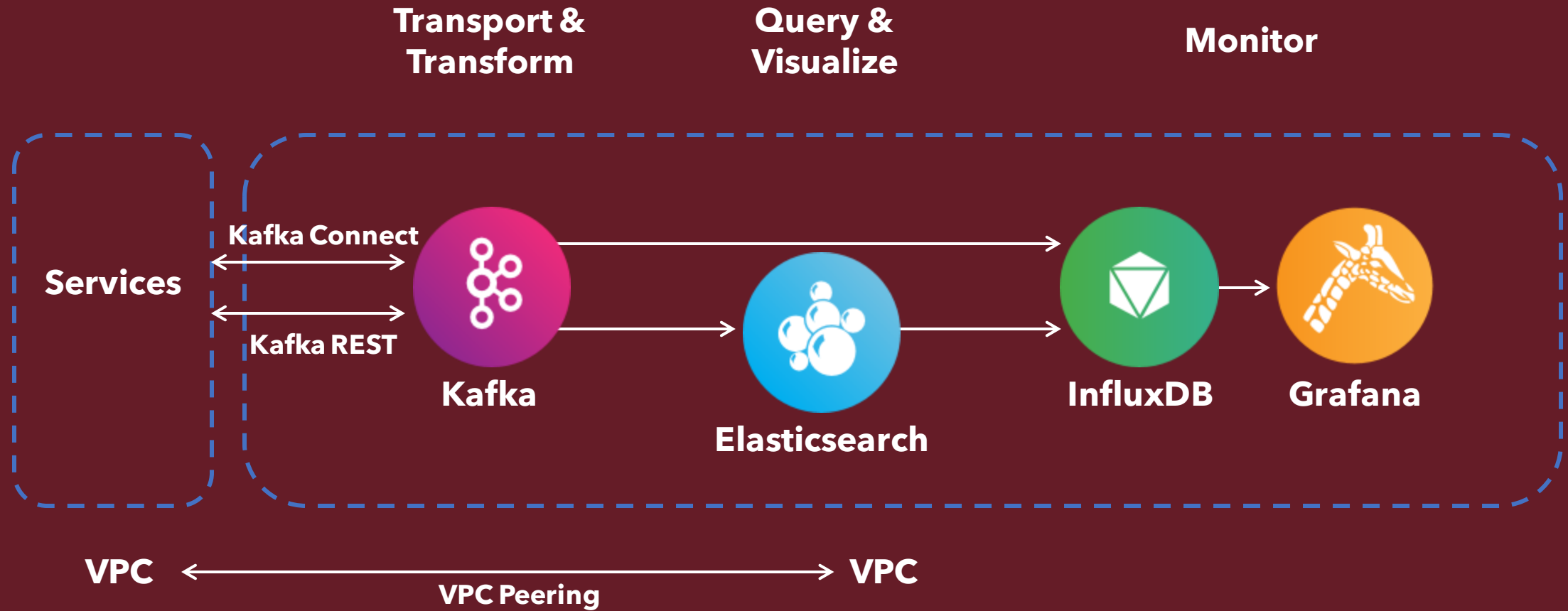


Architecture



Services 1/2

- VPC
 - Isolate infrastructure from public internet
 - Expose select services to particular IP ranges, e.g. your company network
 - Connect to your cloud with VPC Peering Connection*
- Kafka
 - Send data to and from Kafka through Kafka REST or connectors
 - Add encryption in transit* for added security
 - Set up granular access with ACLs*
 - Save storage with Avro* and Schema Registry*
 - Perform simple transforms with Elasticsearch sink connector
 - Or add e.g. Kafka Streams for more complex scenarios
 - Set up suitable data retention time

* Feature not included in sample infrastructure

Services 2/2

- Elasticsearch
 - Ingest data via connectors for Kafka topics
 - Query via REST API
 - Gain insights from data with Kibana*
 - Set up granular access with ACLs*
- InfluxDB and Grafana
 - Built-in integrations to collect metrics from Kafka and Elasticsearch
 - Built-in integration to visualize InfluxDB data as dashboards in Grafana
 - Send alerts* to Kafka and other services

* Feature not included in sample infrastructure

Cost

Service	Plan	Cost
Kafka	Business-8	\$1000 / month
Elasticsearch	Business-32	\$2200 / month
InfluxDB	Startup-4	\$60 / month
Grafana	Startup-1	\$35 / month
Total		\$3295 / month

- Cost estimates are based on Google Cloud Platform and europe-west-1 (Belgium).