

Observing the Service Network

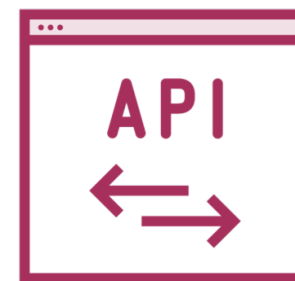


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productpage



reviews



Metric



Prometheus



TraceSpan



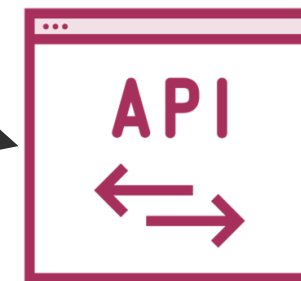
Zipkin



LogEntry



Elasticsearch



details



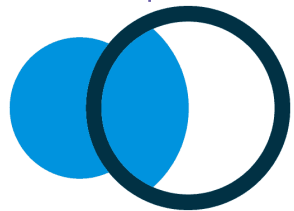
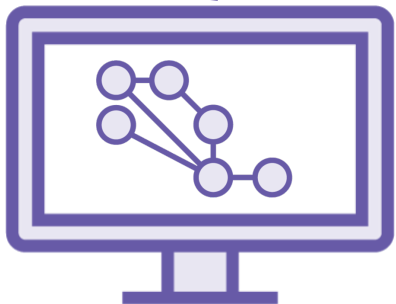
Prometheus



Zipkin



Elasticsearch



Kiali



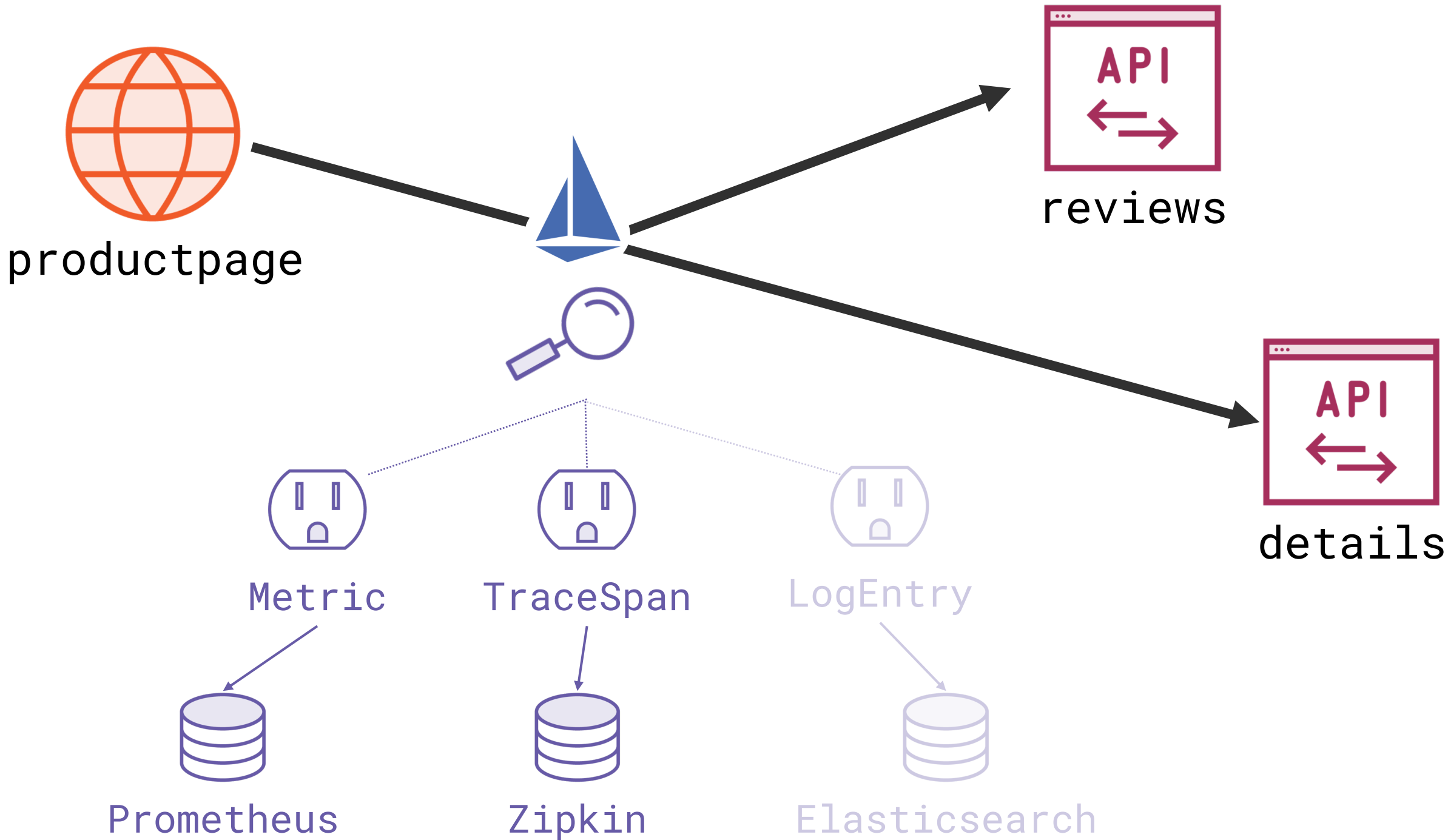
Grafana

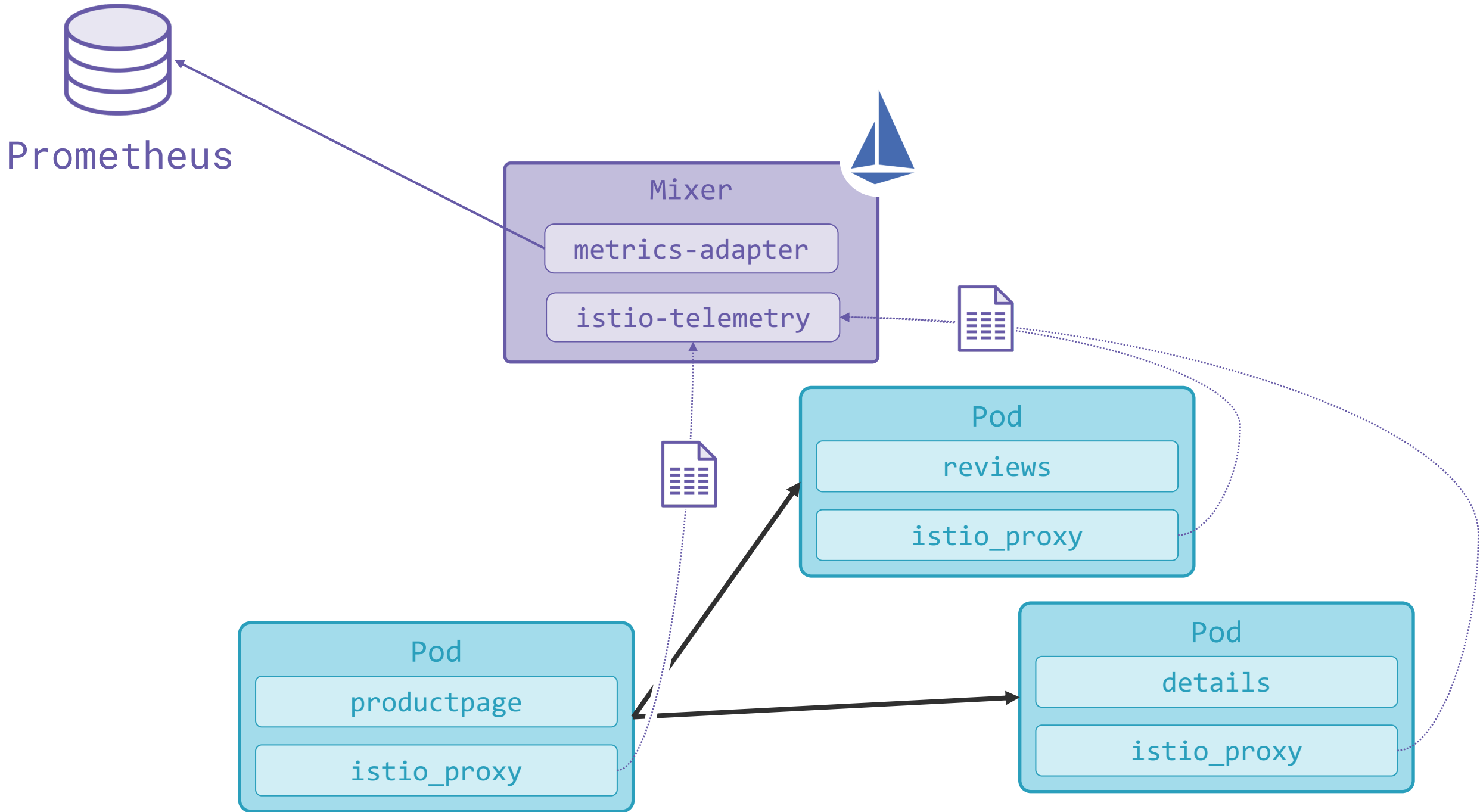


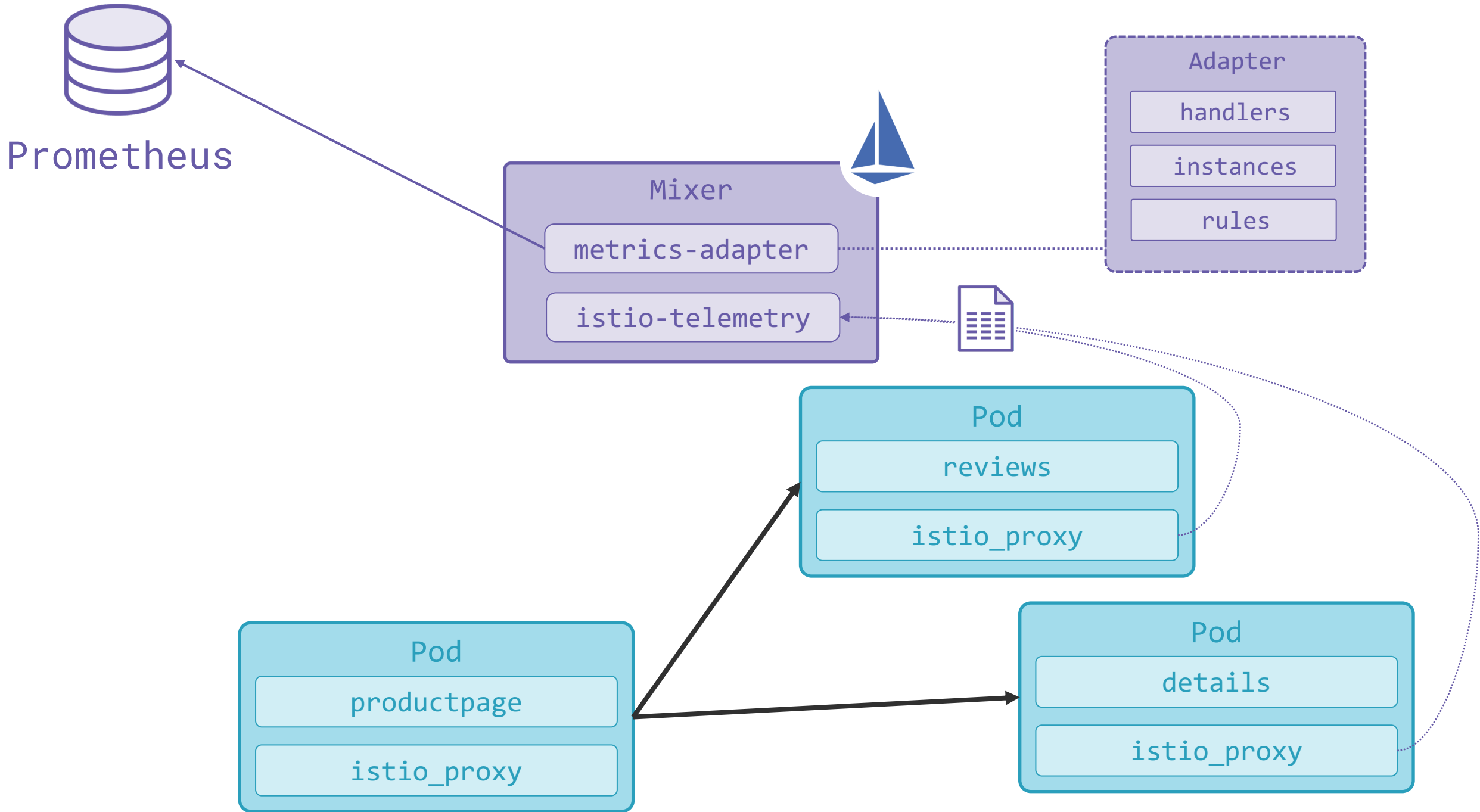
Jaegar



Kibana







Demo



Visualizing the Service Mesh

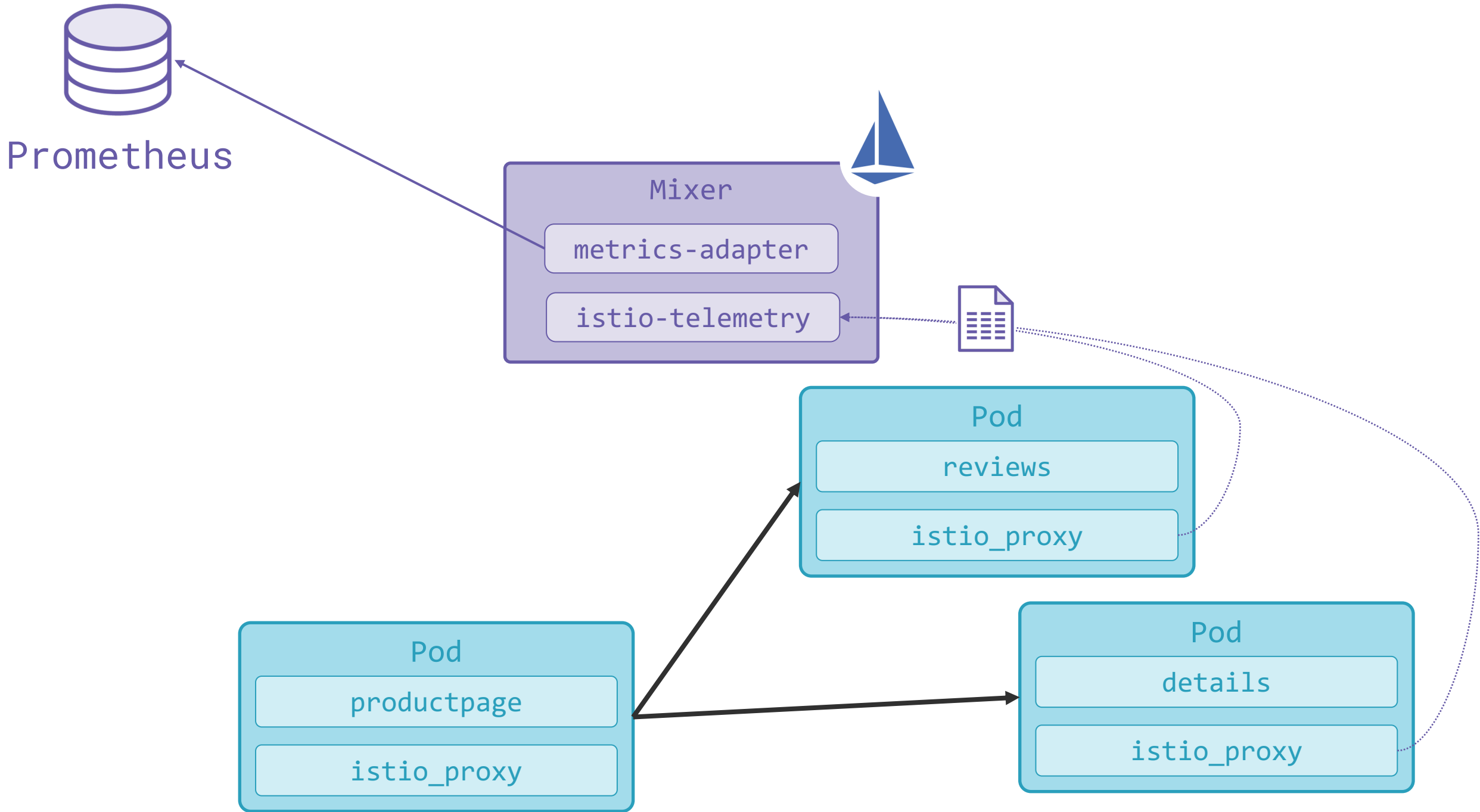
- Exposing the Kiali UI
- Exploring mesh graphs
- Monitoring canary rollouts

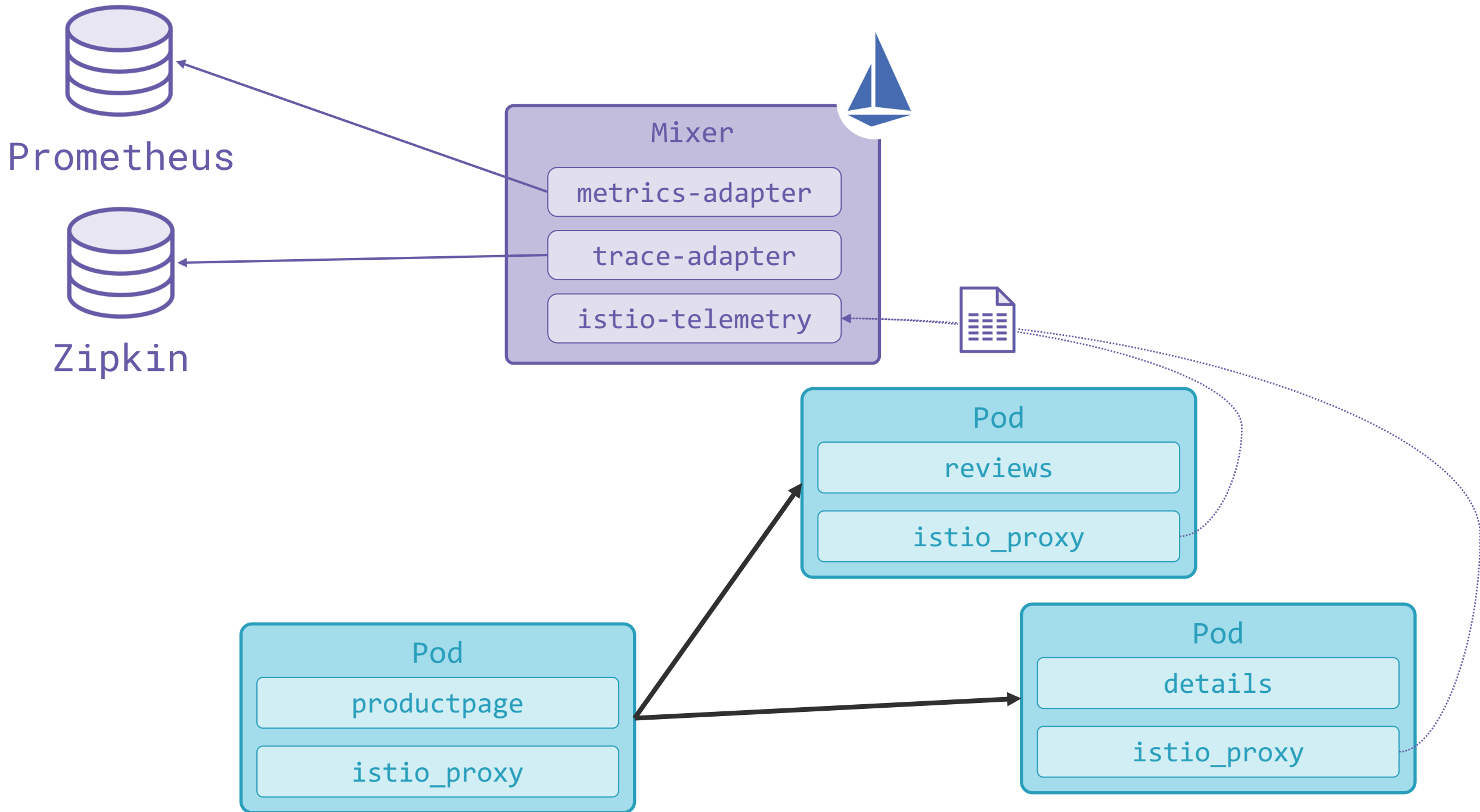
Demo



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

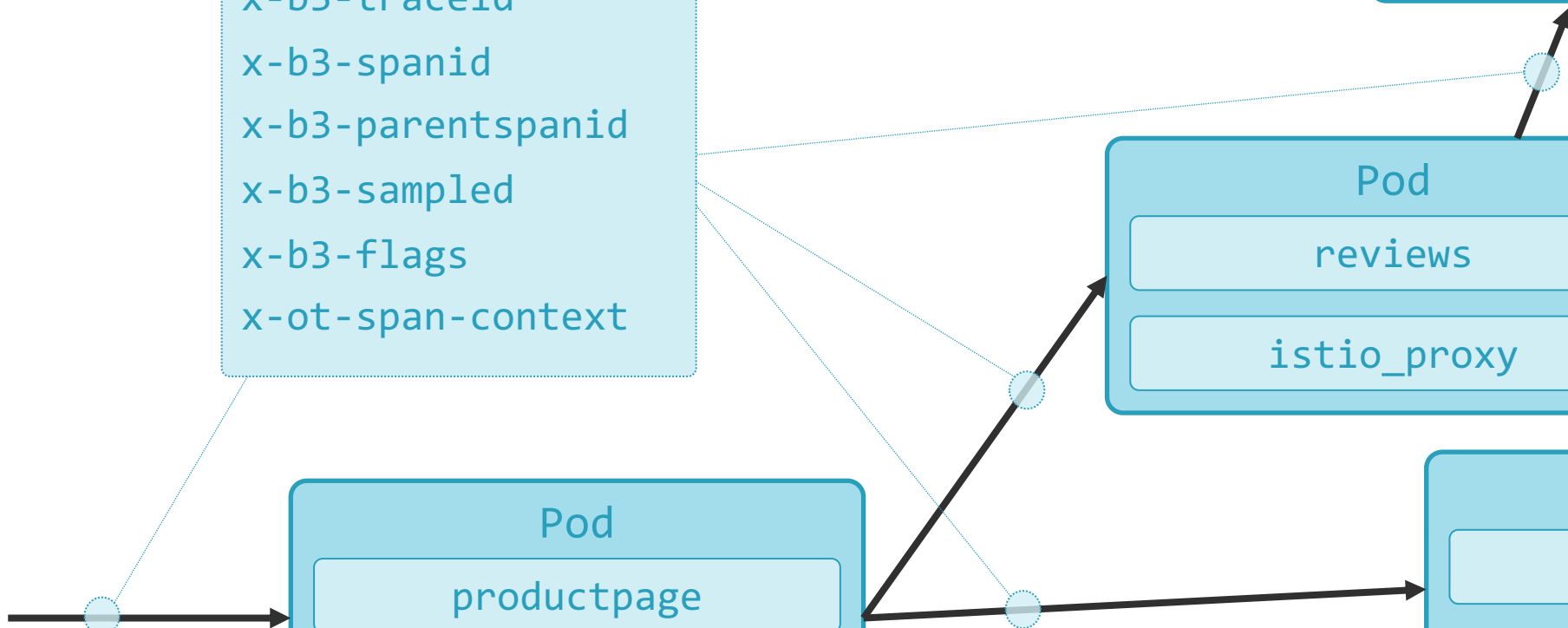
- reviews
- istio_proxy

Pod

- ratings
- istio_proxy

Pod

- details
- istio_proxy

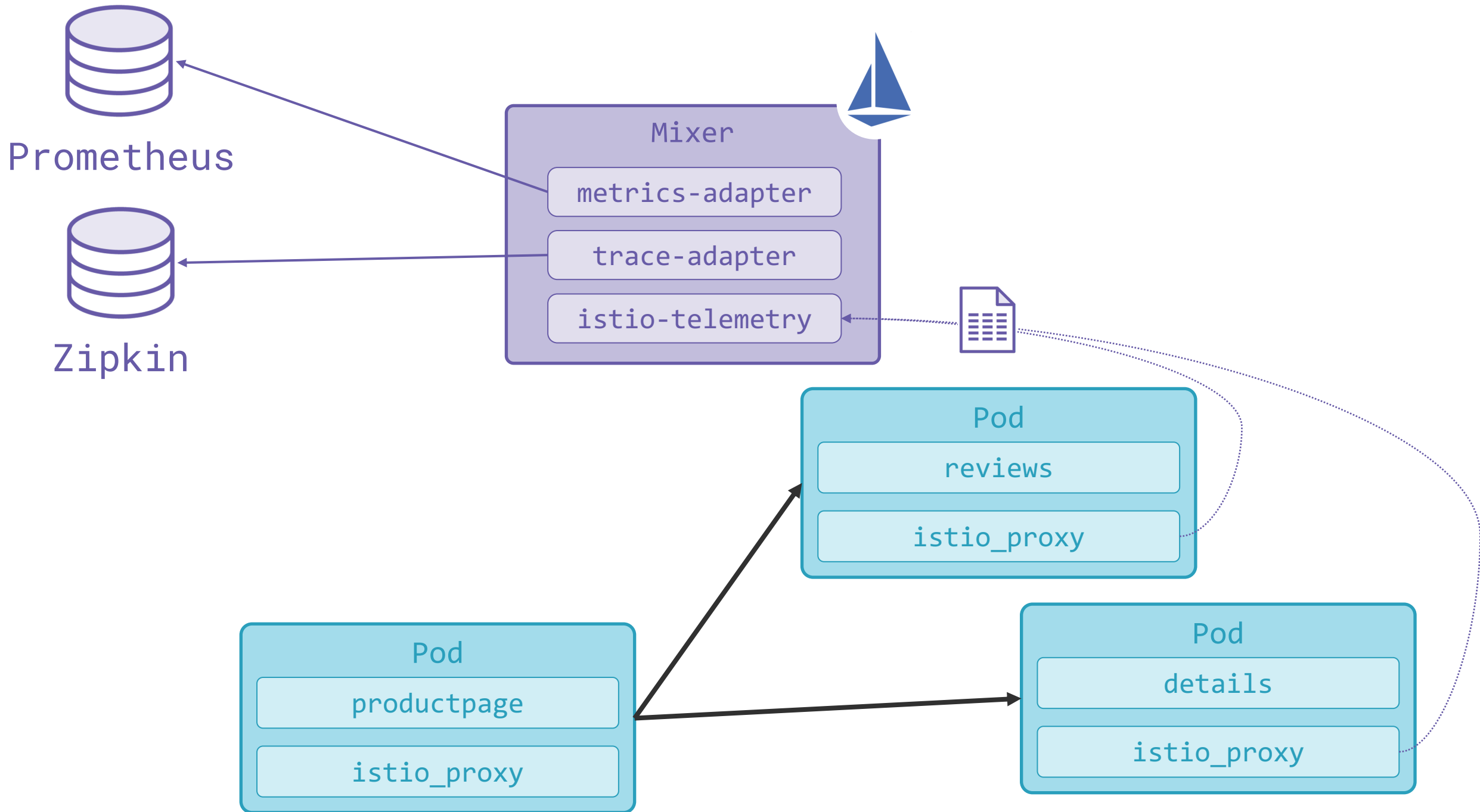


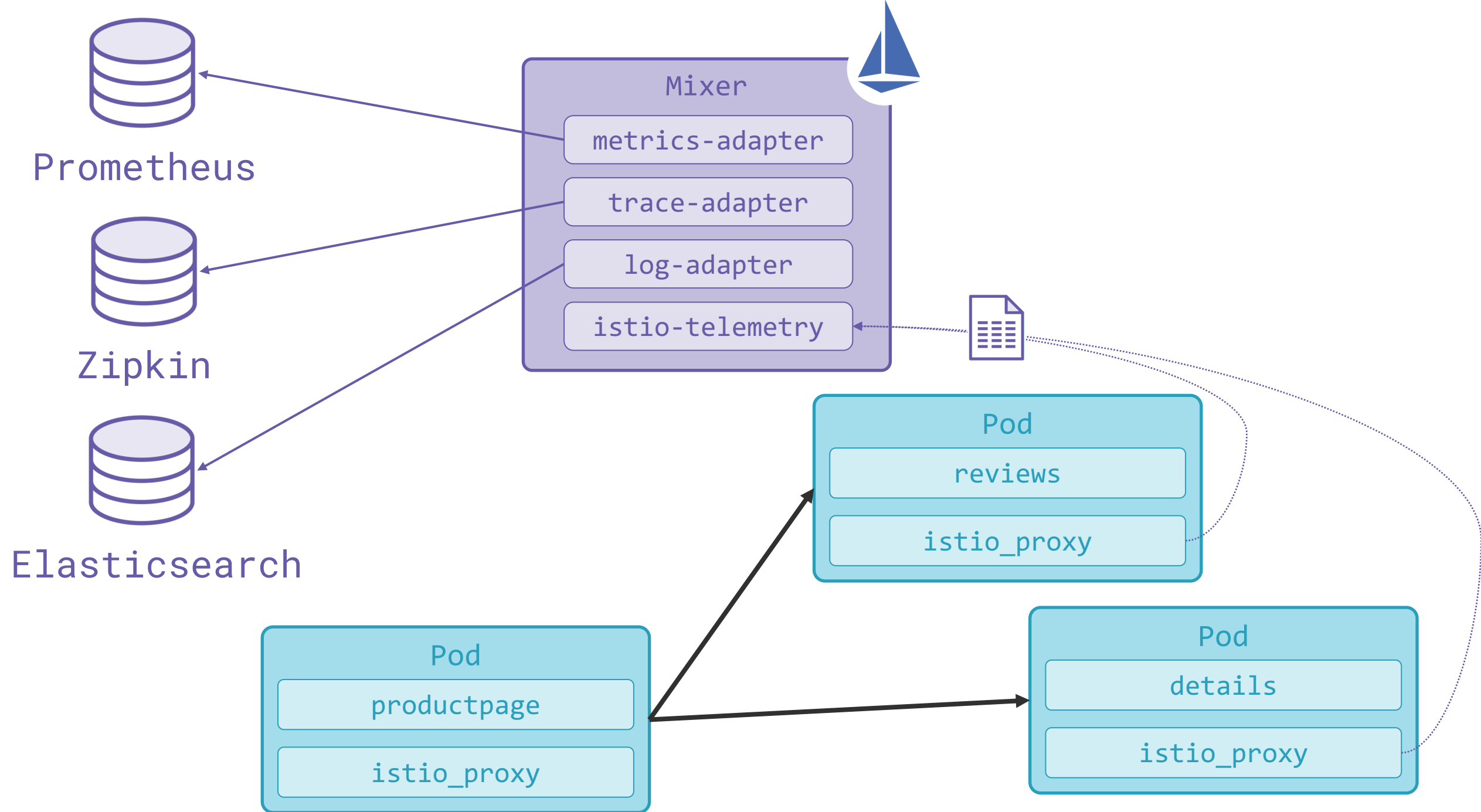
Demo

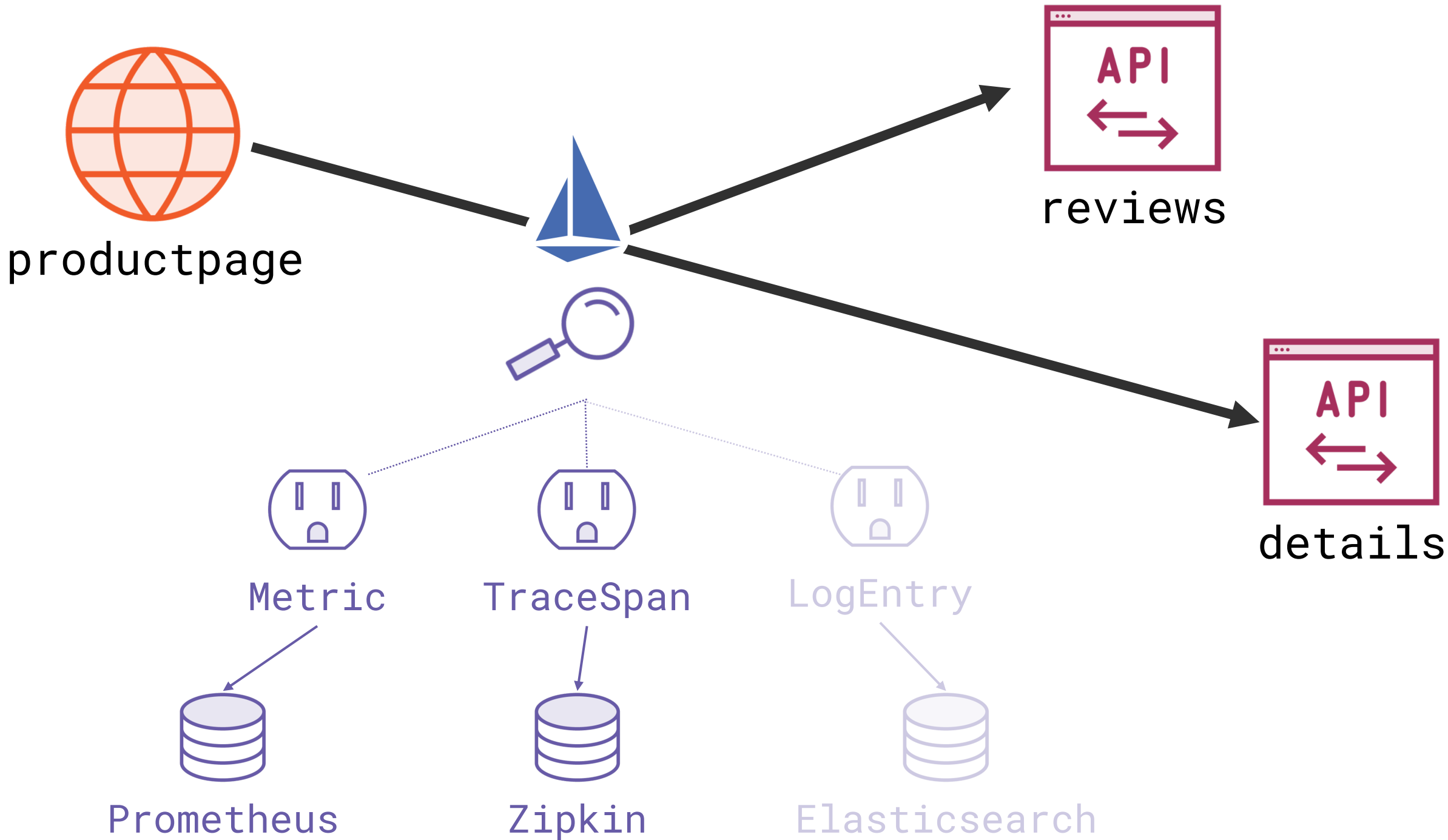


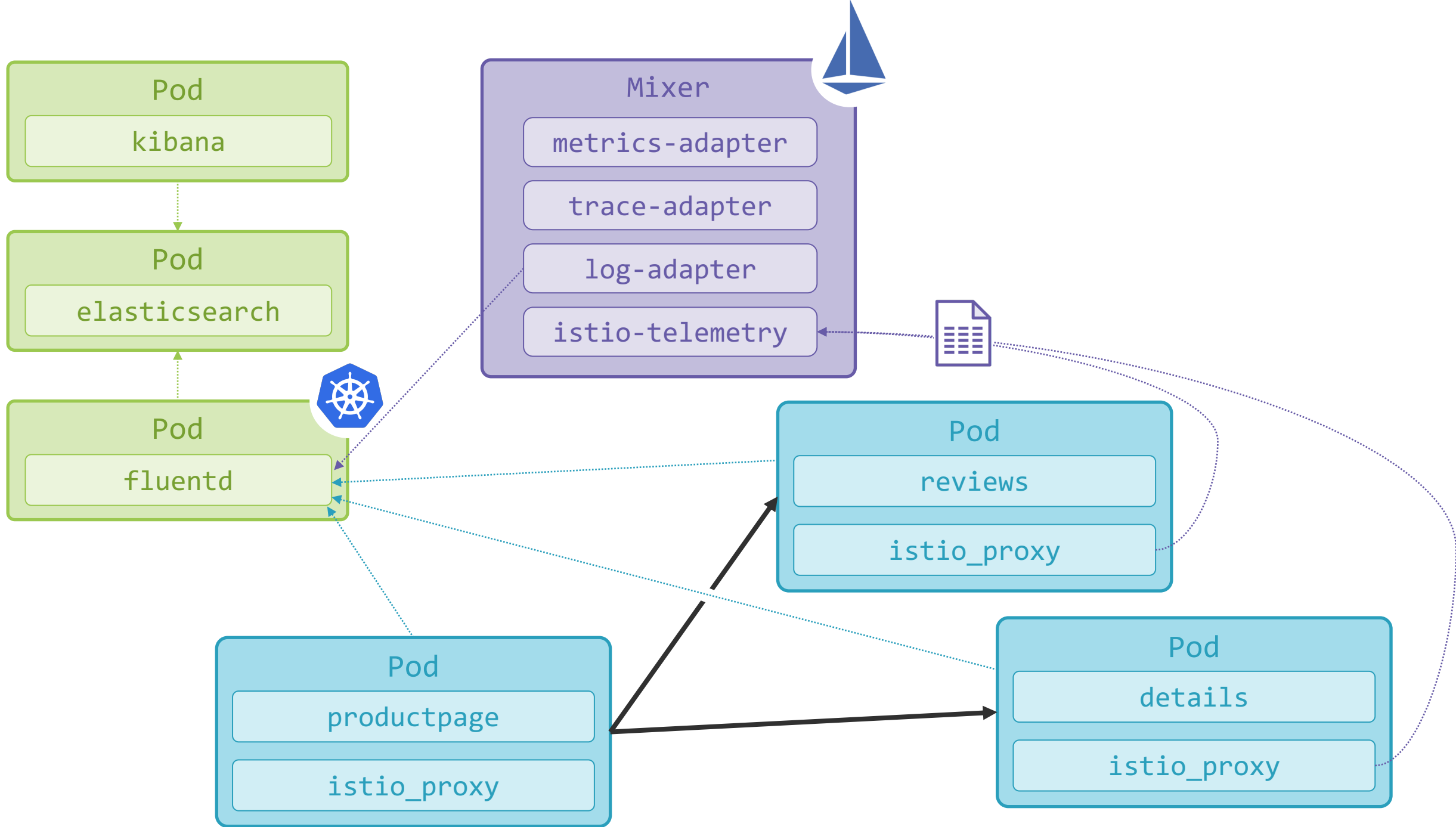
Distributed Tracing

- Exposing the Jaegar UI
- Examining traces
- Investigating latency







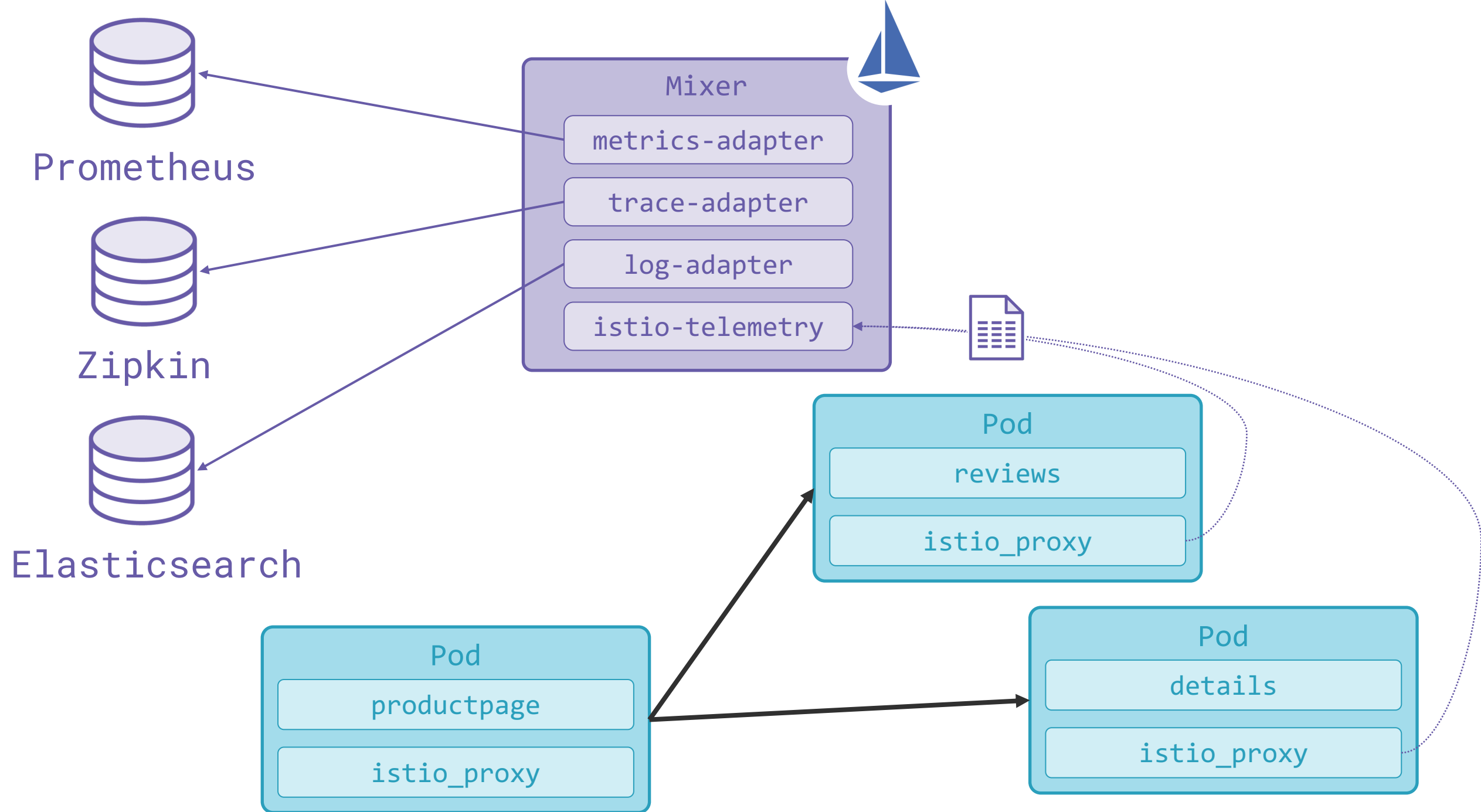


Demo



Logging with Fluentd and Kibana

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





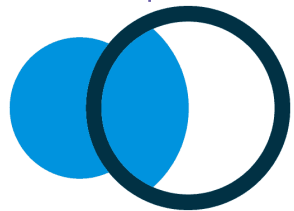
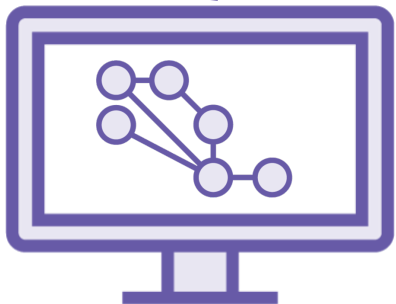
Prometheus



Zipkin



Elasticsearch



Kiali



Grafana



Jaegar



Kibana

Summary



Telemetry in Istio

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

Adapters

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

Front-ends

- Kiali & Grafana
- Jaegar
- Kibana

Up Next:

Running Istio in Production
