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SECURE YOUR GROWTH

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Data is the new oil

"Data is the new oil. It's valuable, but if unrefined it cannot really be used. It has to be changed into gas, plastic, chemicals, etc to create a valuable entity that drives profitable activity; so must data be broken down, analyzed for it to have value."

Clive Humby, UK Mathematician and architect of Tesco's Clubcard, 2006

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The Data Pond in NonStop

- Advanced Monitoring and Alerting
- SIEM
- Fraud Detection
- Machine Learning / AI
- Forensic Searching
- Business Intelligence

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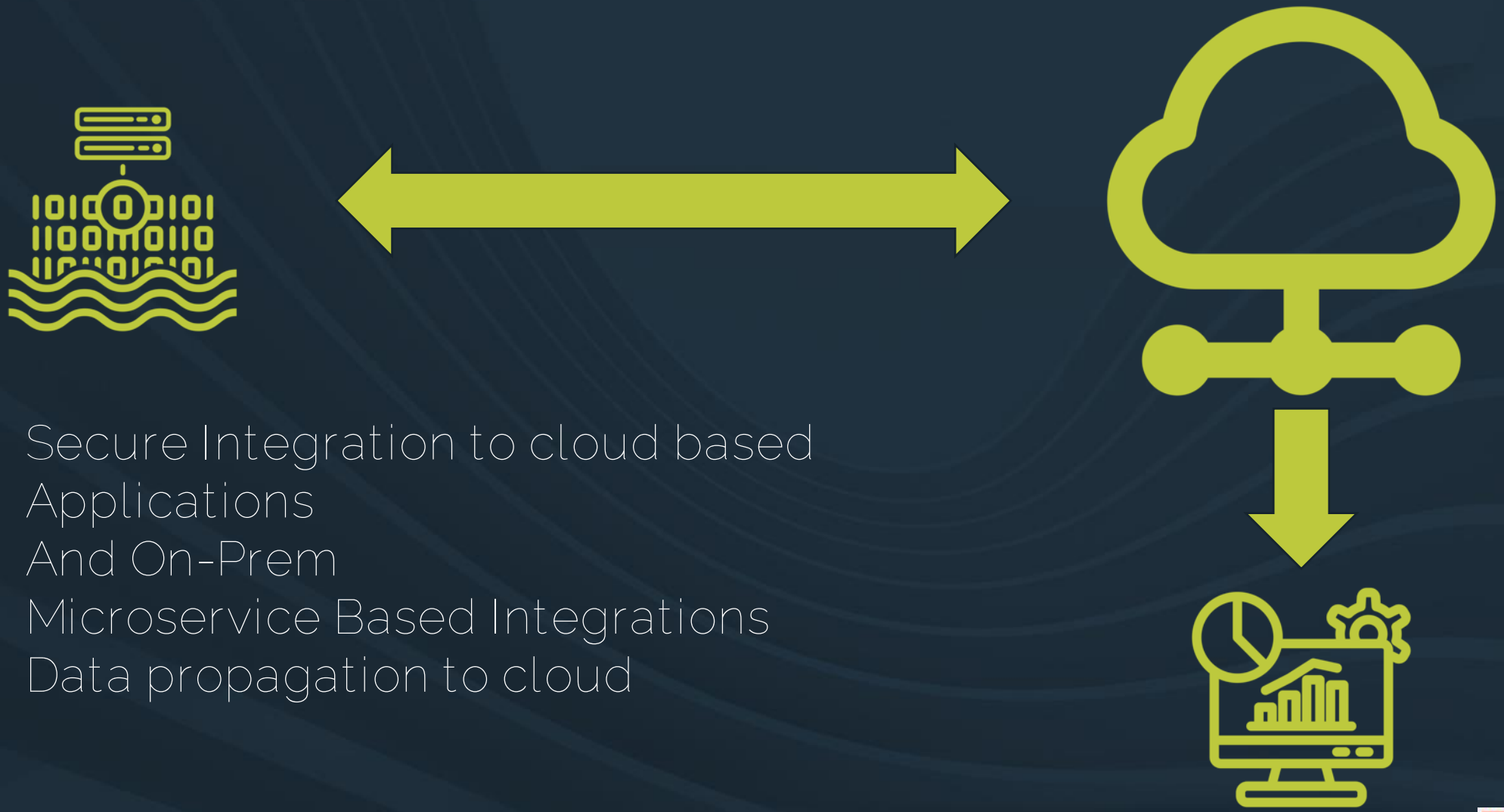
The Data Bridge



- Secure Integration to cloud based Applications
- And On-Prem
- Microservice Based Integrations
- Data propagation to cloud

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A Potential Pipeline

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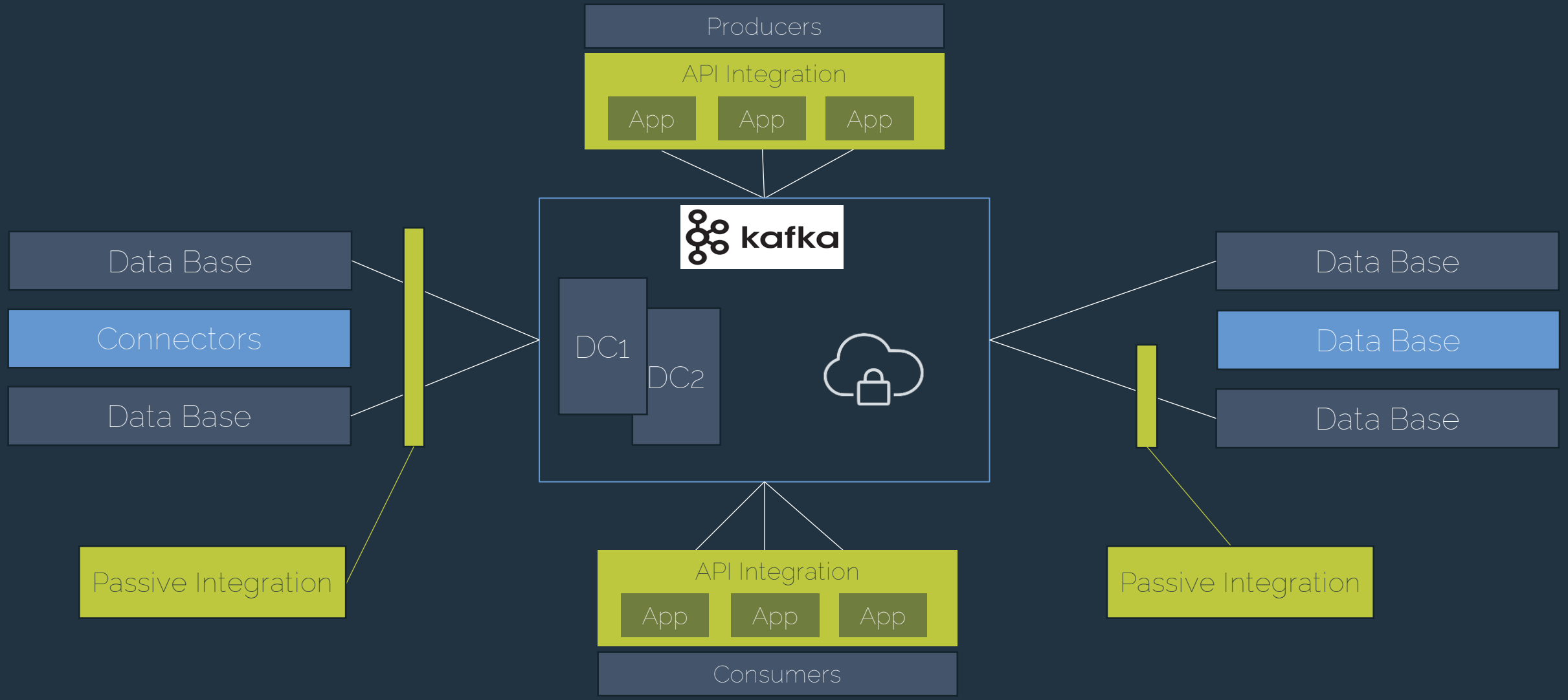
SecurDPS Kafka Integration Overview



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Potential Uses

Machine Learning	**Data Visualisation**	**Alerting**
Monitoring	**SIEM Functions**	**Forensic Investigation**

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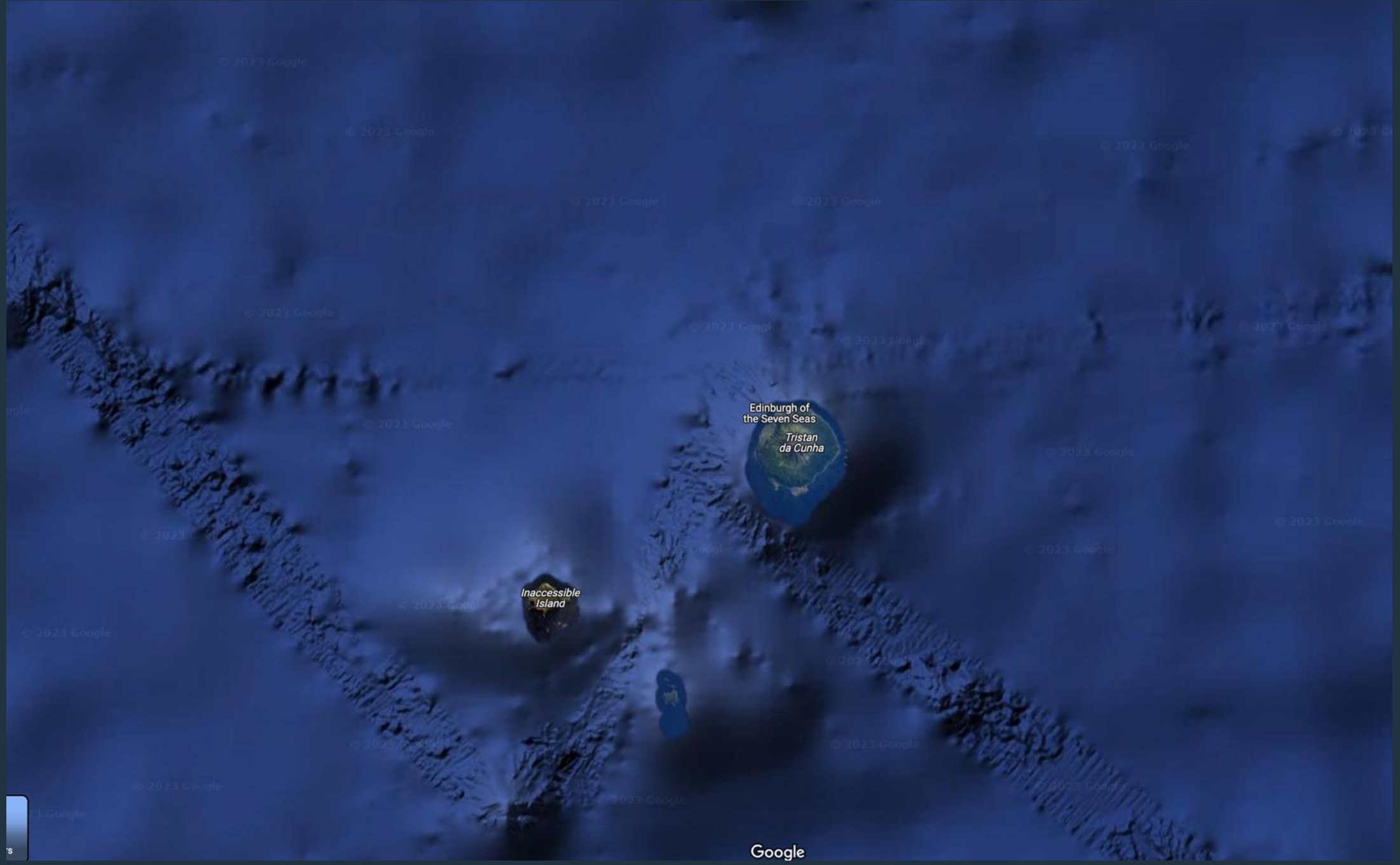

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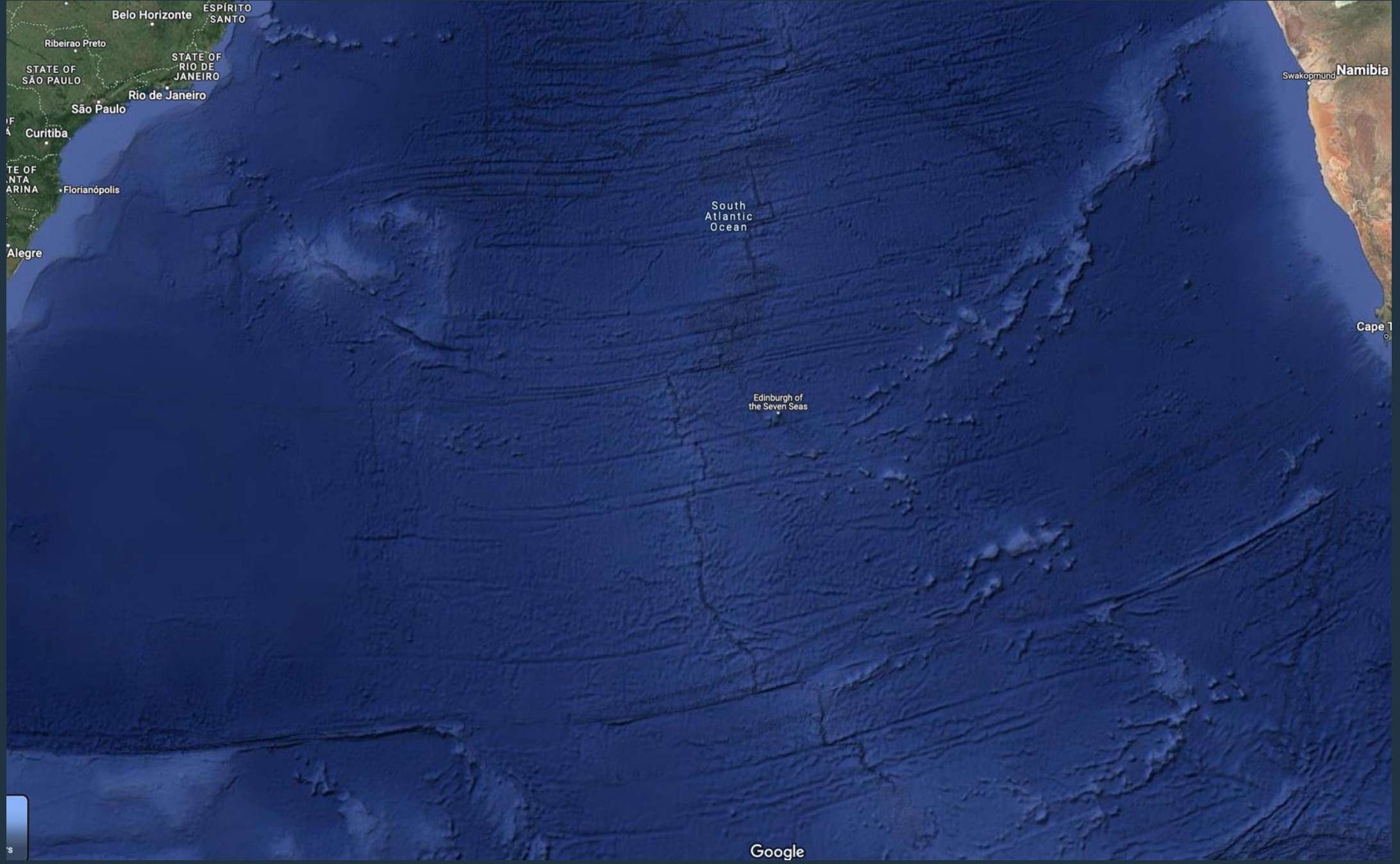

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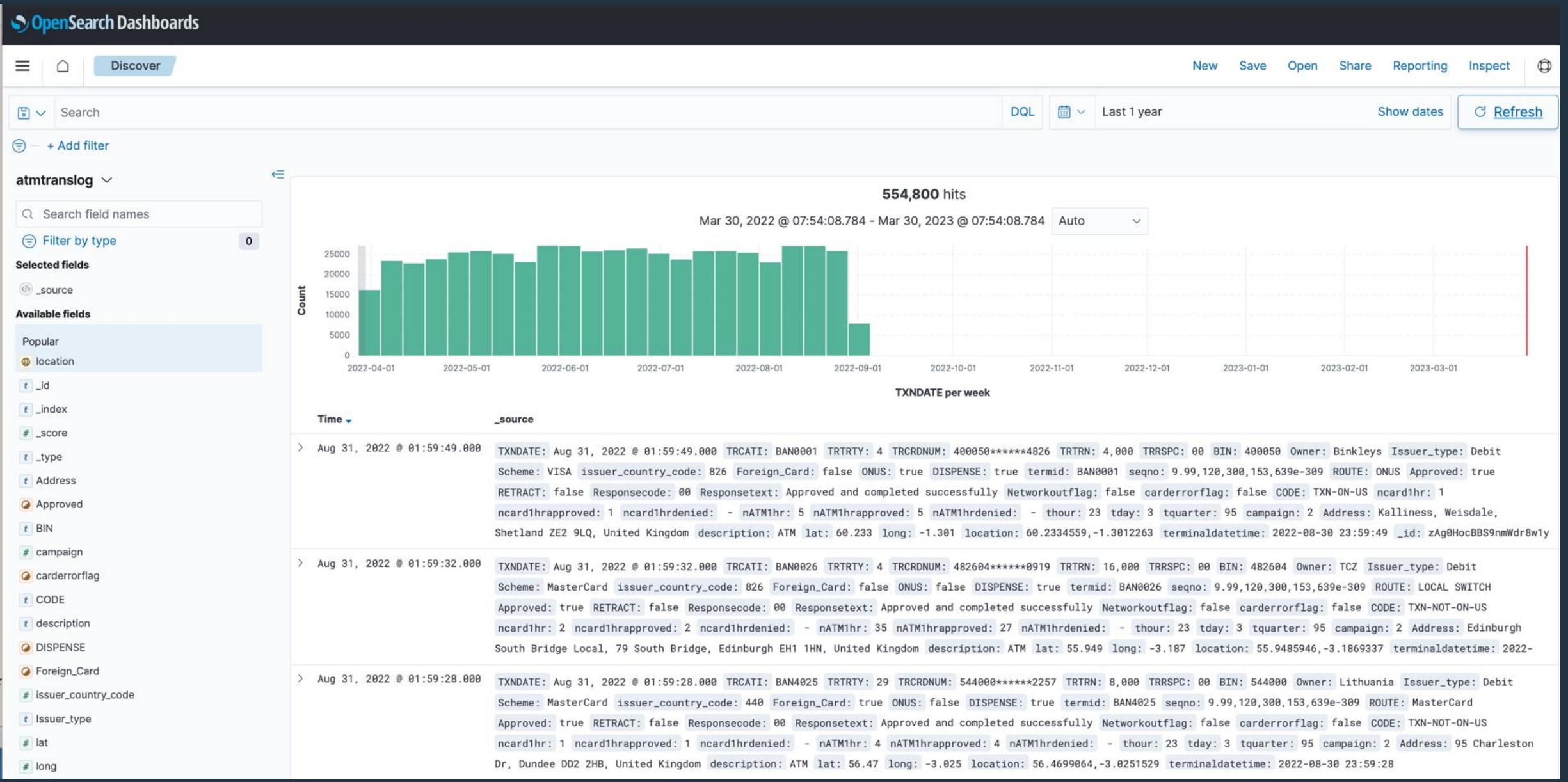

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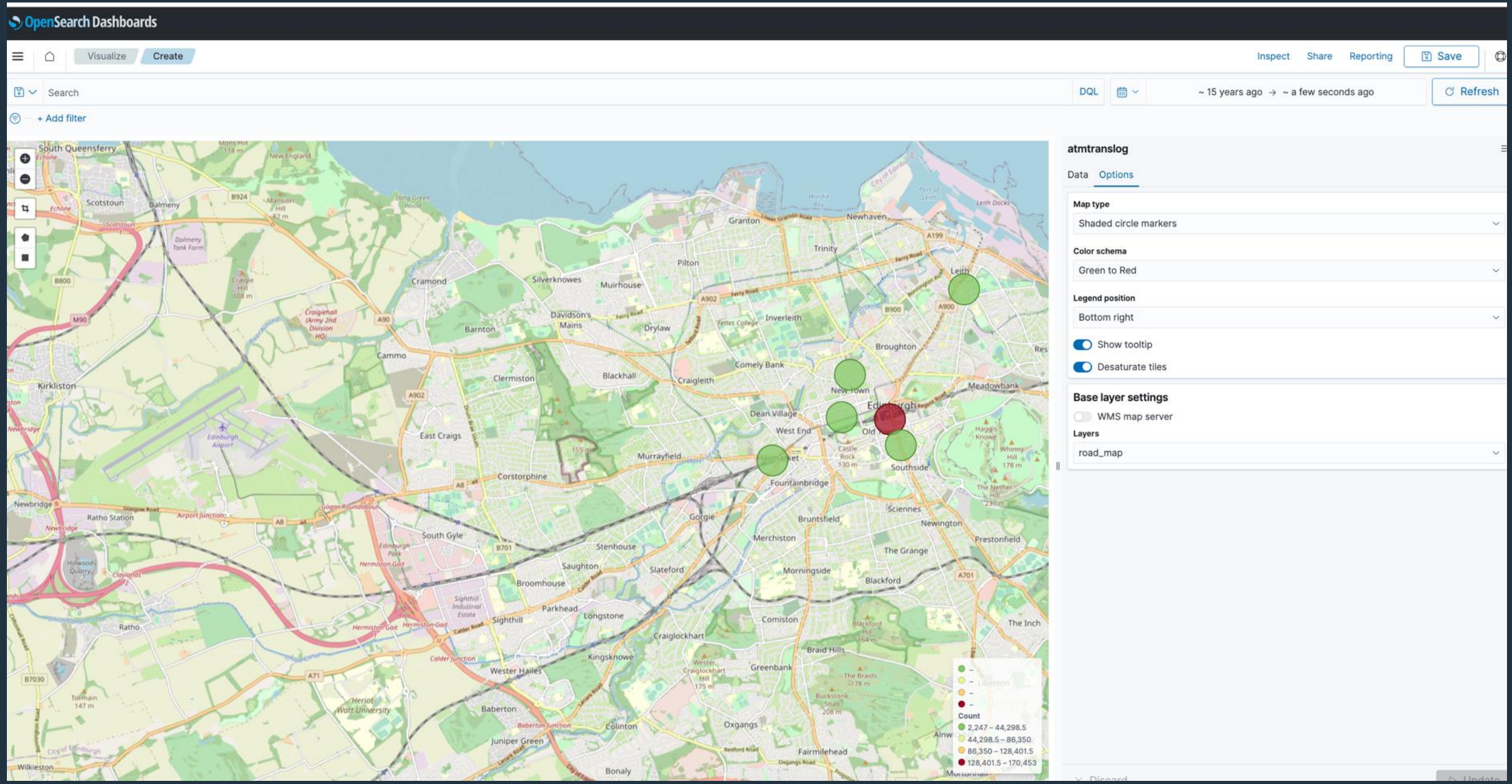

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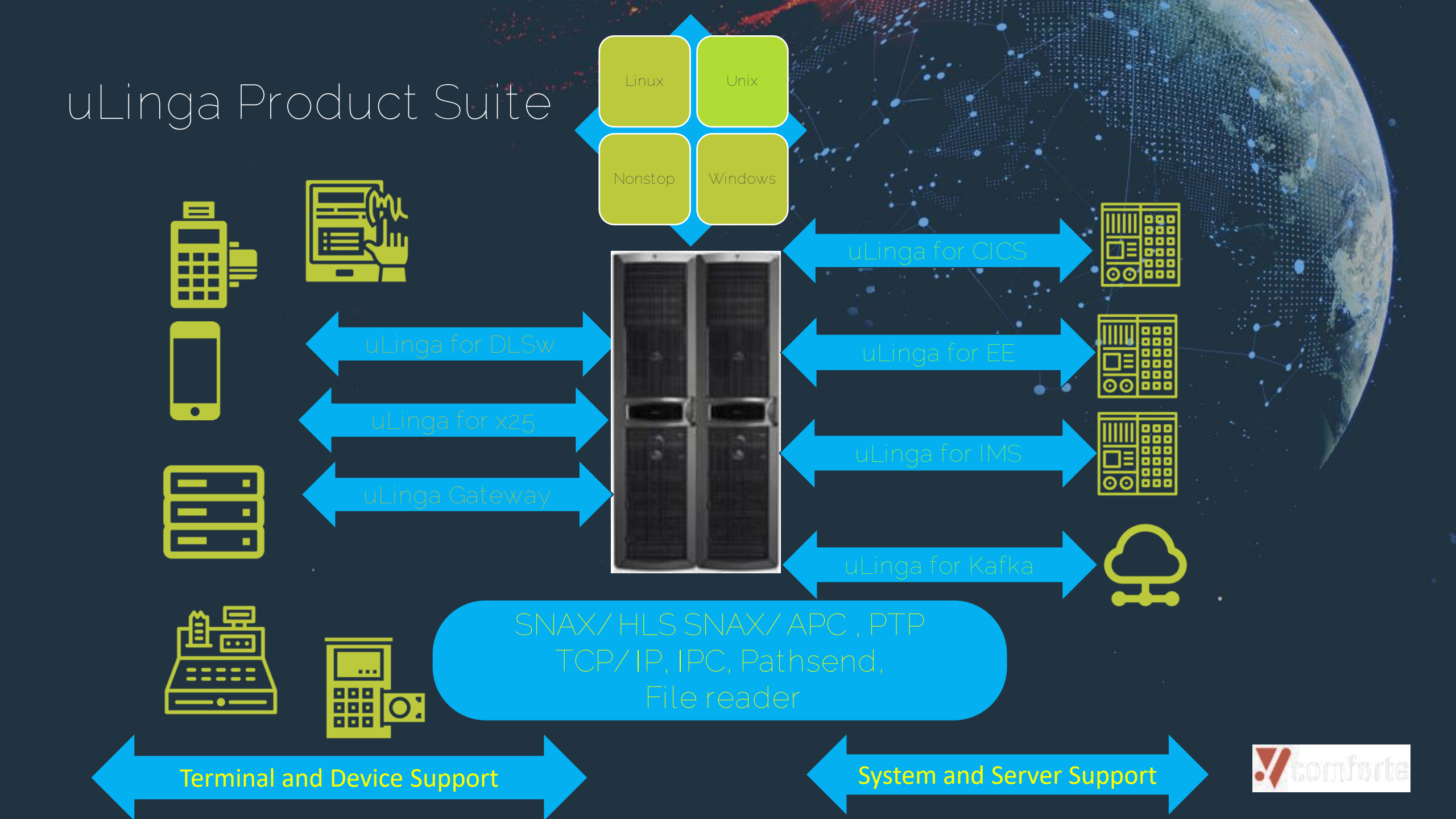
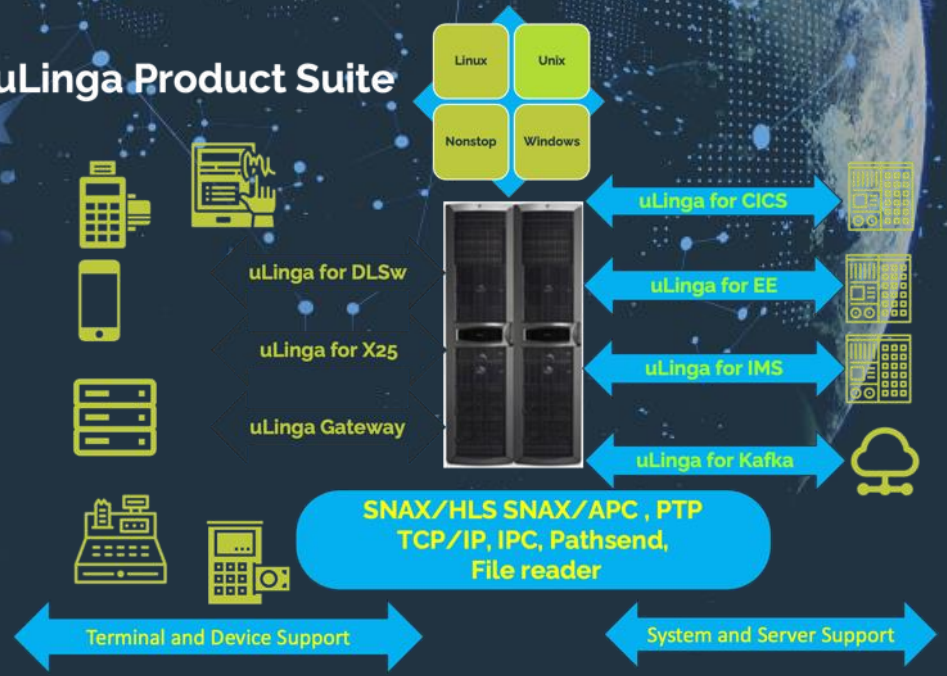
uLinga Product Suite

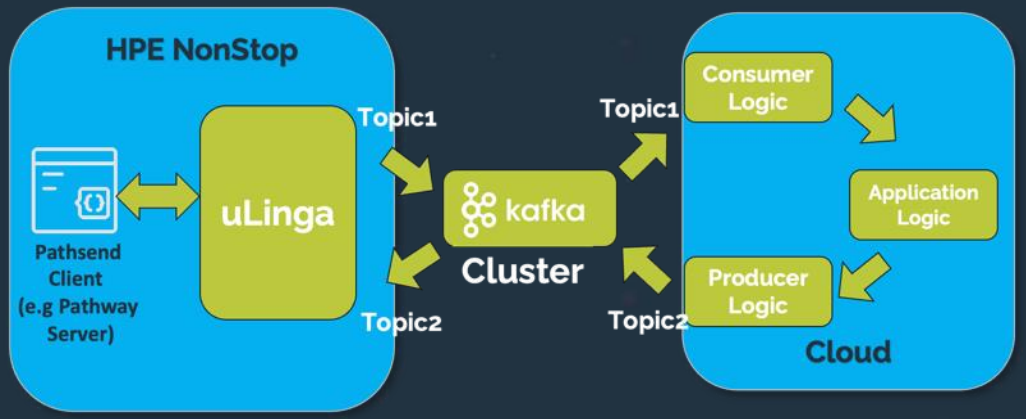


uLinga Features

- Uses Industry Standard Protocols incl. TCP/IP, HTTP
- Simplified Management - IP end to end allows for easier problem determination
- Extensive security options (e.g. SSL/TLS, IPSEC)
- Modern intuitive web-based graphical user interface (WebCon)
- RESTful interface for command, control and metrics
- Provides a wide range of APIs to support any application
- Extensive inbuilt tracing and logging
- Completely multi-platform – NonStop, Linux, Unix and Windows

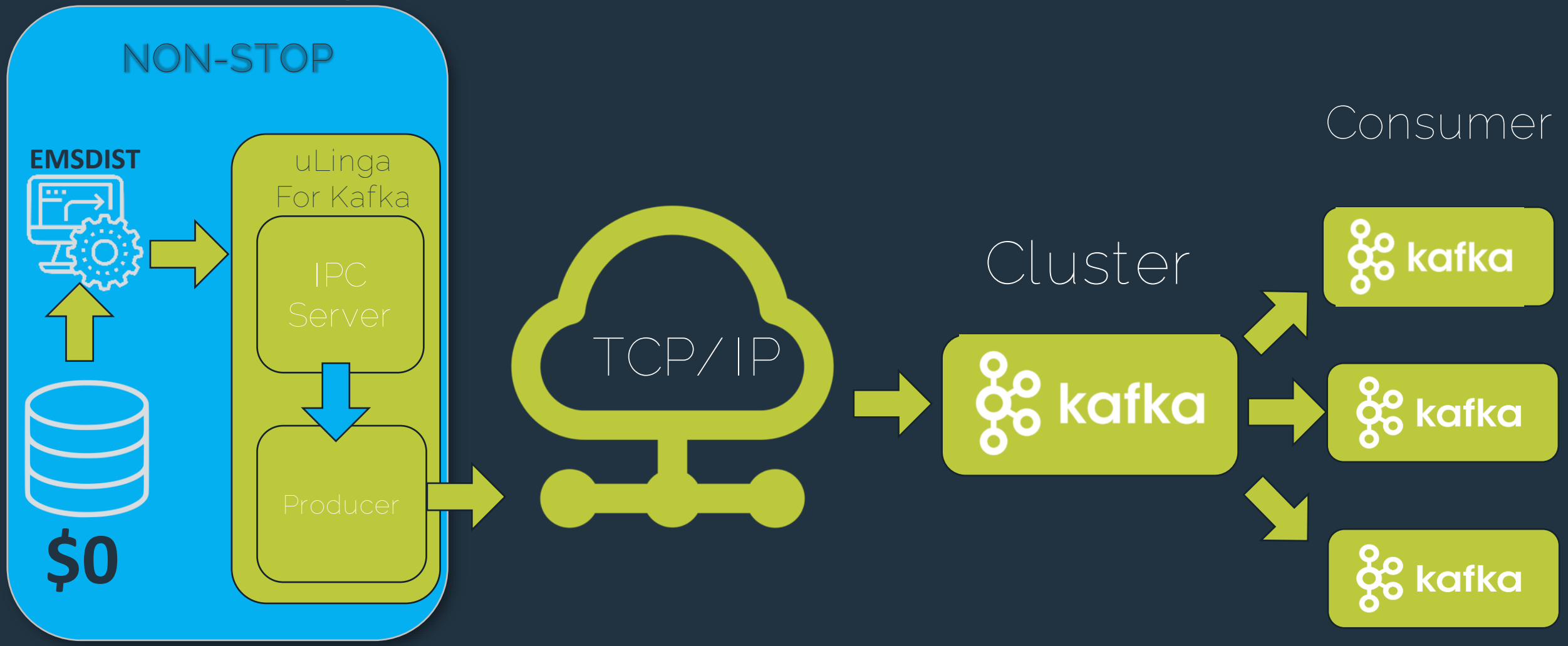


uLinga for Kafka



- uLinga for Kafka acts as a Kafka Producer and Kafka Consumer
- Supports native Kafka wire protocols, meaning no additional software required
- No single point of failure
- Runs like any other uLinga product
- Proven uLinga architecture can handle massive data throughput - >20,000TPS on a single NS X3 processor, with sub-millisecond latency

Streaming EMS Events to Kafka




```
TACL> EMSDIST /NOWAIT/ COLLECTOR $0, TYPE PRINTING, TEXTOUT $ULKAF.#KAFKA1
```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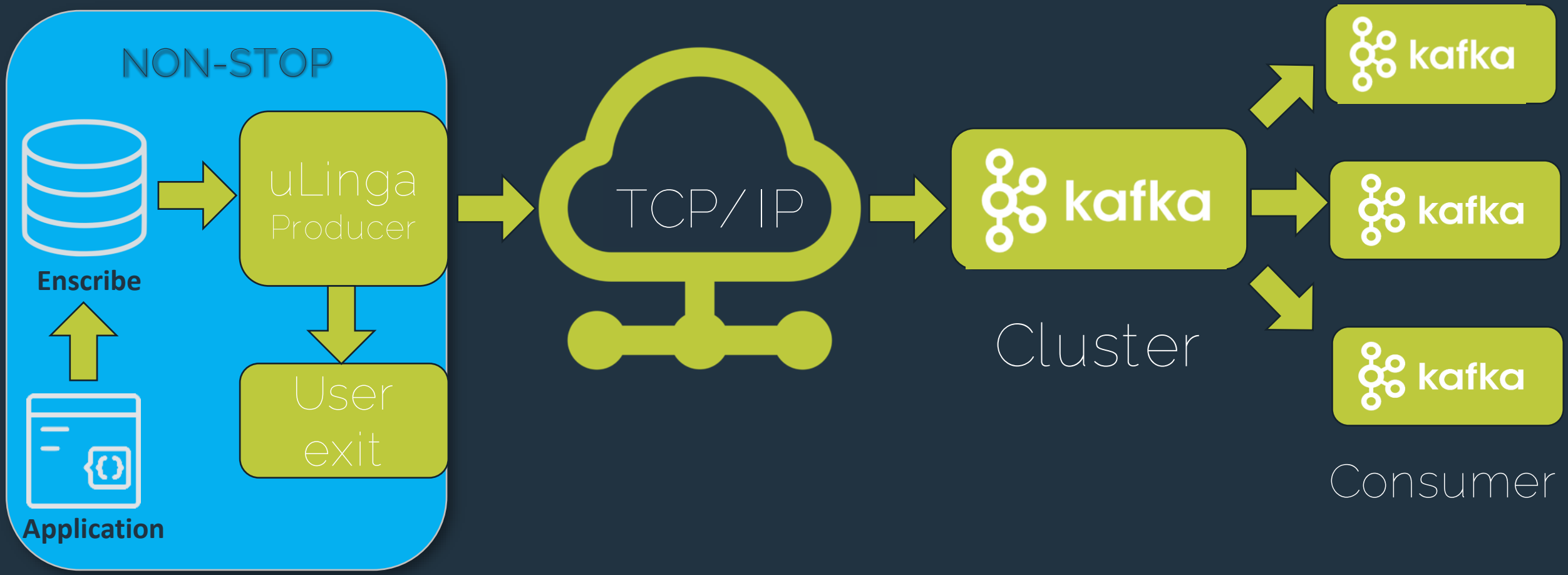
Enscribe Support - Producer



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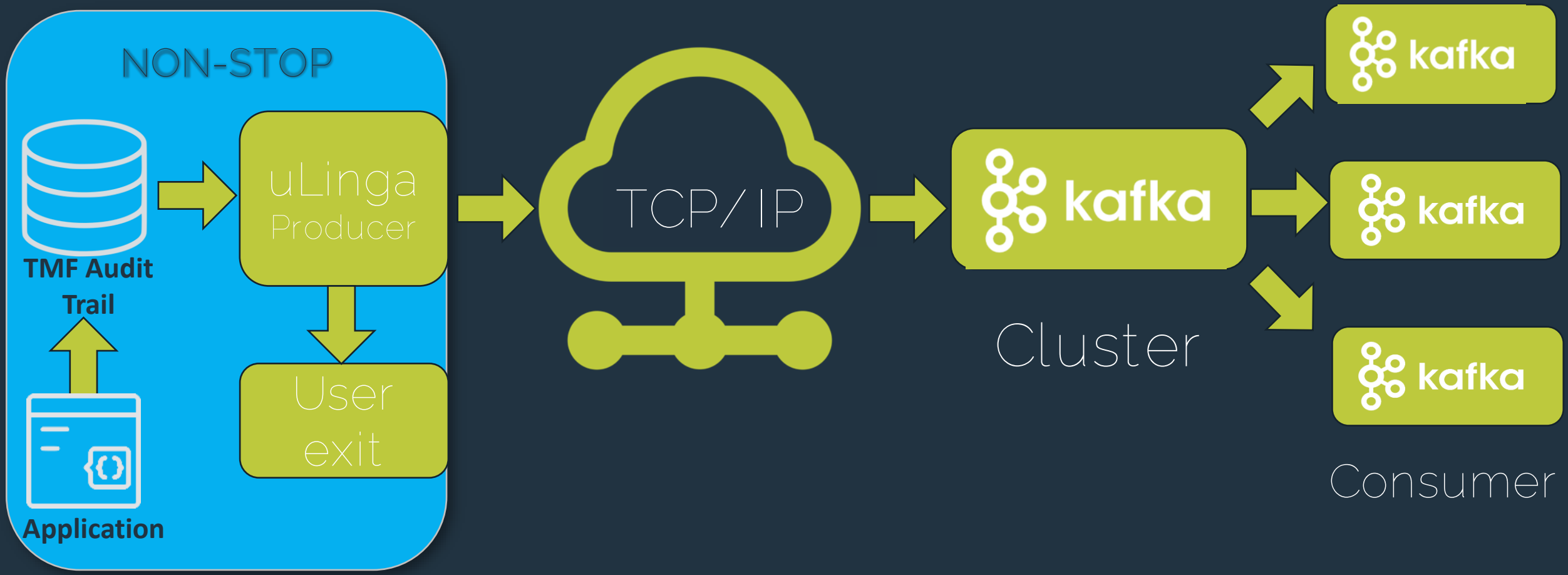
TMF Audit Trail (Enscribe & SQL/MP)- Producer



New ENSCRIBE intercept libriary

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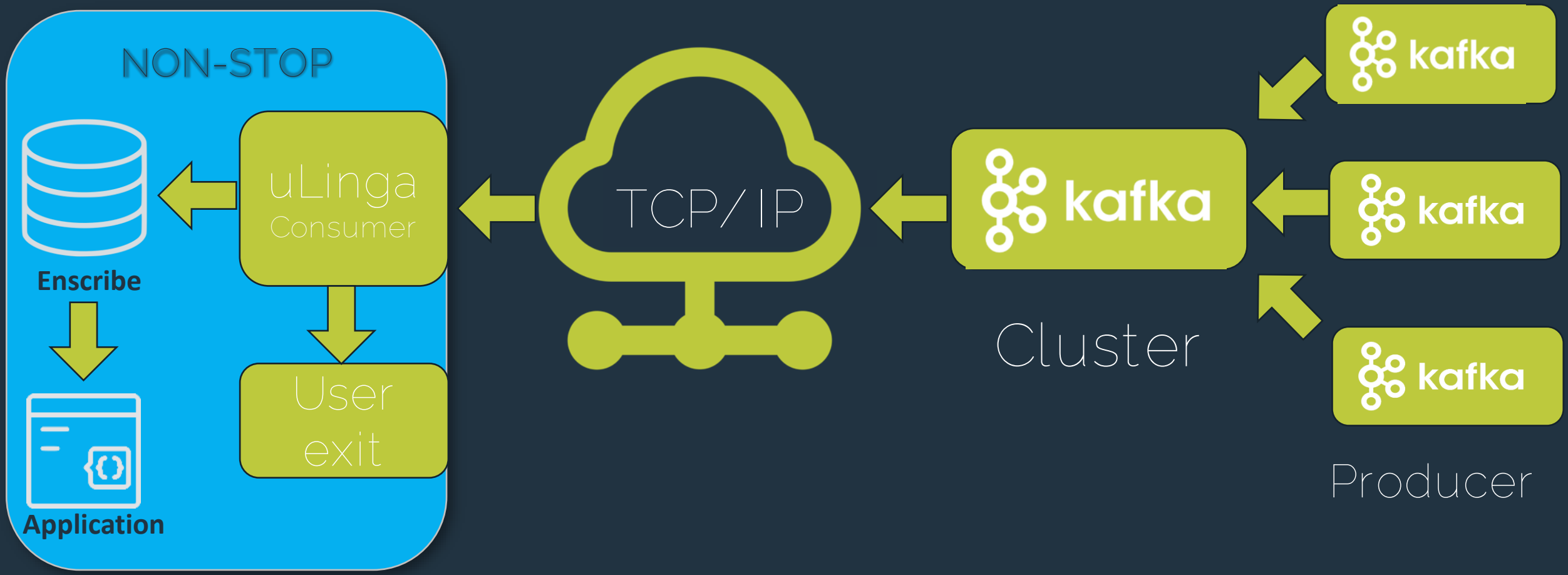
Enscribe Support - Consumer



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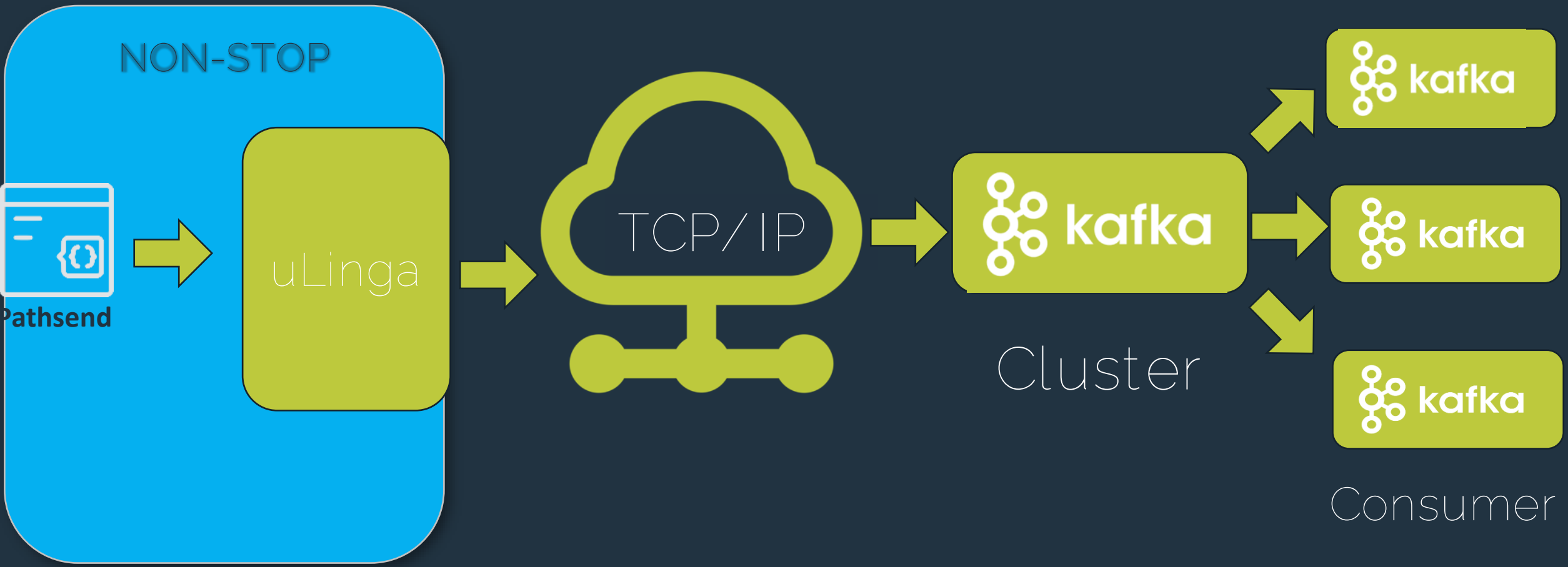
Pathsend / IPC support



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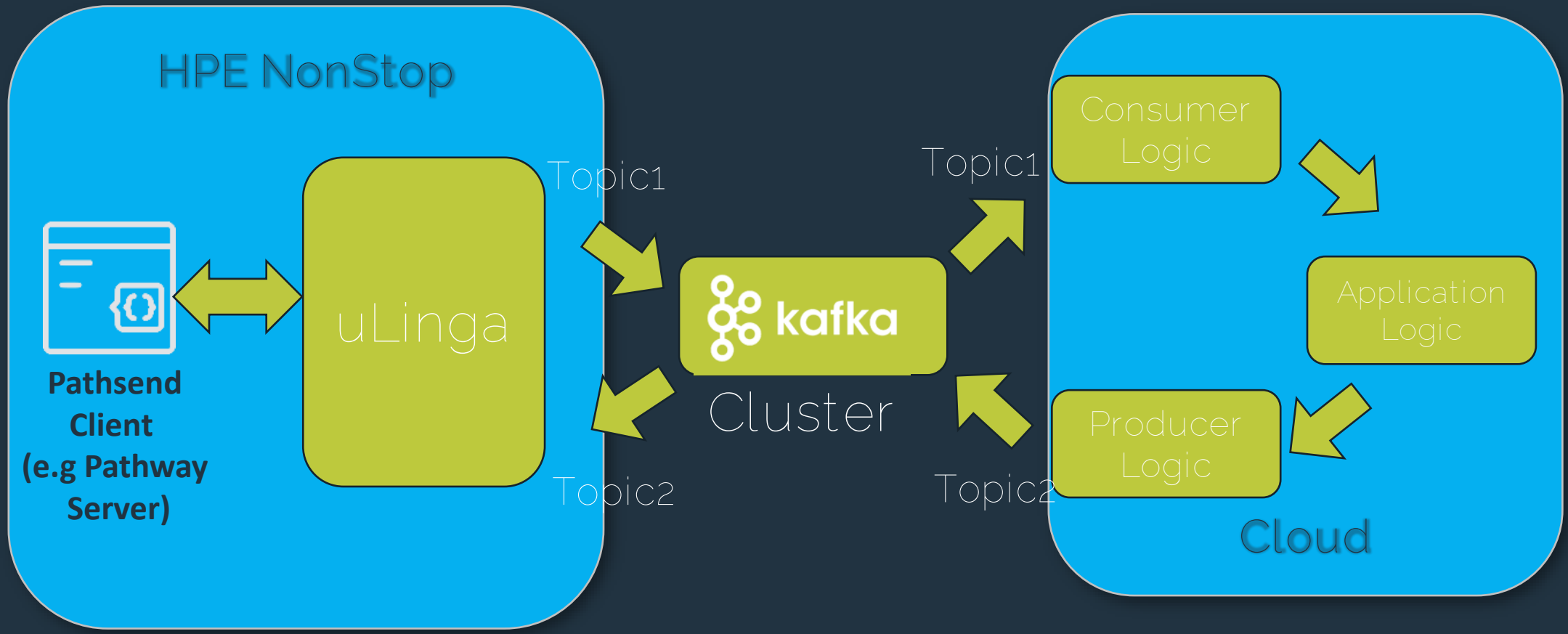
Produce Consume - Example



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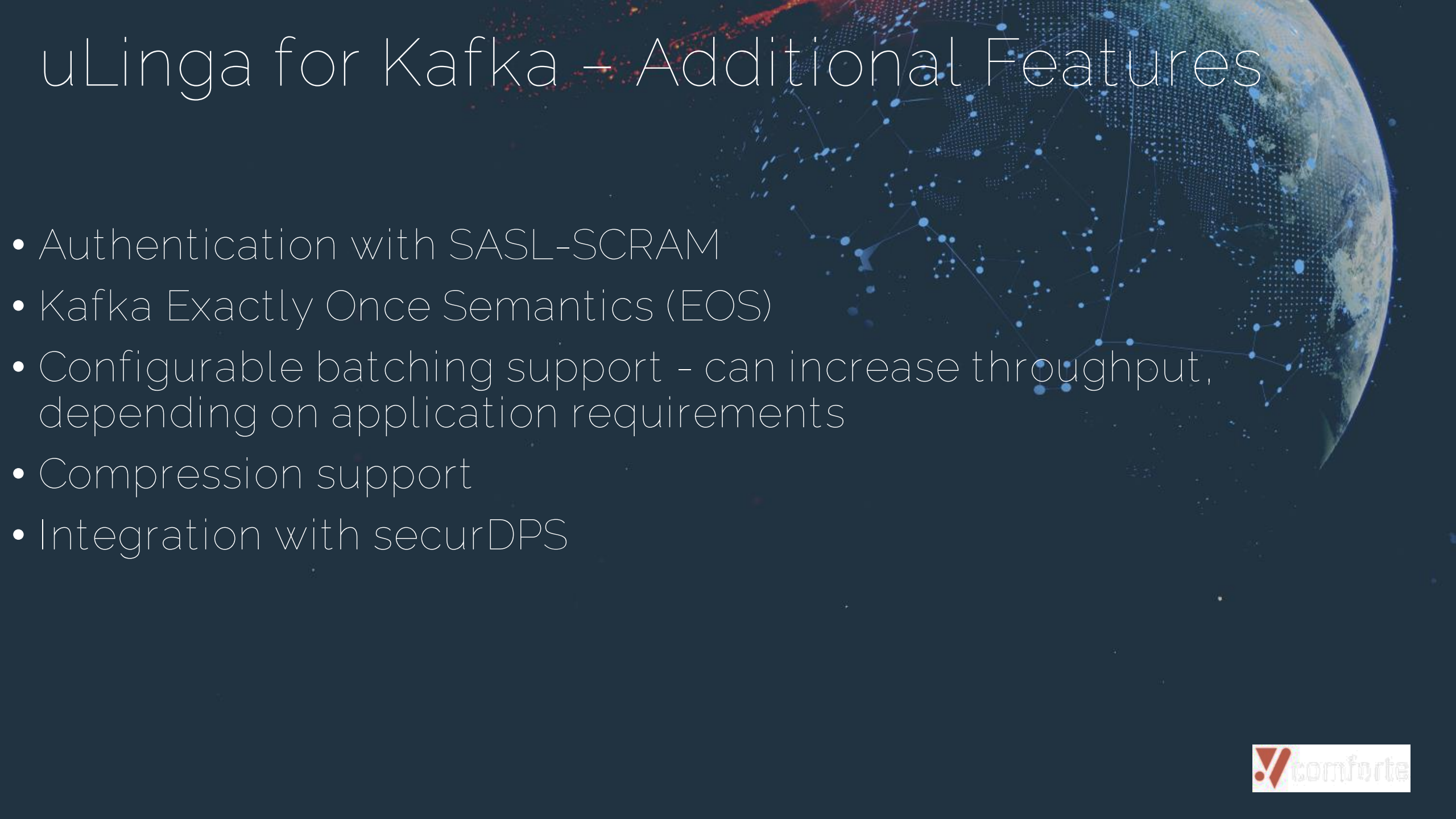
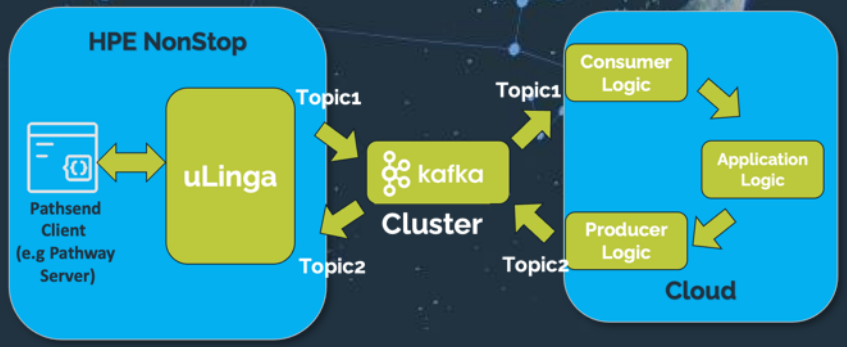
uLinga for Kafka – Additional Features

- Authentication with SASL-SCRAM
- Kafka Exactly Once Semantics (EOS)
- Configurable batching support - can increase throughput, depending on application requirements
- Compression support
- Integration with securDPS



uLinga for Kafka - Summary

- uLinga for Kafka provides:
  - Excellent performance, written in C, with no additional components required
  - All the advantages of other uLinga products
  - Support for both Kafka Producer and Consumer functionality
    - Produce/ Consume can be paired to provide high performance request/ response processing
  - Variety of mechanisms to send/ receive data to and from Kafka cluster
  - User exits for custom manipulation of data
  - Integration with SecurDPS



Summary

- Secure Integration to cloud based Applications
- Open up more actionable data
- Enrich data for greater utilisation
- Provide secure transmission and storage of data

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