

FLUX INSIGHTS PARTNERS | 2020



CASE STUDY

ORANGE

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

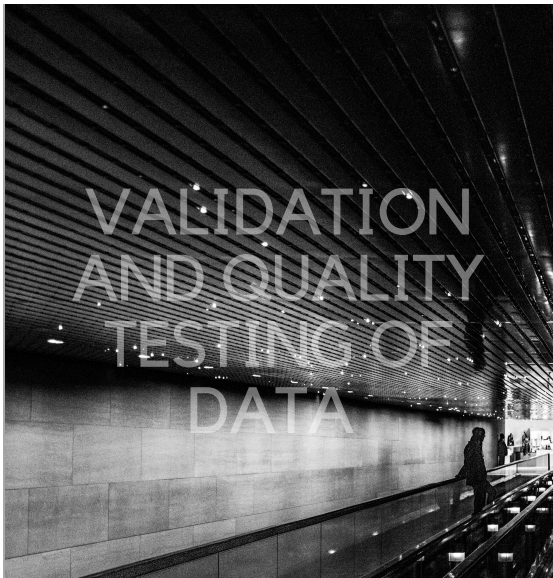
BACKDOOR PROTECTION



INDEPTH
CUSTOMER
USAGE
ANALYSIS



VALIDATION
AND QUALITY
TESTING OF
DATA



ANALYSING CALL DEFECTS
AND HANGUPS



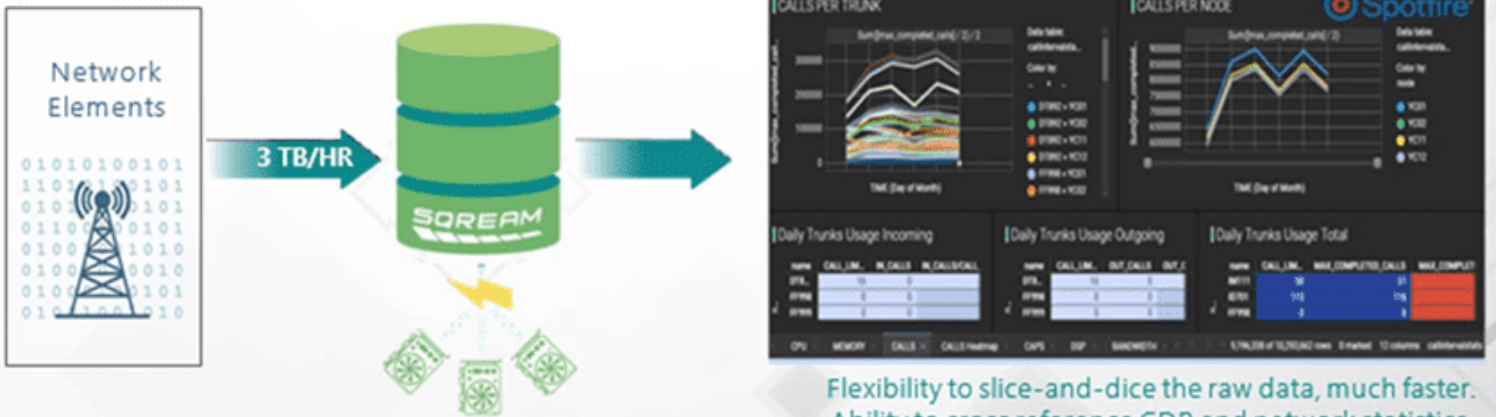
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CASE STUDY

CUSTOMER USABILITY TRENDS

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NETWORK STATISTICS AND CDR ANALYSIS



Flexibility to slice-and-dice the raw data, much faster.
Ability to cross reference CDR and network statistics.

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CASE STUDY

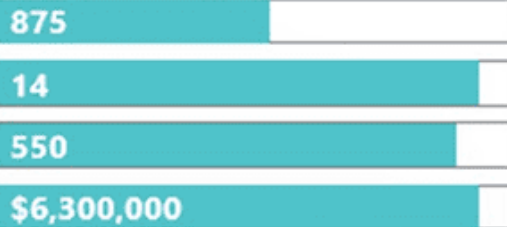
orange™

THE COST OF PERFORMANCE ANALYZE SUBSCRIBER NETWORK USAGE

TELECOM

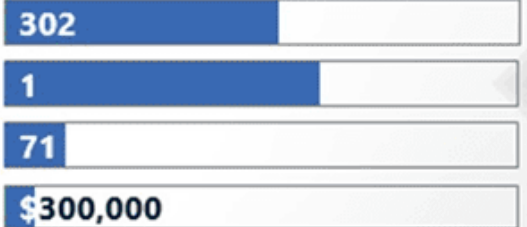
4.3 billion call records, 30 million subscribers

TERADATA EDW



Full 42U rack with
14 servers

SQREAM



Single Dell R720 with
NVIDIA Tesla card

ORANGE

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