

FLUX INSIGHTS PARTNERS | 2020



CASE STUDY

LG U+

GPU SQL

COLUMN

ORIENTATED


DB

FOR MASSIVE DATA

ANALYTICS

LET'S

FLUXINSIGHTS PARTNERS



TALK USE CASES

IMPLEMENTED

IN

just

6

MONTHS

Generic Telco Scenario

On Average 20 Times Faster than AS-IS (HIVE)

Query	AS-IS (HIVE)		SQream 4.2	
	1 Day	1 Hour	1 Day	1 Hour
Q1 APP Service Group Analysis	2:03:00	0:11:46	0:04:06	0:00:14
Q2 eNB Service Analysis	1:48:00	0:12:28	0:24:46	0:01:13
Q3 Cell Service Analysis	0:52:00	0:06:49	0:05:24	0:00:15
Q4 Analysis of Payment Plan	1:10:00	0:07:29	0:19:06	0:00:53
Q5 Device Traffic Analysis	NA	0:03:59	NA	0:00:30
Q6 IOT & POS Analysis	0:22:00	0:03:43	0:06:01	0:00:20
Q7 IOT Platform Analysis	0:23:00	0:04:50	0:05:16	0:00:17
CALL Data - count(*)	NA	NA	0:00:21	0:00:10
CALL Data - AVG setup time	NA	NA	0:00:27	0:00:14
CALL Data - Max Call Time	NA	NA	0:00:25	0:00:13
Z. join S1_CALL and SIP_REGI	NA	NA	0:02:21	0:00:54

DNS

BACKDOOR PROTECTION



INDEPTH
CUSTOMER
USAGE
ANALYSIS



THREAT DETECTION
AND DOOS
PREVENTION

Class of 2004

VALIDATION
AND QUALITY
TESTING OF
DATA

ANALYSING CALL DEFECTS
AND HANGUPS

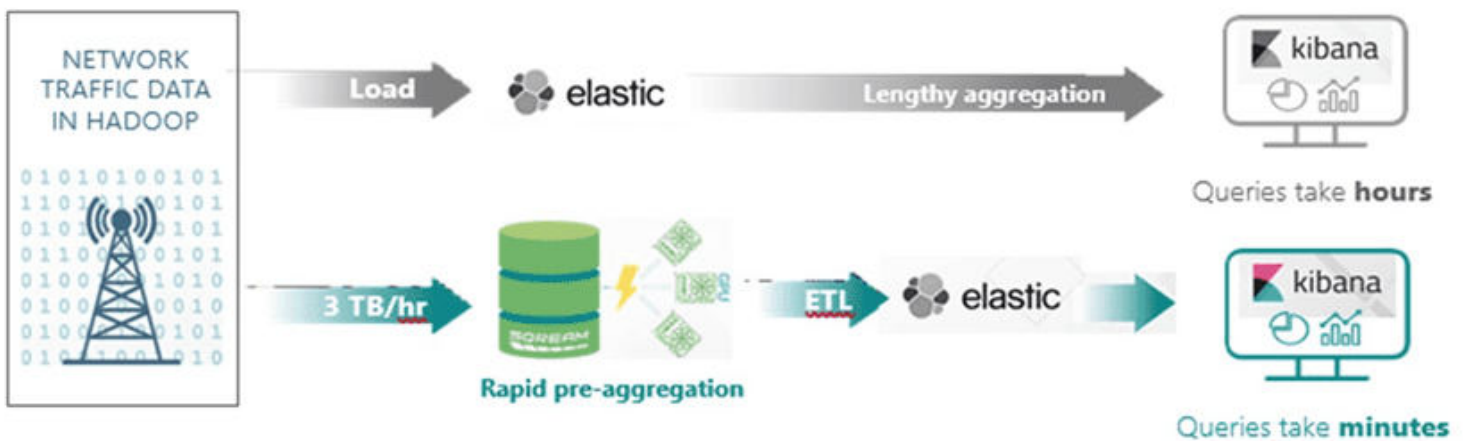
LGU+

CASE STUDY

DNS BACKDOOR DETECTION



NETWORK TRAFFIC ANALYSIS



ENABLES DETECTION OF ANOMALIES AND HACKING ATTEMPTS INSIDE LG U+

LGU+

CASE STUDY

THREAT DETECTION AND DDOS PREVENTION



TRAINING AI / ML MODELS

Data Ingestion

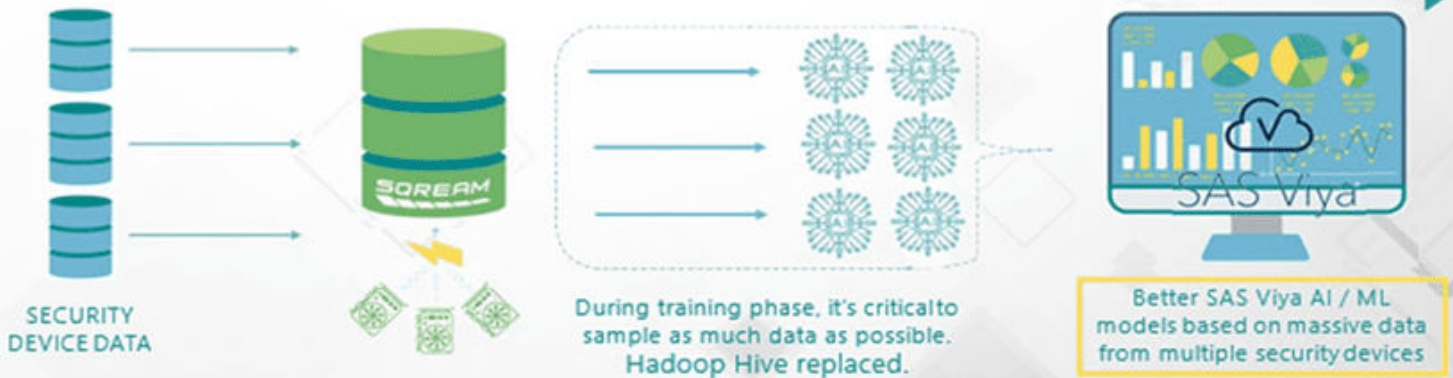
Data Preparation

Data Classification

Model Training

Model Scoring

Detect and Protect



PROTECTS USERS FROM CYBER THREATS ON THE LG U+ NETWORK

LGU+

CASE STUDY

IN-DEPTH CUSTOMER USAGE ANALYSIS



CUSTOMER MOBILITY AND CDR ANALYSIS



ENABLES INCREASED REVENUE AND EFFICIENCY, AND REDUCED CHURN

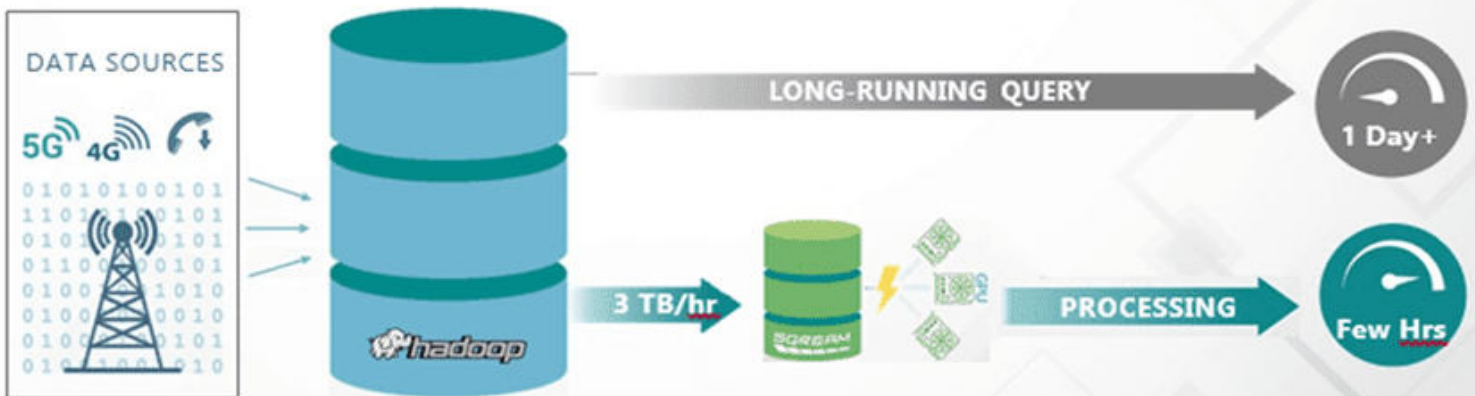
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CASE STUDY

ANALYSING CALL DEFECTS AND HANGUPS



QUALITY OF SERVICE



MODEL NOISE ON CALLS USING FREQUENCY ANALYSIS FOR BETTER SERVICE

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CASE STUDY

VALIDATION AND QUALITY TESTING OF DATA

DATA RECONCILIATION



SIGNIFICANTLY REDUCES RISK AND IMPROVES ACCURACY OF DECISIONS

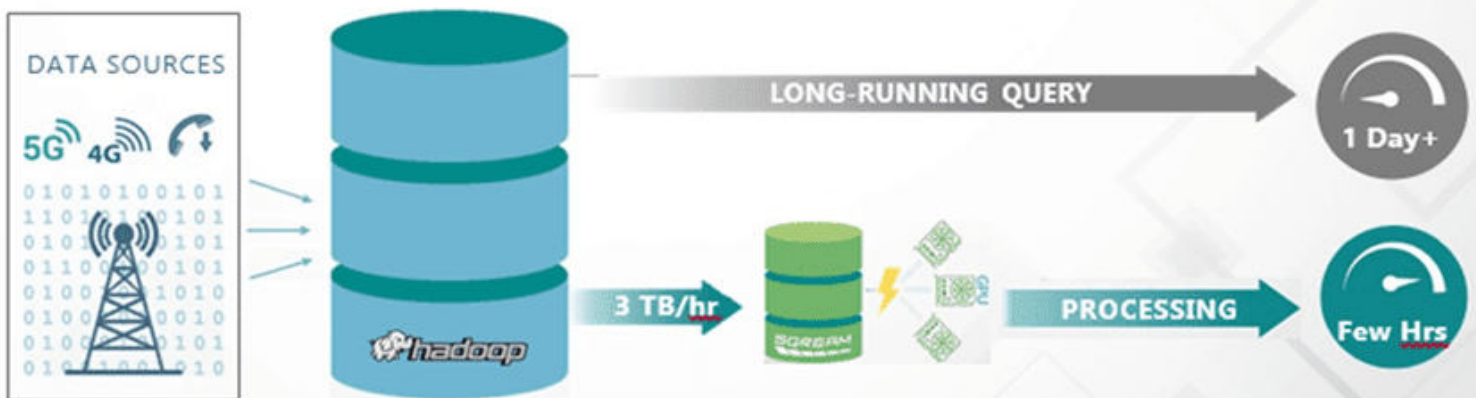
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CASE STUDY

ANALYSING CALL DEFECTS AND HANGUPS



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LGU+

PARTNER PROFILE

CORPORATE PROFILE FOUNDED IN 2010

 **90+**
Employees

 **10**
Patents

 **Strategic Partnership
with Alibaba Cloud**

 **HQ in 7 WTC New York**

EMEA HQ Canada Square, Canary Wharf London
R&D in Tel Aviv

Contact Us: info@fluxblog.co.uk
Select this [link](#) to schedule a meeting

In God we trust. All
others must bring data

W. EDWARDS
DEMING, STATISTICIAN,
PROFESSOR, AUTHOR, LECTURER,
AND CONSULTANT.

The goal is to turn data
into information, and
information into insight

Carly Fiorina.

ISSAC ASIMOV

*I don't fear computers. I
fear the lack of them.*

It is a capital mistake to
theorise before one has data.

SHERLOCK HOLMES

DATA IS A PRECIOUS THING AND
WILL LAST LONGER THAN THE
SYSTEMS THEMSELVES.

TIM BERNERS-LEE

Simplicity is about subtracting the
obvious and adding the meaningful.

JOHN MAEDA

If I had to pick one word to describe
what a chief data officer does. It would
be neither data nor analytics. It would be
strategy.

CDO- INDERPAL BHANDARI CAMBIA HEALTH