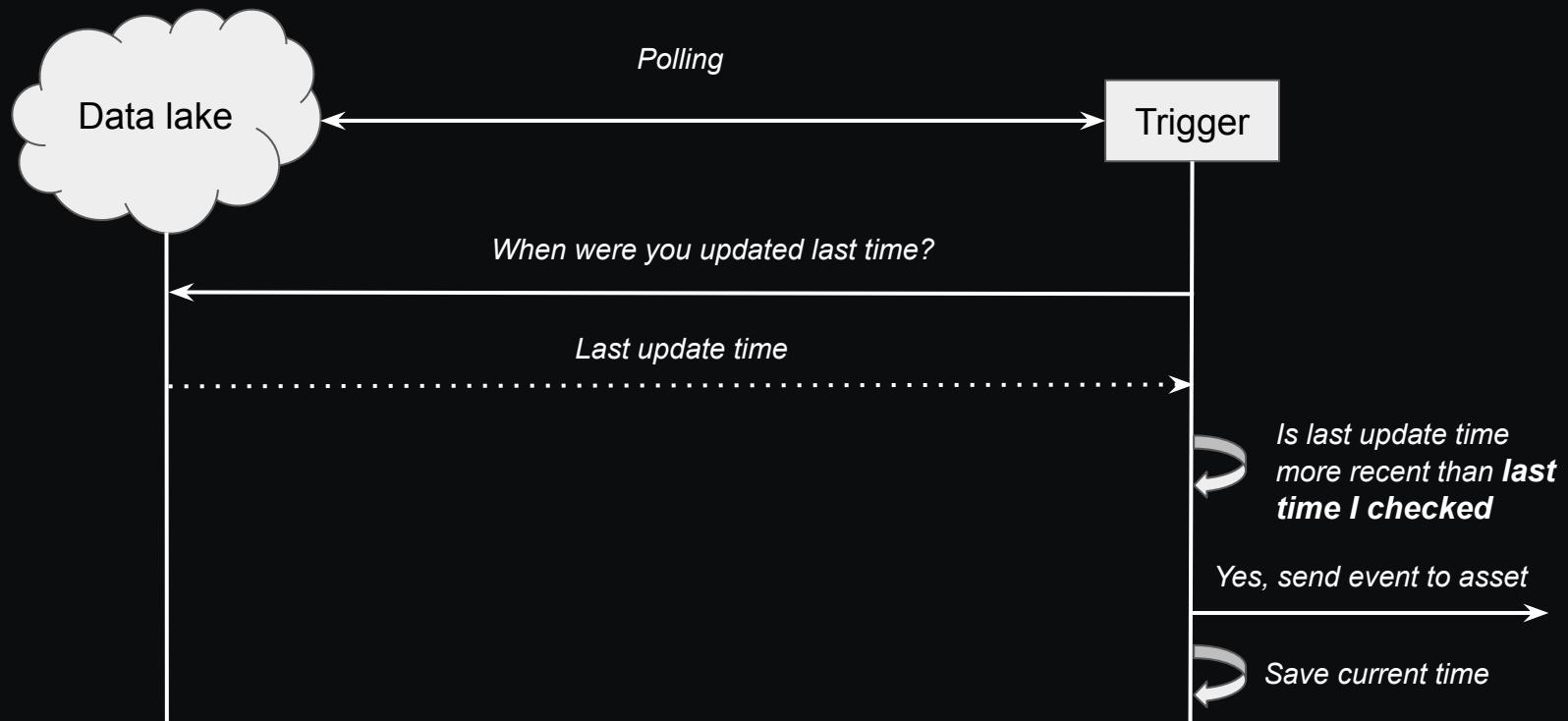
Future. What is missing?



Future. What is missing?



Future. What is missing?



Future. What is missing?

State store



AIP-93. Creating a State Store and Interface

Questions?

<https://github.com/vincbeck>