

cdCon 2022

**Building DevOps metrics for your choice of CD tools through
CDEvents**

A long long time ago

A long long time...

cdCon 2022

**Building DevOps metrics for your choice of CD tools through
CDEvents**

Andrea Frittoli, IBM. Erik Sternerson, doWhile

In this talk

- **Learn About CDEvents**
- **Learn About DevOps Metrics**
- **How do they fit together**

CDEvents

Conceptual: Common language

Wider effort

- CDF SIG Interoperability**
- CDF SIG Events**

CDEvents

Concrete: Spec and SDKs

Specification



Specification



Specification

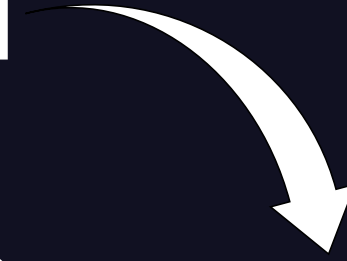


SDKs

Specification



```
// Create an event.  
event, _ := cde.CreateServiceEvent(  
    cde.ServiceDeployedEventV1,  
    serviceEnvId,  
    serviceName,  
    serviceVersion,  
    serviceData)  
  
// Set a source.  
event.SetSource(source)  
  
// Set a target.  
ctx := cloudevents.ContextWithTarget(  
    context.Background(), CDE_SINK)
```

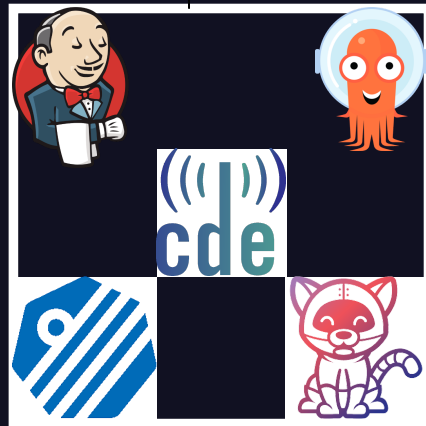


SDKs

Specification



Integrations
&
Proof-of-Concepts



SDKs

Wider effort (again)

- **CDEvents team**
- **Project communities**

CDEvents' goals

Interoperability

Observability

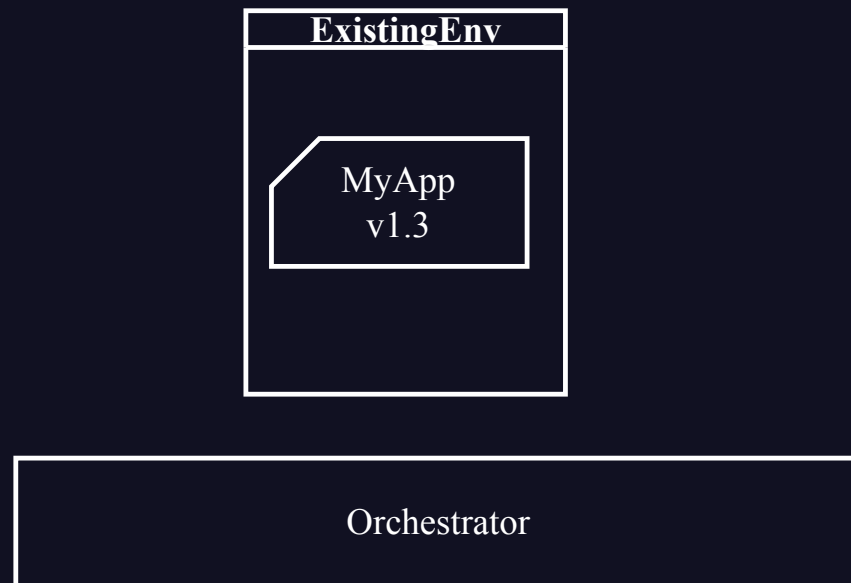
DevOps Metrics

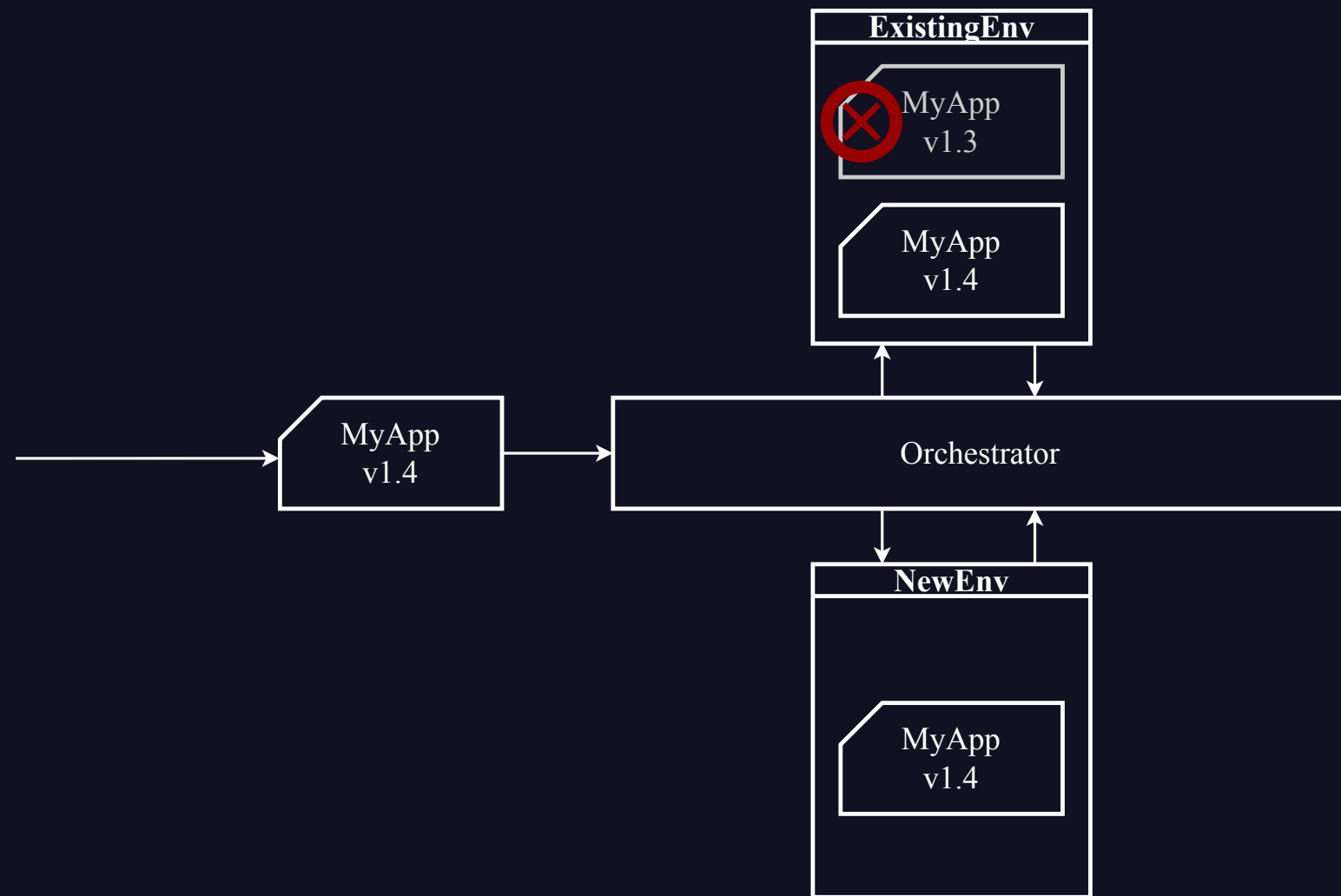
DORA Metrics

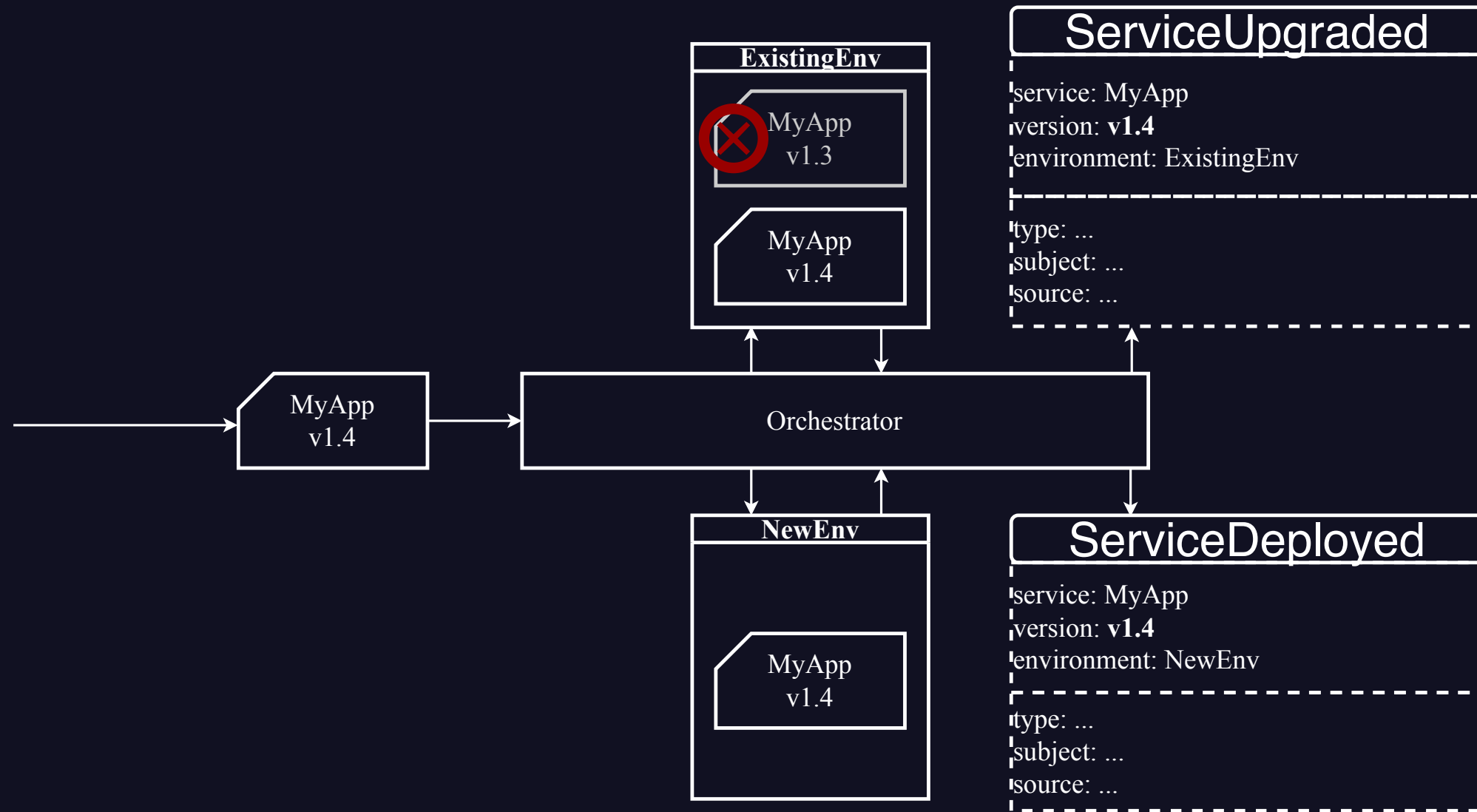
- Deployment Frequency
- Lead Time for Changes
- Change Failure Rate
- Time to Restore Service

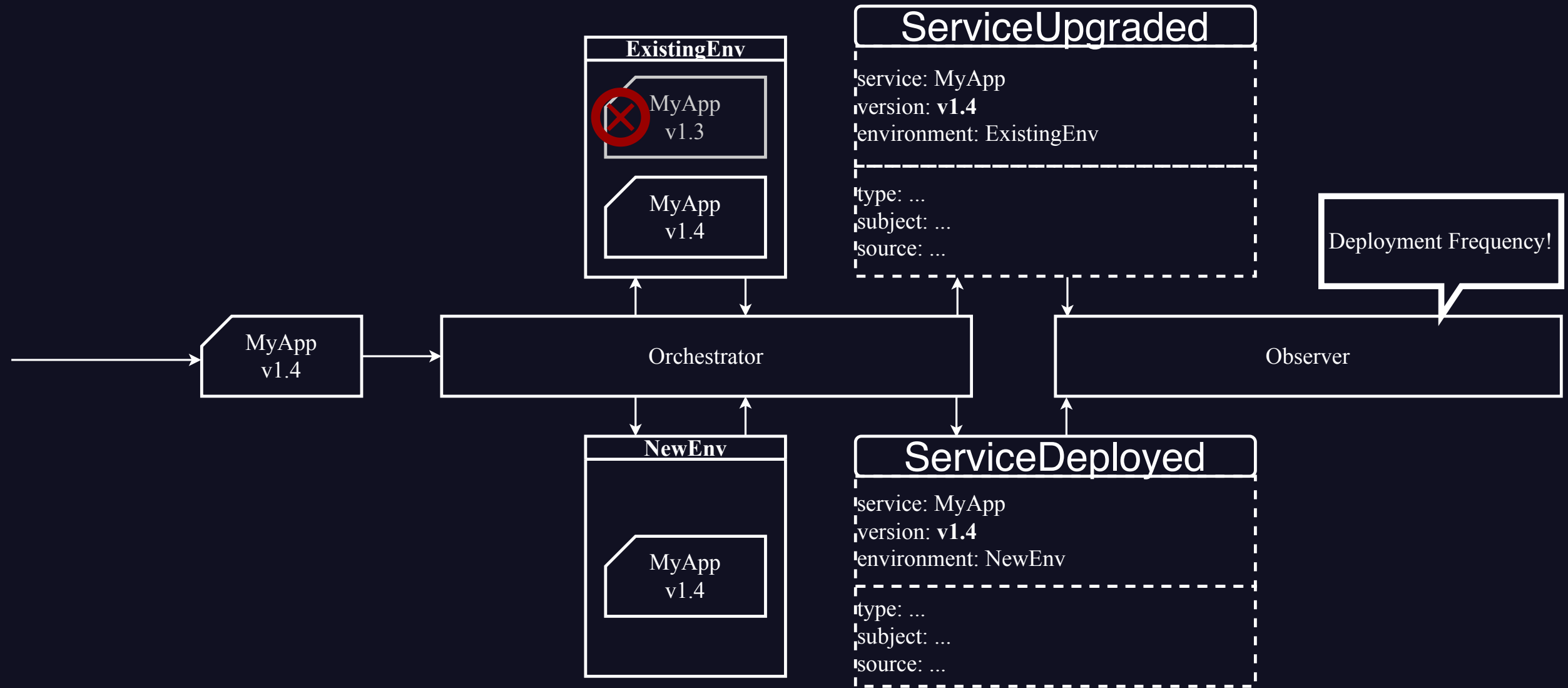
Metrics through CDEvents

Deployment Frequency



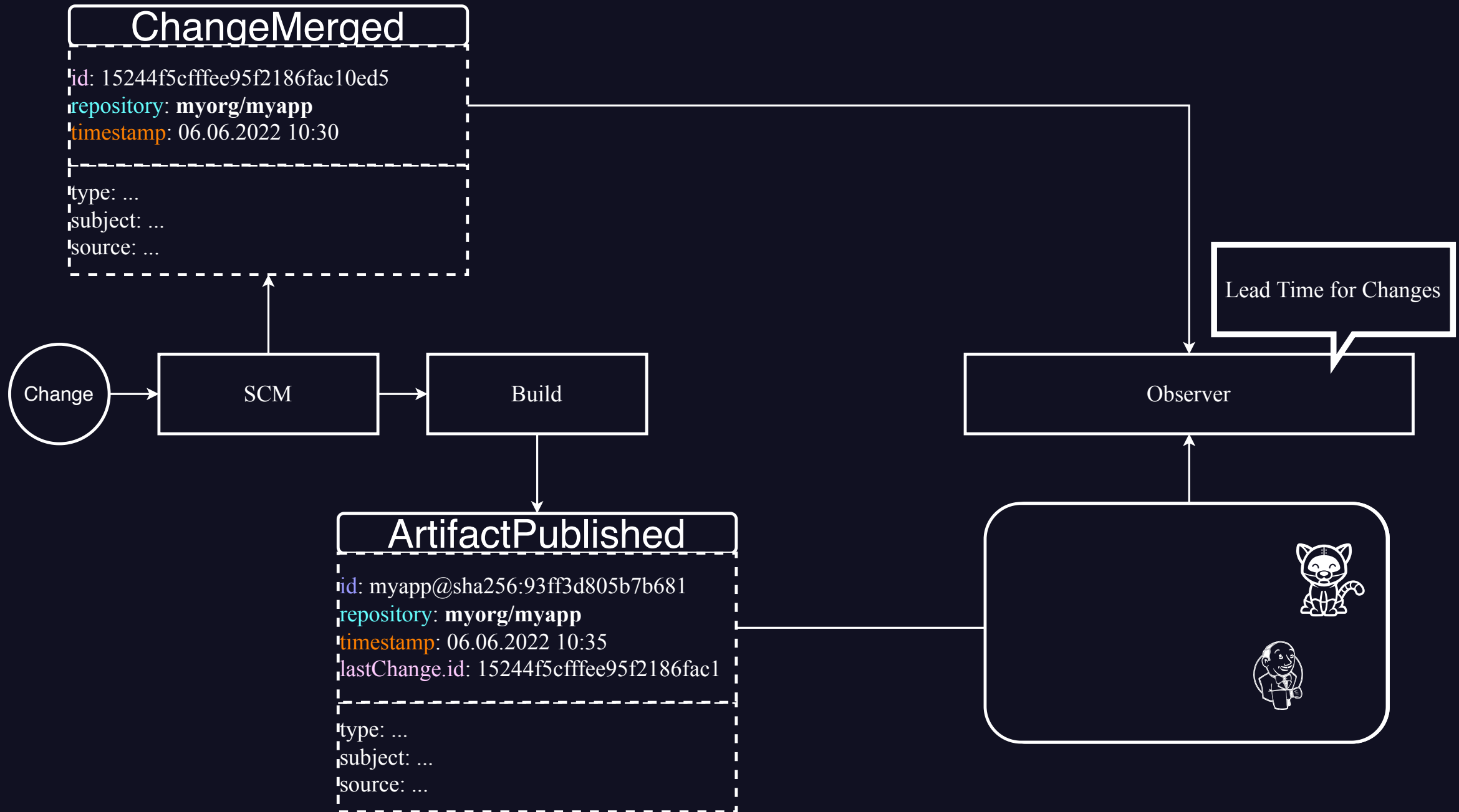


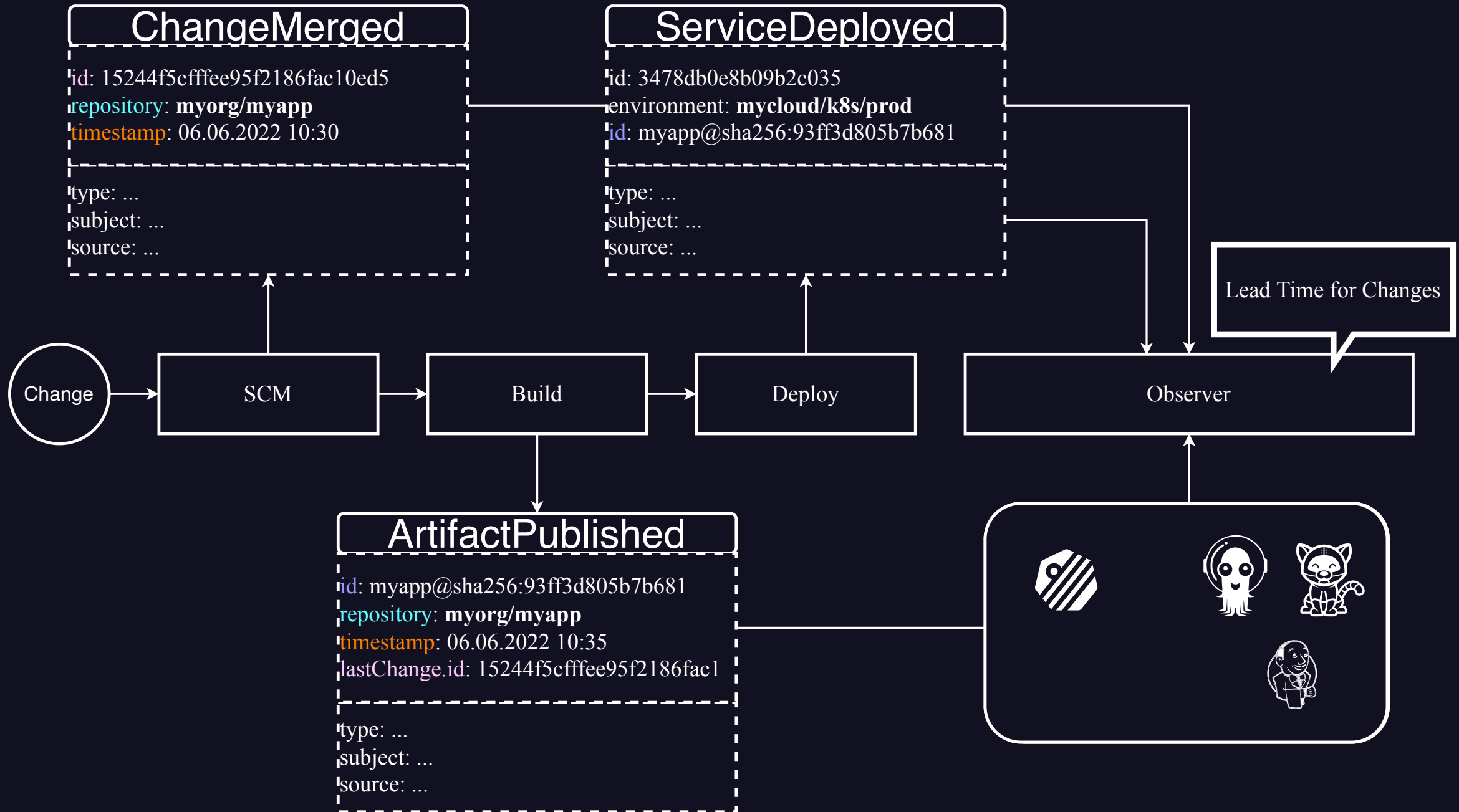




Lead Time for Changes







Change Failure Rate

Time to Restore Service

Key takeaways

TBW

TBW

TBW

Thank you!

Questions?

Andrea Frittoli, IBM. Erik Sternerson, doWhile