

# Observing the Service Network

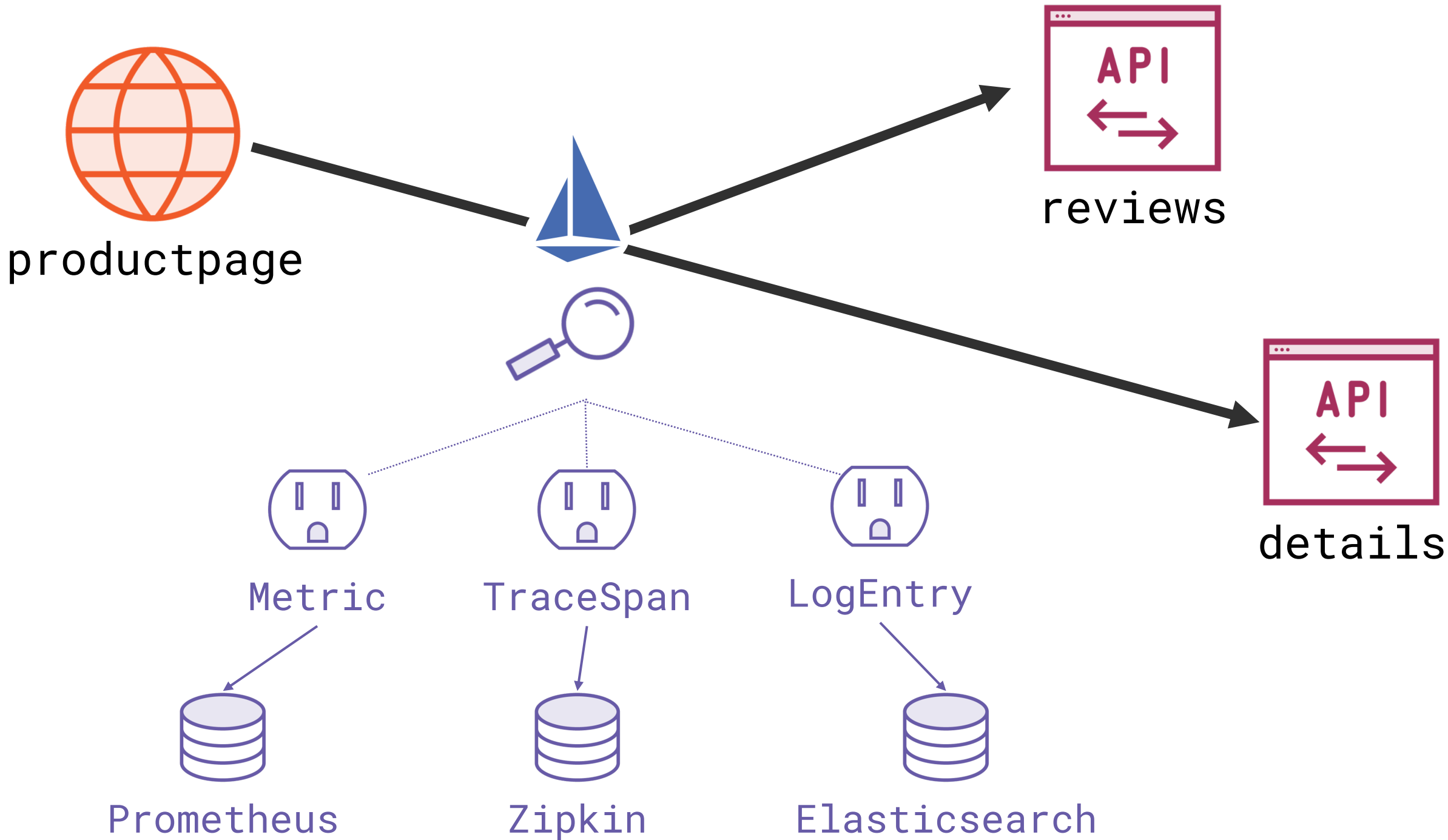
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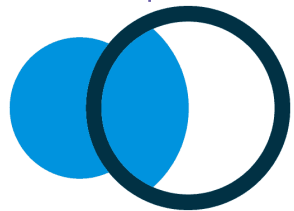
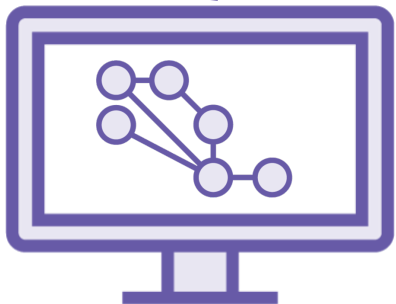
Prometheus



Zipkin



Elasticsearch



Kiali



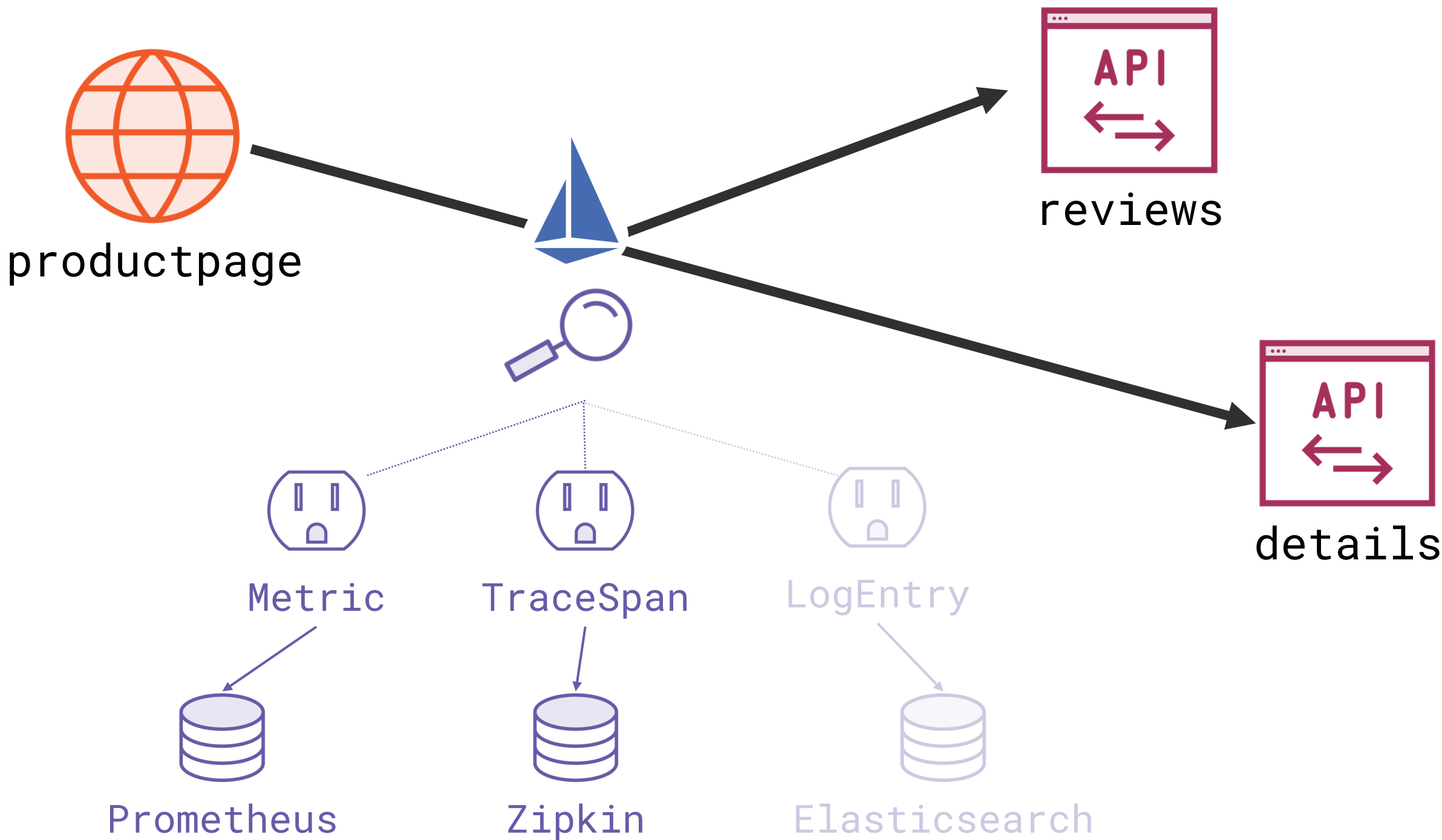
Grafana

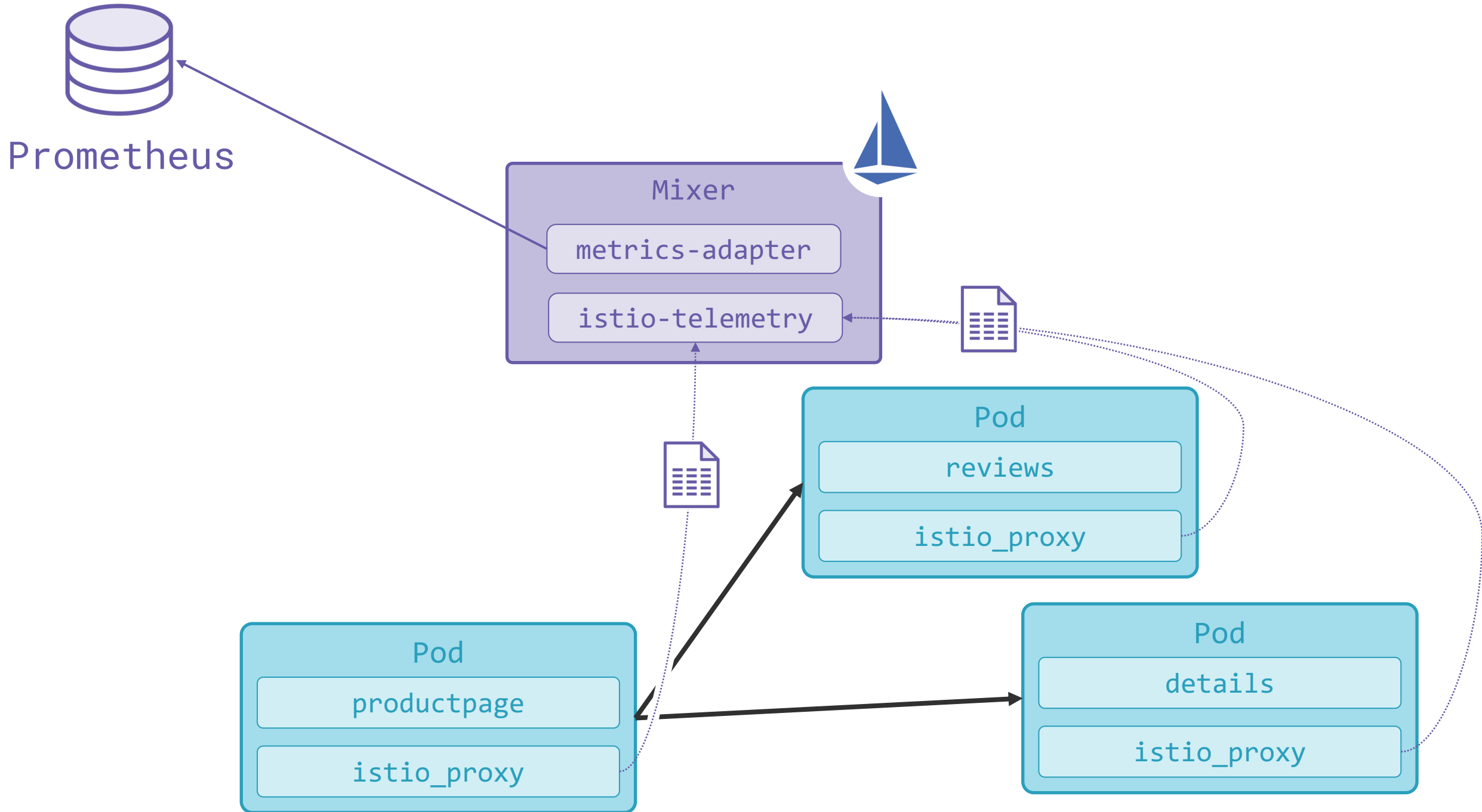


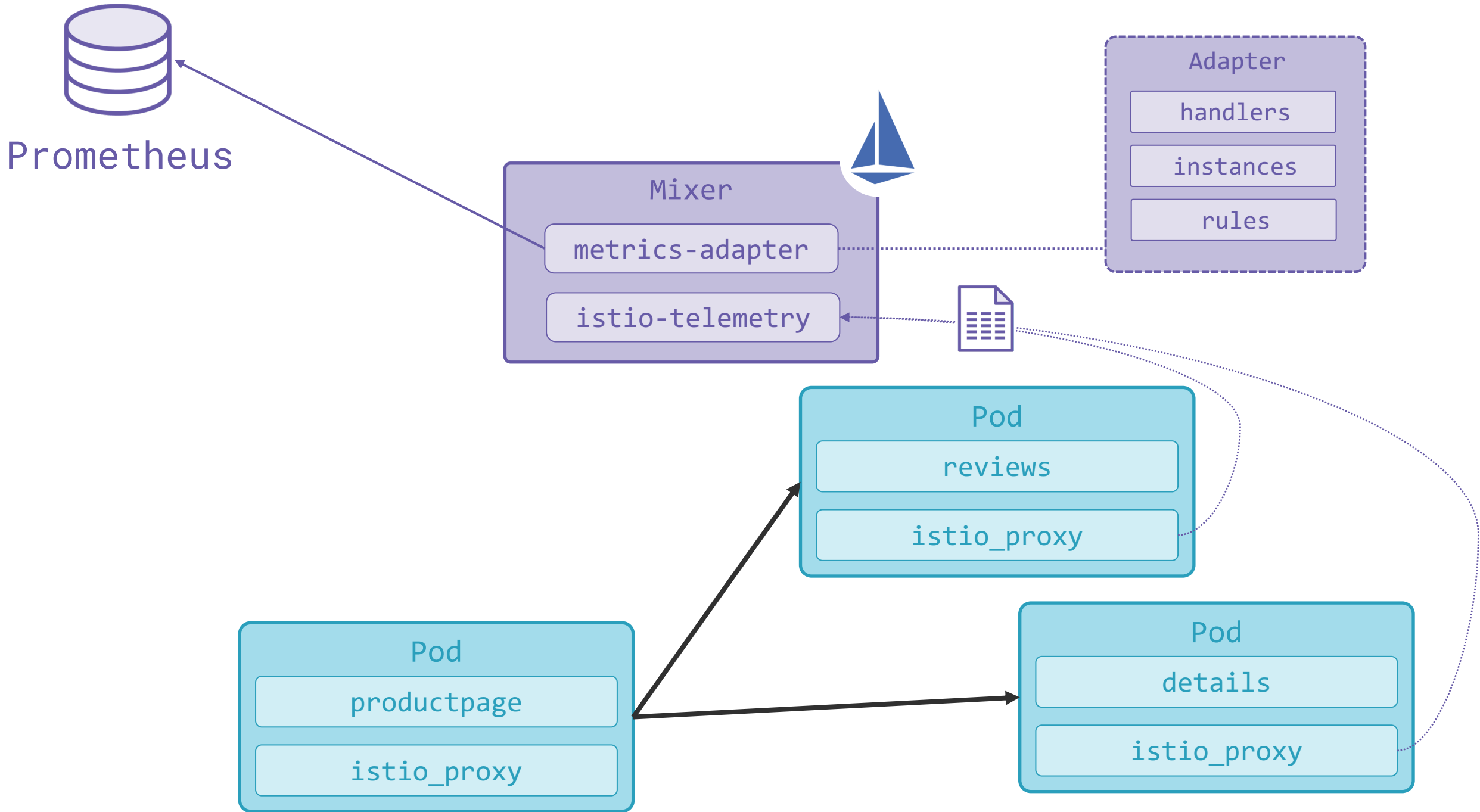
Jaeger



Kibana







# Demo



## Visualizing the Service Mesh

- Exposing the Kiali UI
- Exploring mesh graphs
- Monitoring canary rollouts

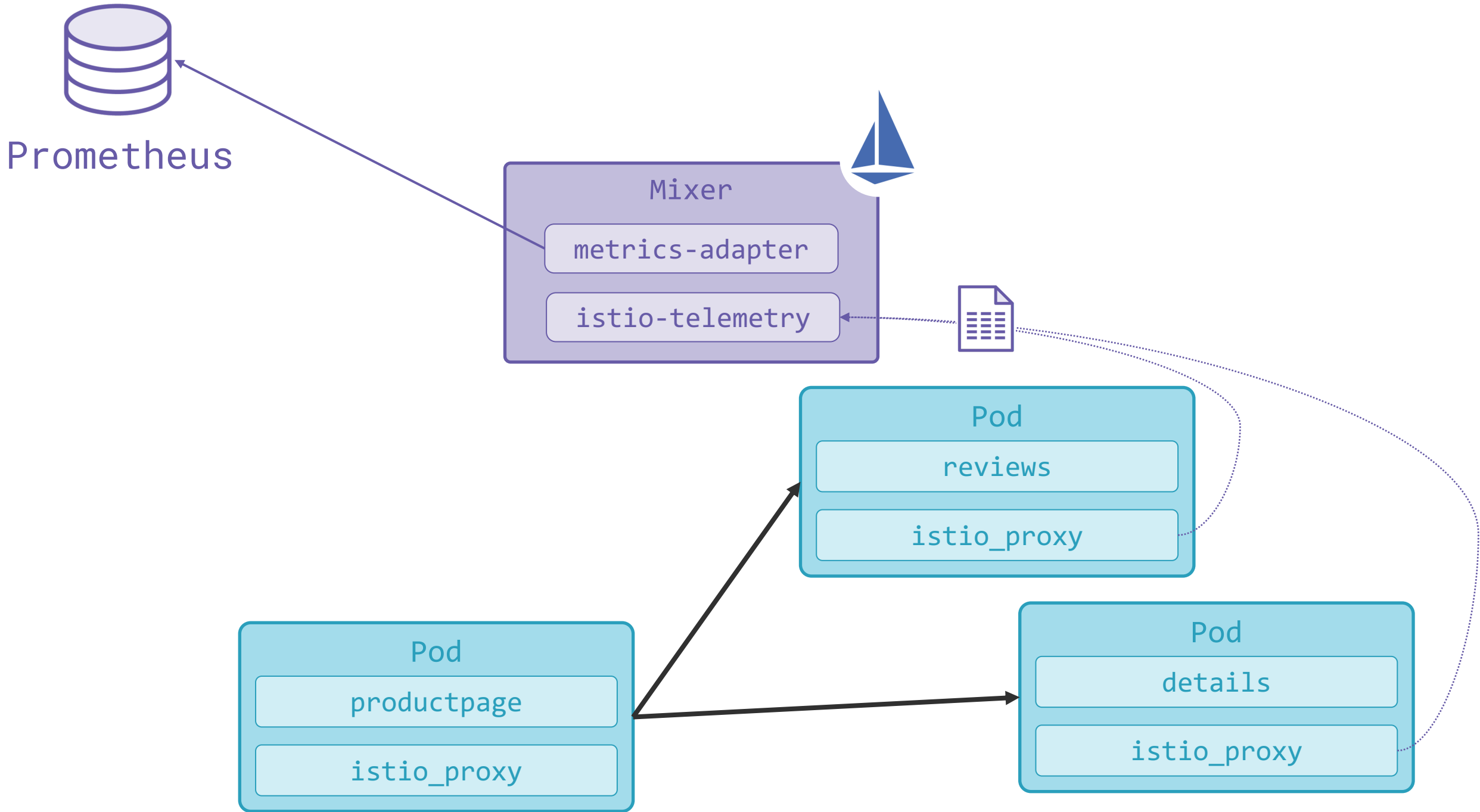
# Demo

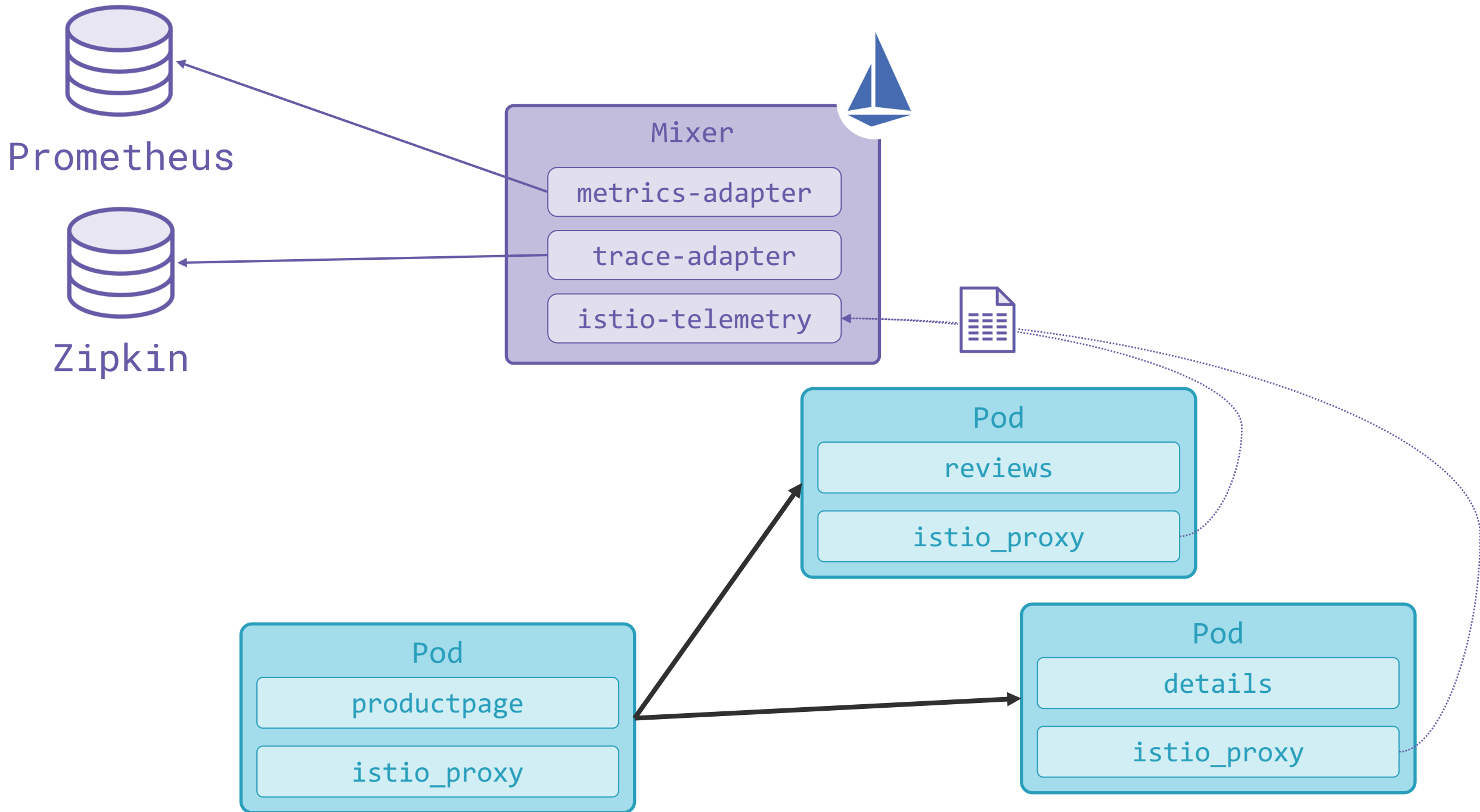


## Dashboards for Services and Istio

- Exposing Prometheus and Grafana
- Exploring Istio's dashboards
- Tracking down failed rollouts









**HTTP Headers**

- x-request-id
- x-b3-traceid
- x-b3-spanid
- x-b3-parentspanid
- x-b3-sampled
- x-b3-flags
- x-ot-span-context

**Pod**

- productpage
- istio\_proxy

**Pod**

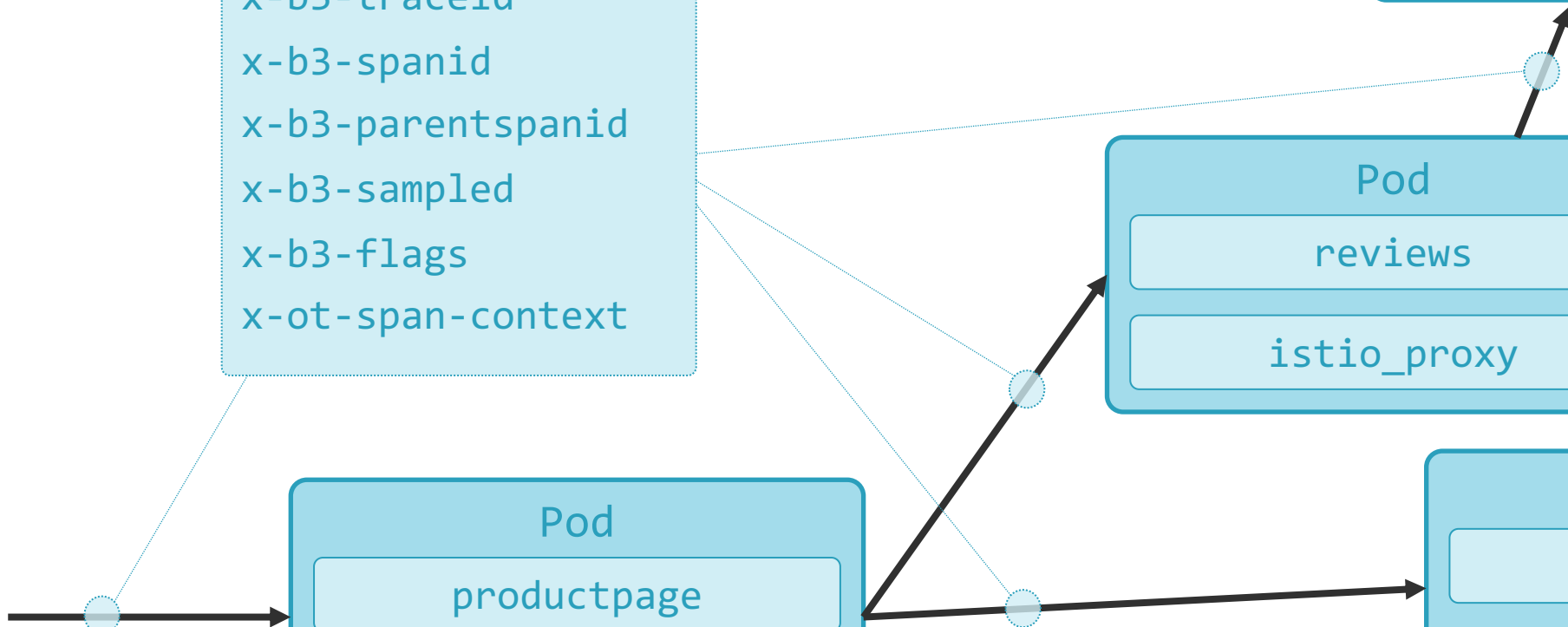
- reviews
- istio\_proxy

**Pod**

- ratings
- istio\_proxy

**Pod**

- details
- istio\_proxy

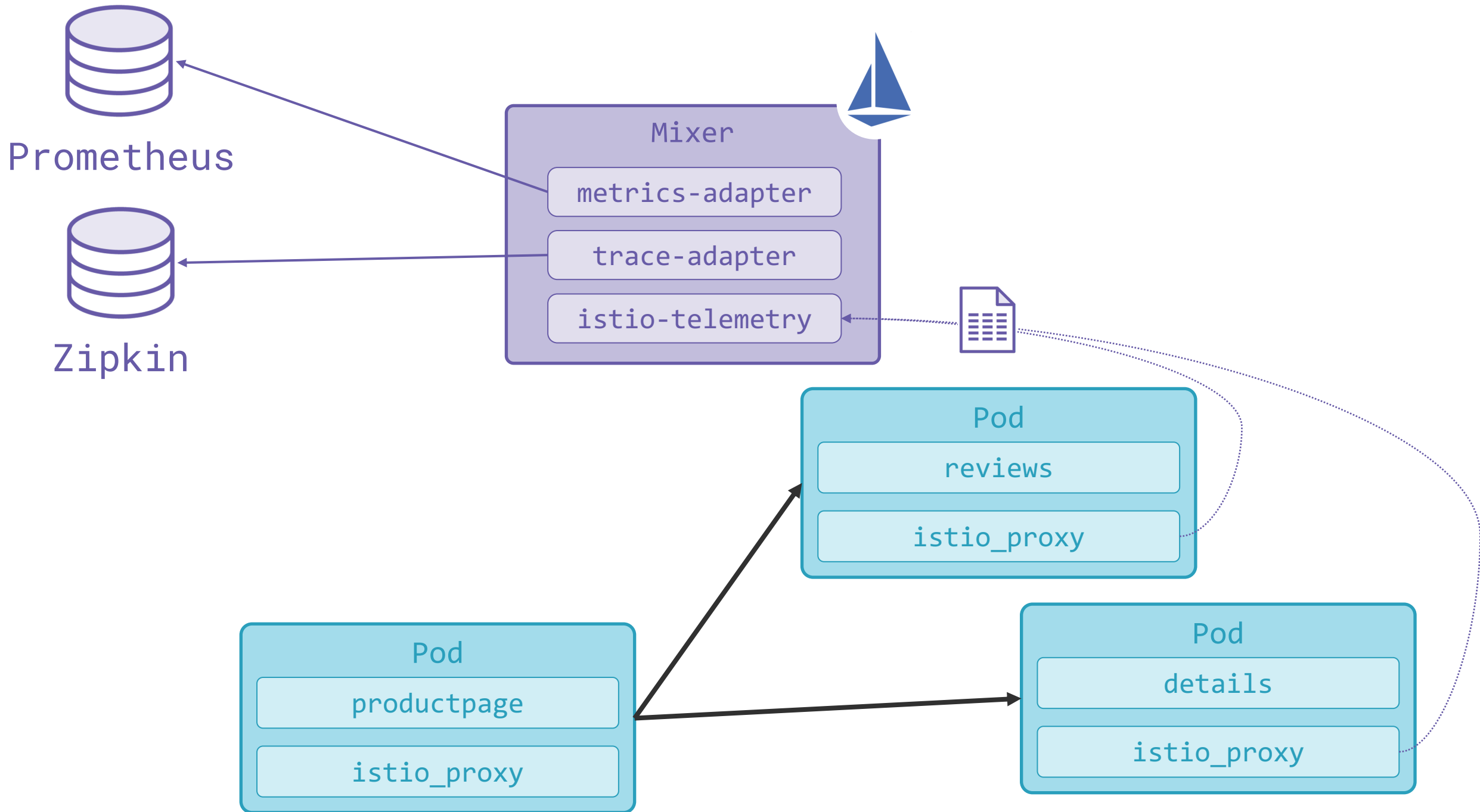


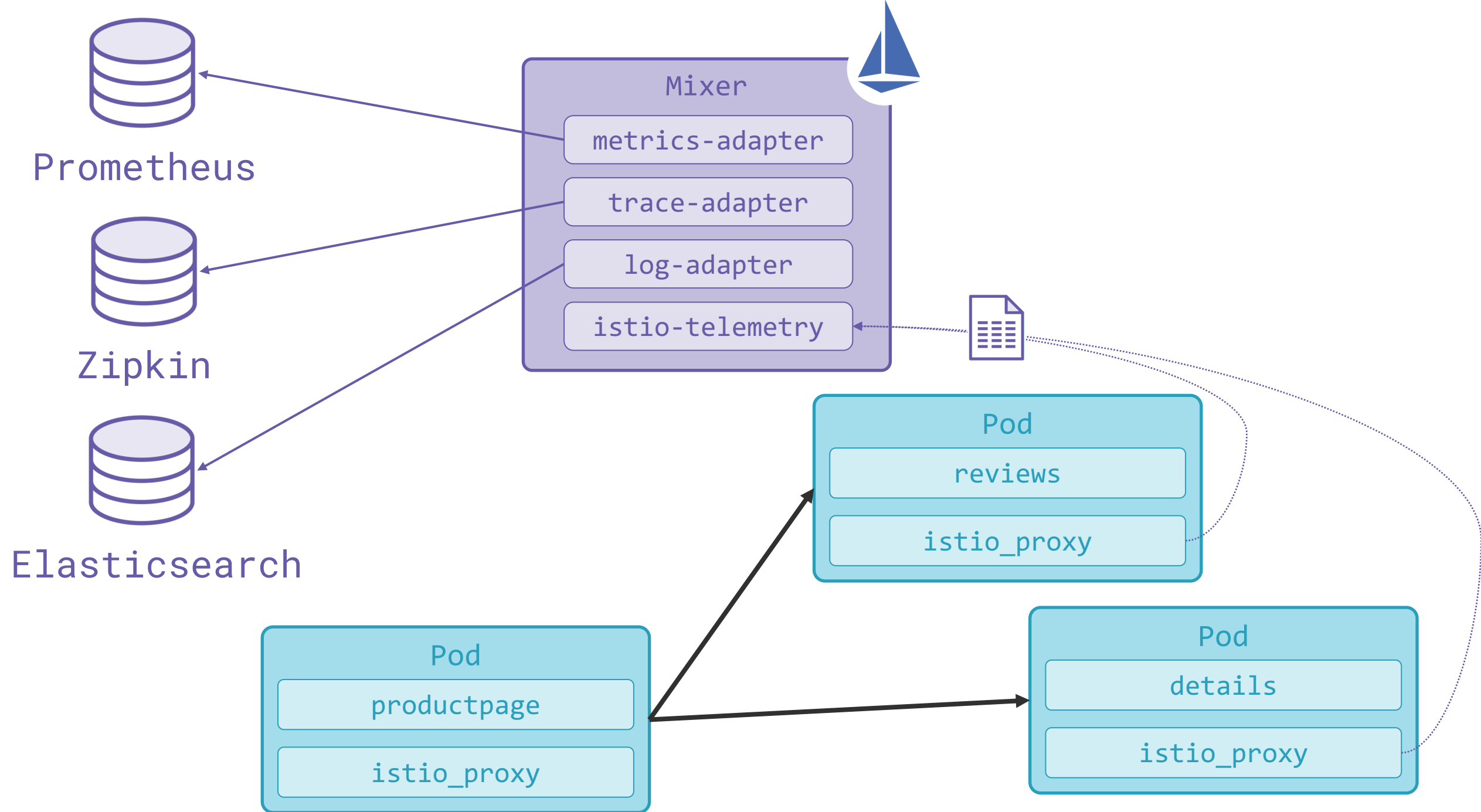
# Demo

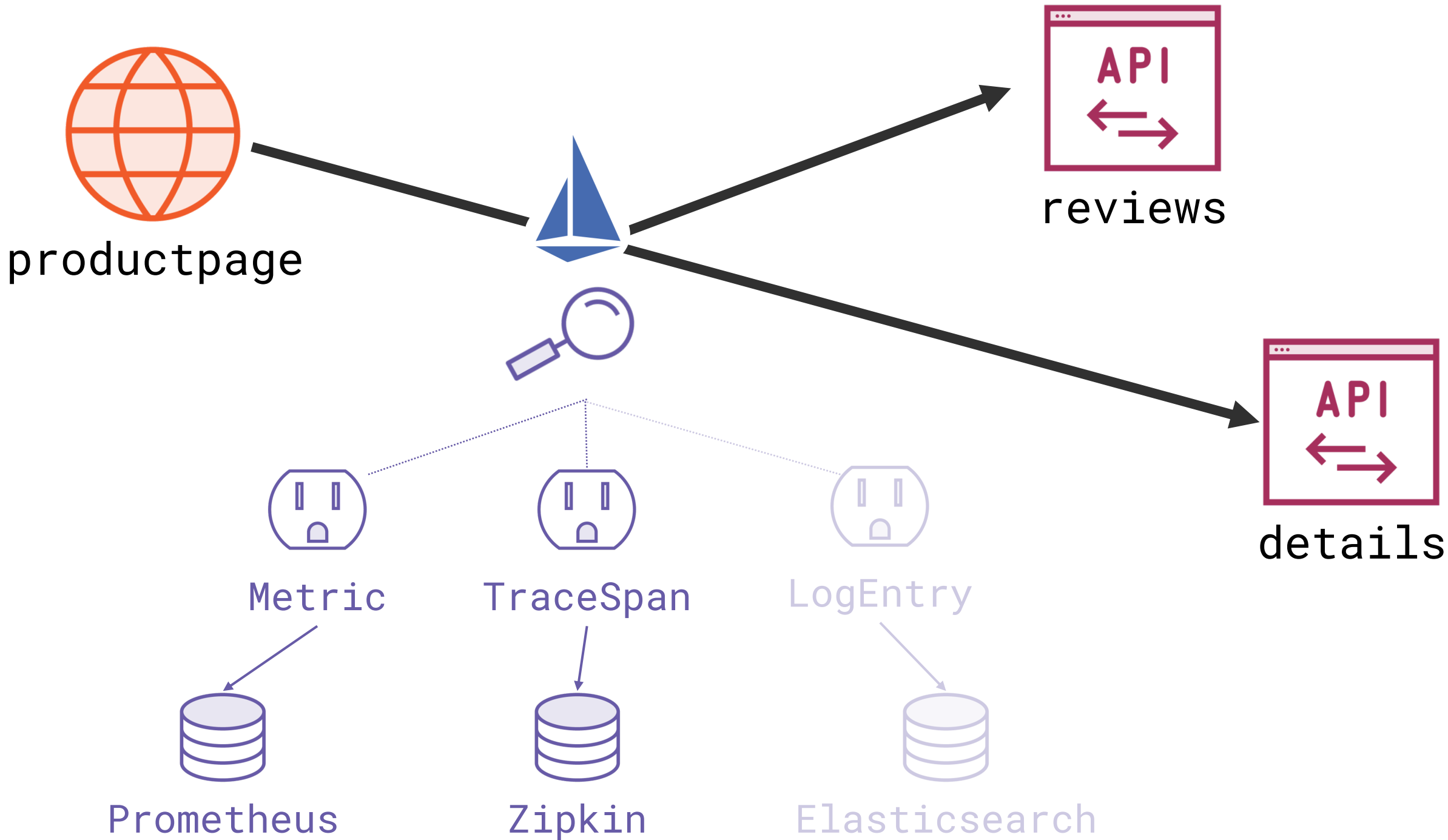


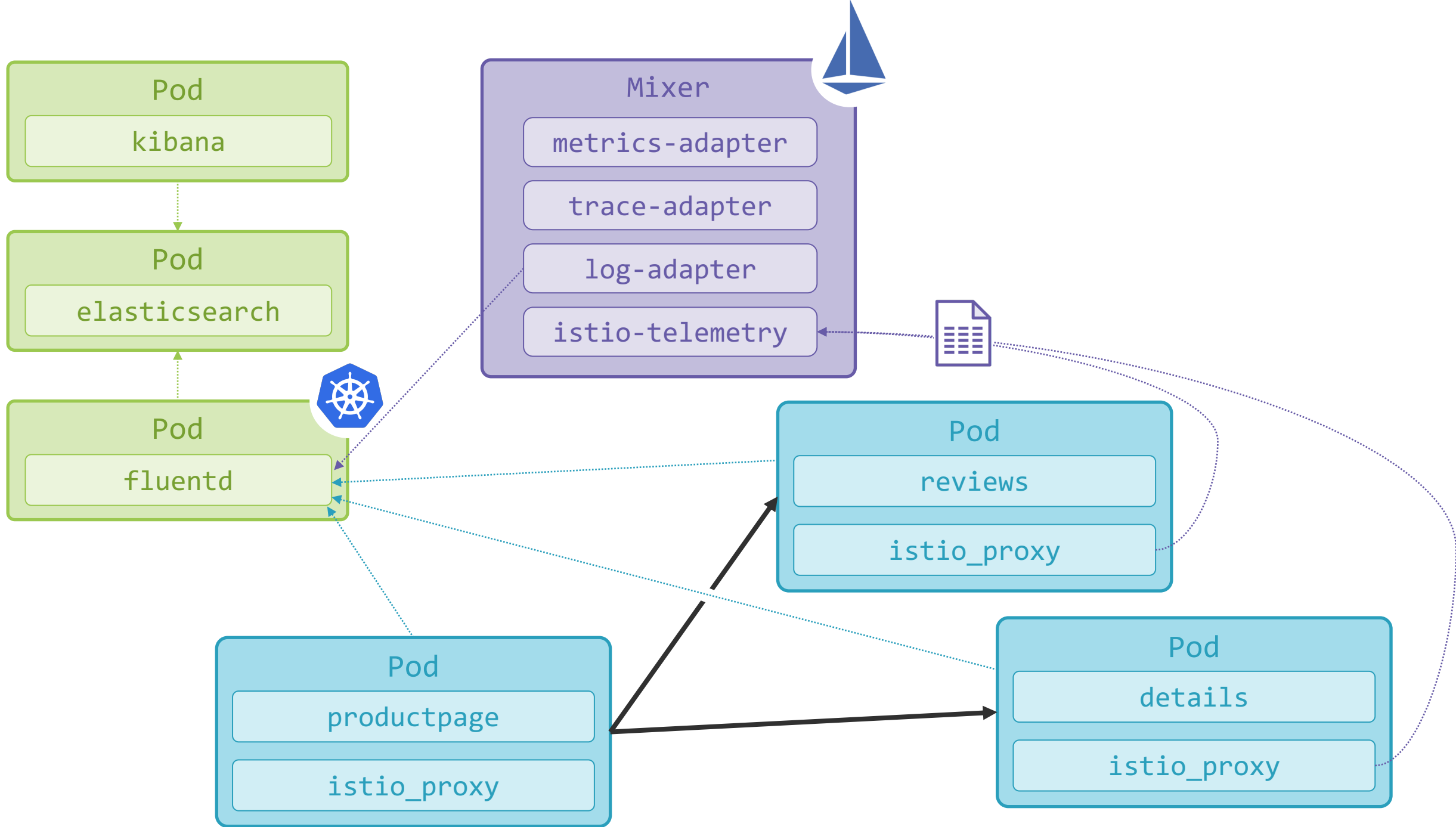
## Distributed Tracing

- Exposing the Jaeger UI
- Examining traces
- Investigating latency









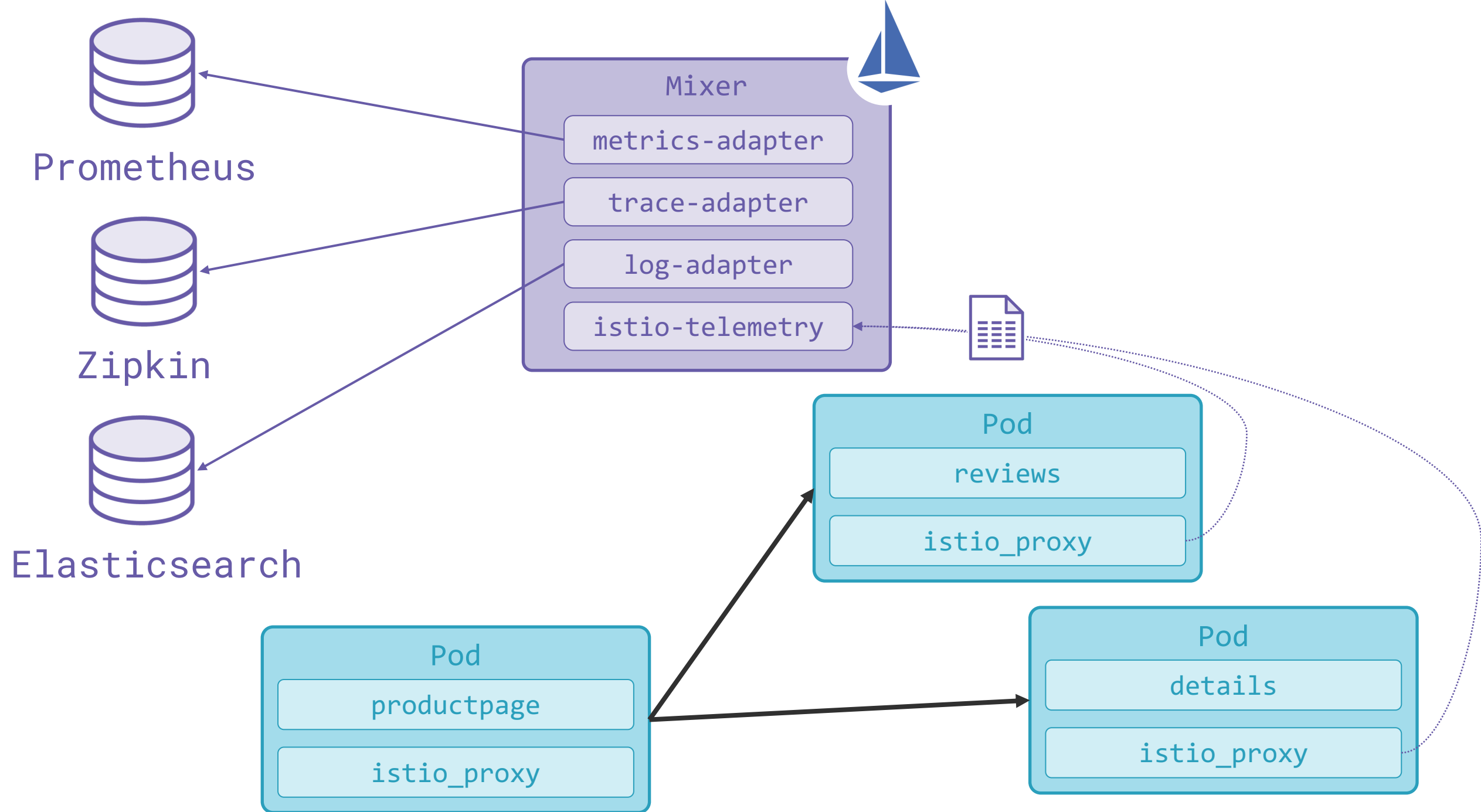


# Demo



## Logging with Fluentd and Kibana

- Deploying the EFK logging stack
- Configuring the log adapter
- Exploring Istio's log entries





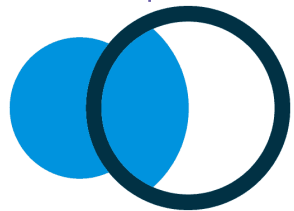
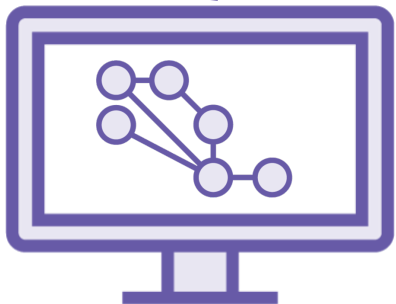
Prometheus



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Kiali



Grafana



Jaeger



Kibana

# Summary



## Telemetry in Istio

- Proxy reports
- Mixer adapters
- Back-end data stores

## Adapters

- Metric: Prometheus
- TraceSpan: Zipkin
- LogEntry: Fluentd

## Front-ends

- Kiali & Grafana
- Jaeger
- Kibana

Up Next:

Running Istio in Production

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