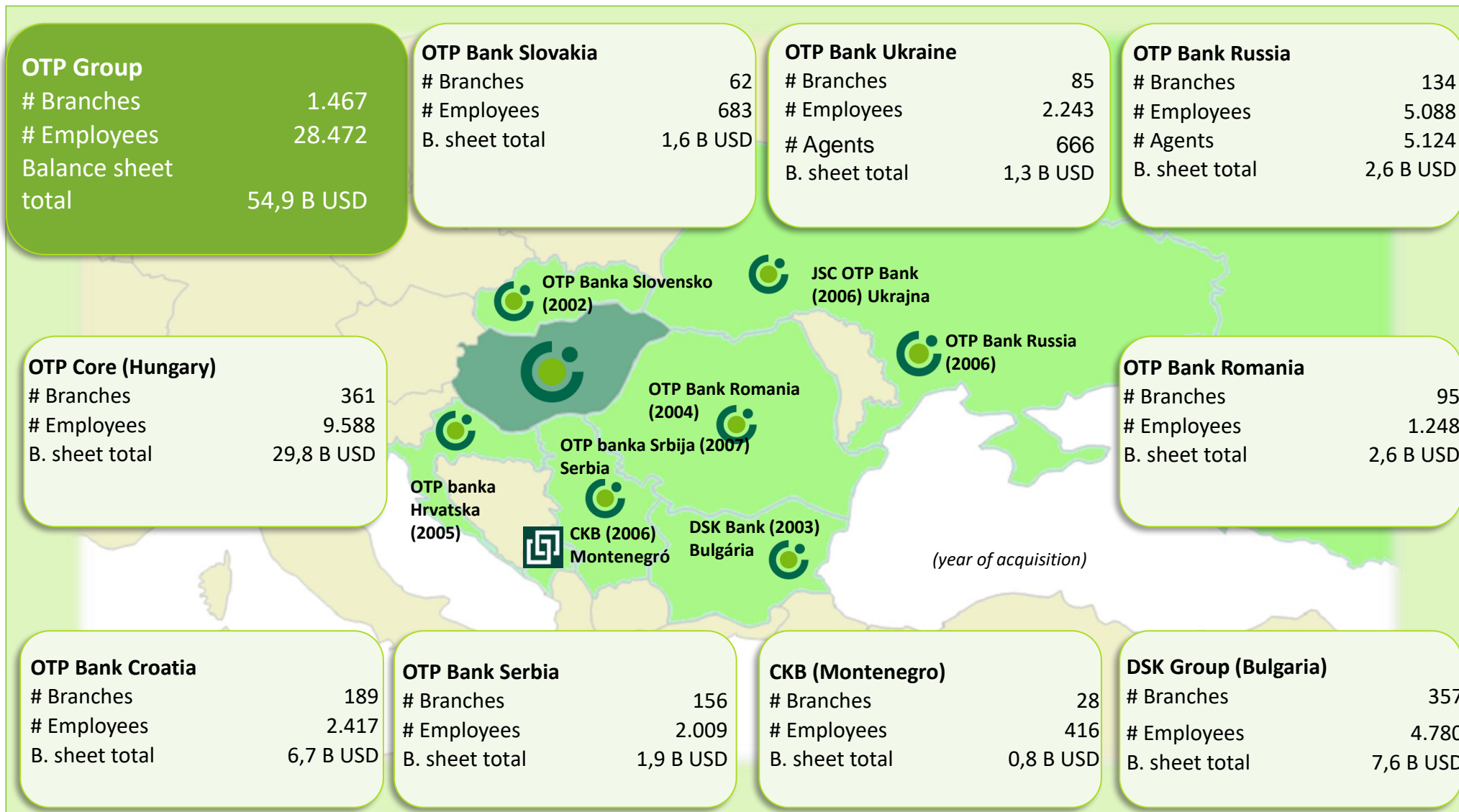Lotar Schin – Head of Big Data at OTP Bank
Email: lotar.csaba.schin@otpbank.hu
Mobile: +36205204001

Three-quarter of OTP Group's branches are located out of Hungary and two-thirds of employees are working at subsidiaries

OTP Group

# Branches	1.467
# Employees	28.472
Balance sheet total	54,9 B USD

OTP Bank Slovakia

# Branches	62
# Employees	683
B. sheet total	1,6 B USD

OTP Bank Ukraine

# Branches	85
# Employees	2.243
# Agents	666
B. sheet total	1,3 B USD

OTP Bank Russia

# Branches	134
# Employees	5.088
# Agents	5.124
B. sheet total	2,6 B USD

OTP Banka Slovensko (2002)

JSC OTP Bank (2006) Ukrajna

OTP Bank Russia (2006)

OTP Bank Romania (2004)

OTP Core (Hungary)

# Branches	361
# Employees	9.588
B. sheet total	29,8 B USD

OTP Bank Romania

# Branches	95
# Employees	1.248
B. sheet total	2,6 B USD

OTP banka Srbija (2007) Serbia

OTP banka Hrvatska (2005)

CKB (2006) Montenegró

DSK Bank (2003) Bulgária

(year of acquisition)

OTP Bank Croatia

# Branches	189
# Employees	2.417
B. sheet total	6,7 B USD

OTP Bank Serbia

# Branches	156
# Employees	2.009
B. sheet total	1,9 B USD

CKB (Montenegro)

# Branches	28
# Employees	416
B. sheet total	0,8 B USD

DSK Group (Bulgaria)

# Branches	357
# Employees	4.780
B. sheet total	7,6 B USD

100.000

ATM cash withrawals

for 5 Billion HUF

10+ million

clicks at OTP HU webpage

3+ million

clients' financial data inquiry

1

500 k card transactions

for 4 Billion HUF

10+ million
clicks at OTP HU webpage

100.000
ATM cash withrawals
for 5 Billion HUF

3+ million
clients' financial data inquiry

1 day

500 k card transactions
for 4 Billion HUF

4

2018 Q3 OTP Bank Hungary is establishing the
Big Data and Analytics Center

CIO
Tibor Johancsik

Big Data and Analytics Center

Lotar Schin

and a team of 10 fantastic talents
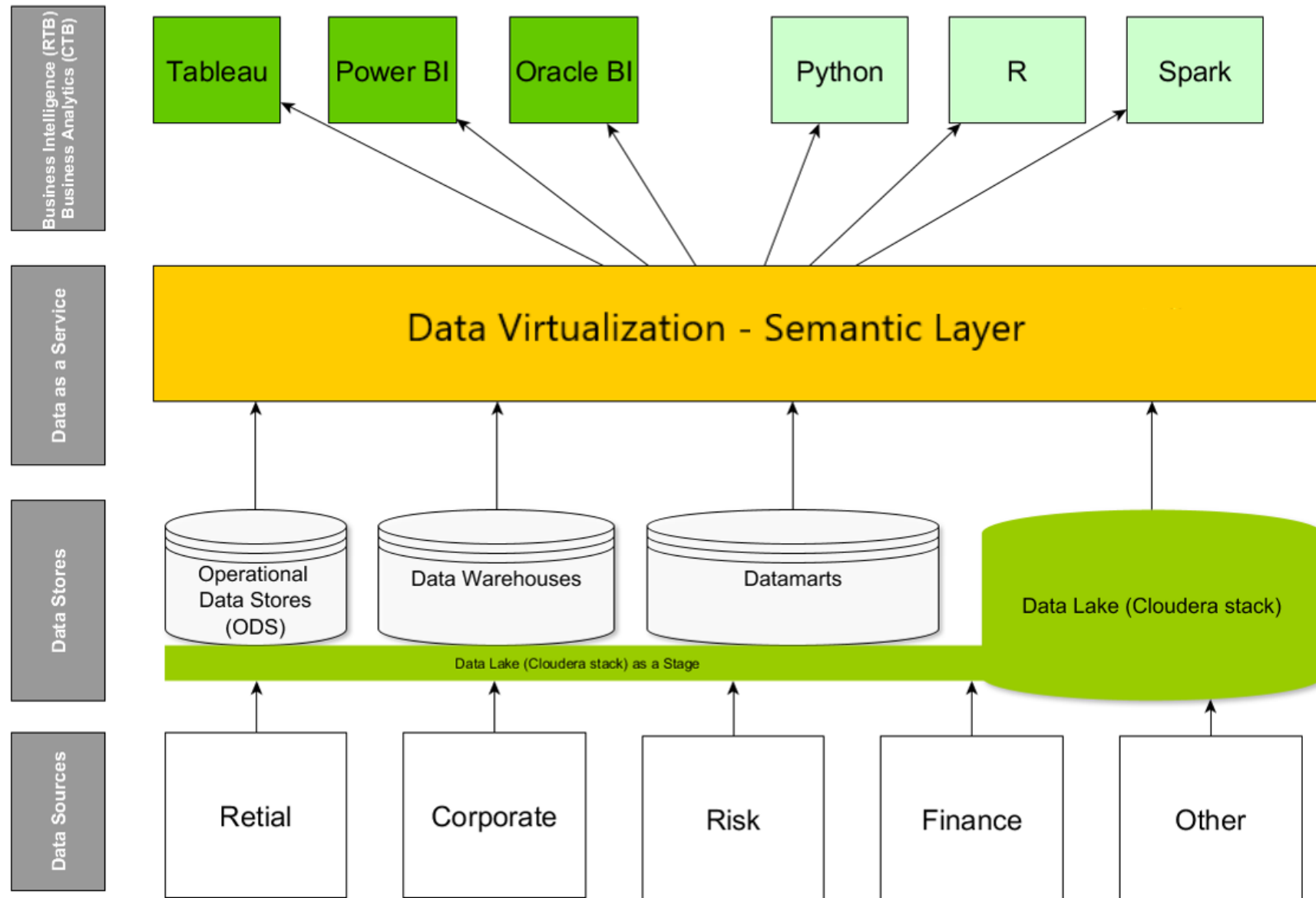
Data Lake - Cloudera Stack
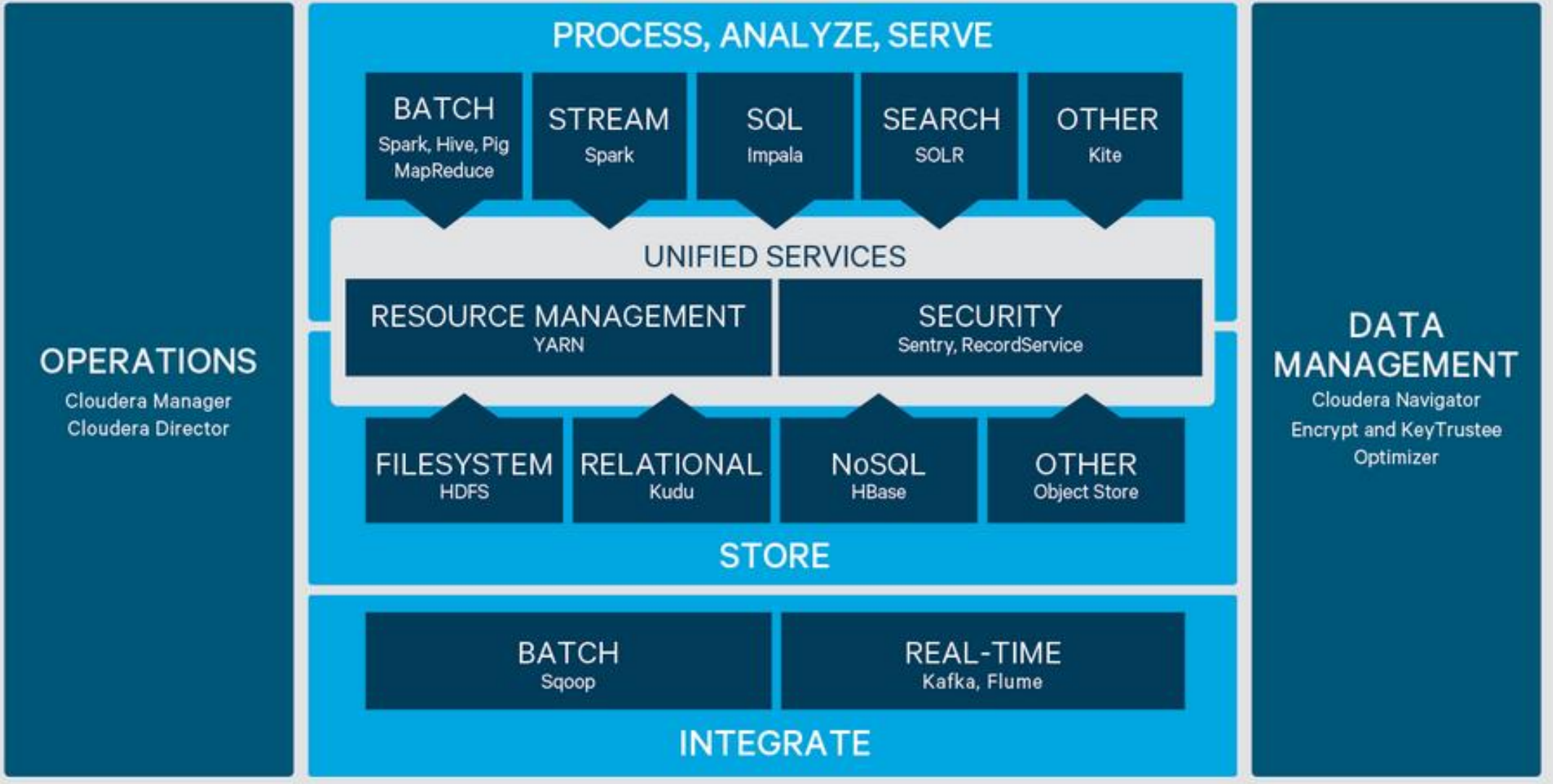
Current Cloudera Prod Cluster

36 nodes in a stretch cluster
- 18 nodes at Baber street
- 18 nodes at Lajos street

1728 CPU cores and 5 TB RAM
for computing

2 Peta Bytes storage capacity

Kudu: Fast Analytics on Fast-Changing Data
## New storage engine enables new Hadoop use cases

9
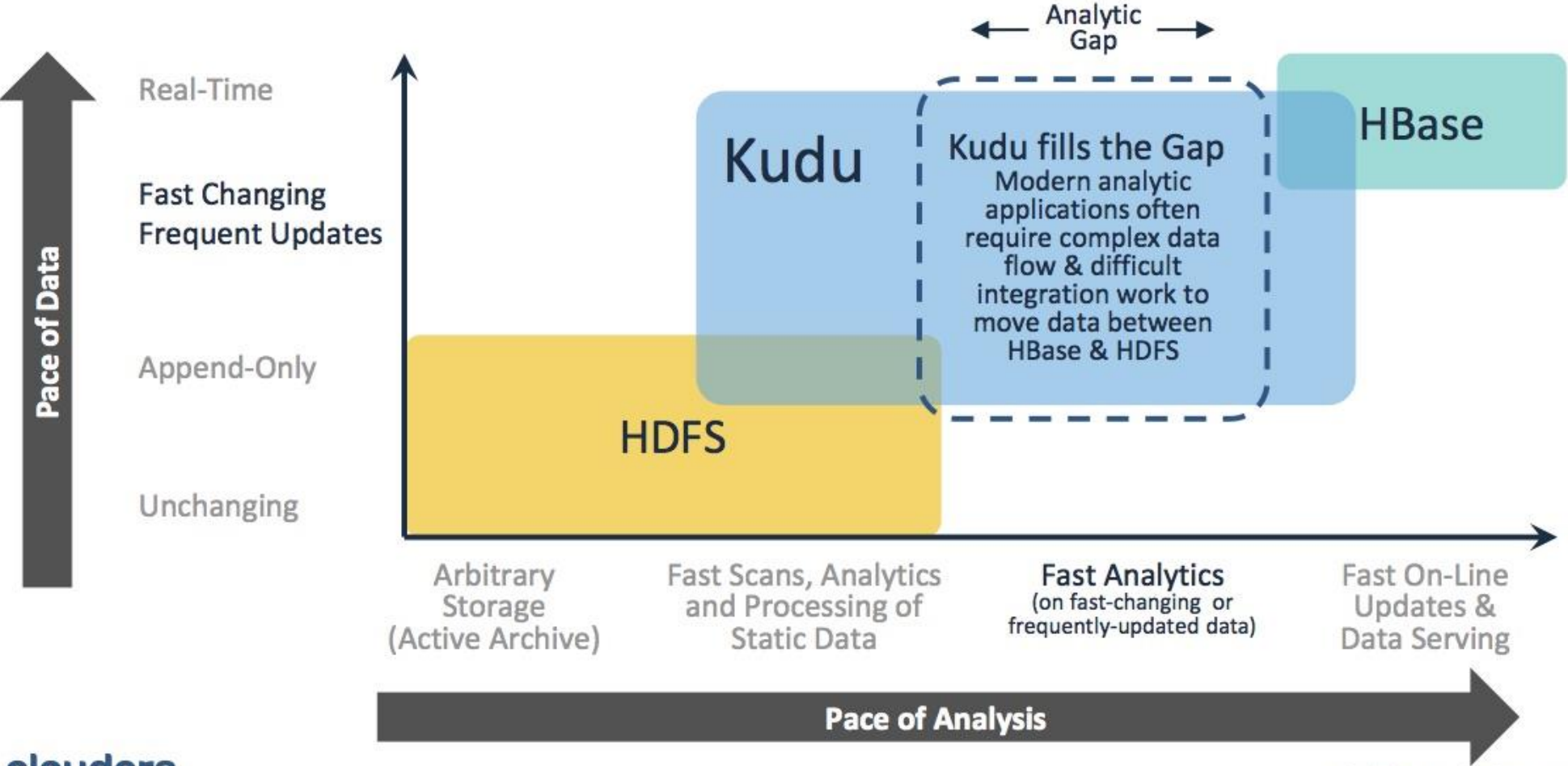
Big Data Current Use Cases at Otp Bank

- For one of the subsidiaries (OTP Faktoring) a DWH implementation on Cloudera with Tableau BI – Will go into the details
- Recommendation engine – Will go into the details
- Log search and analysis
- CRM
- For any type of Data Science activity which requires the distributed storage and computing capacity (offload the RDBMS based Data Warehouses)
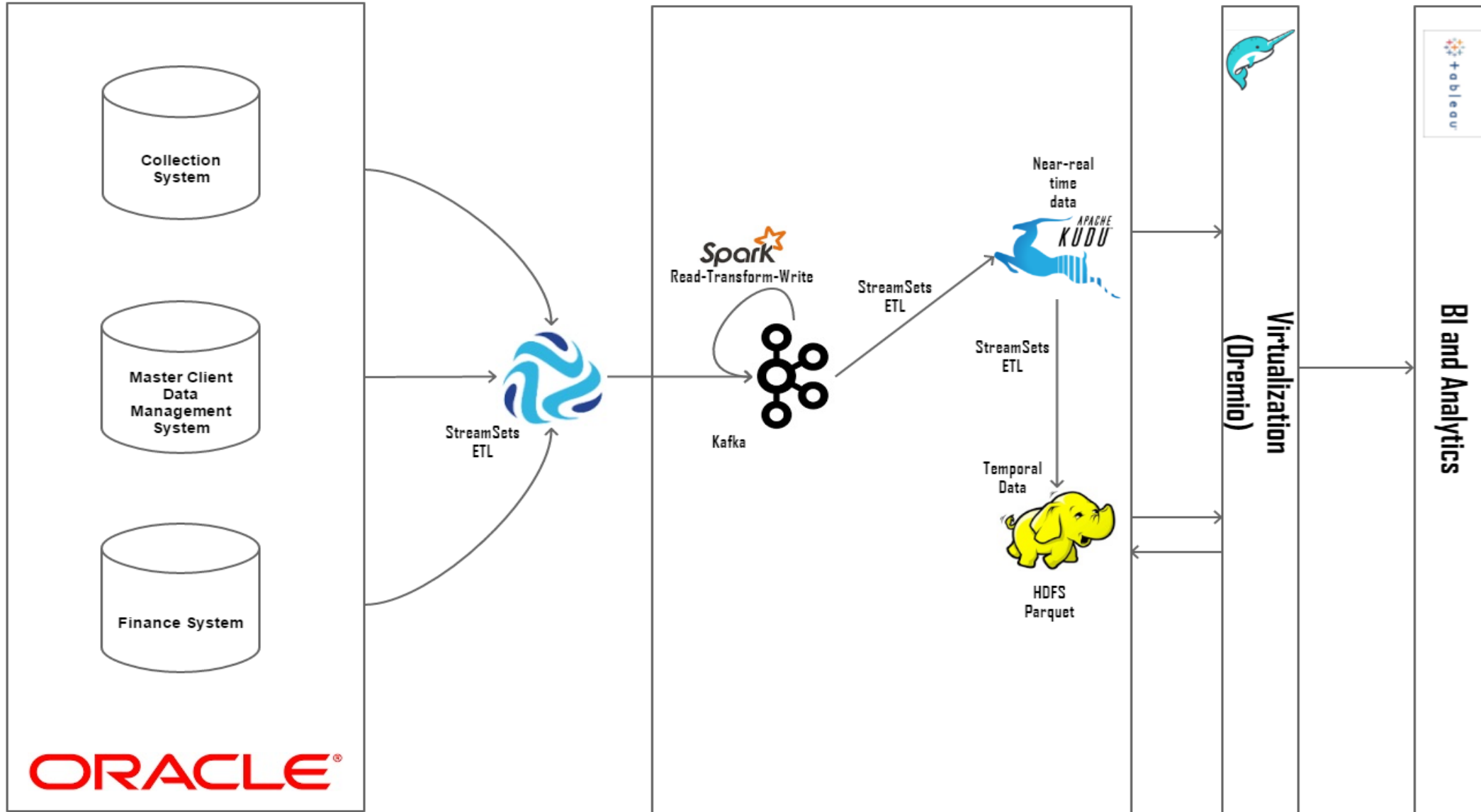
Recommendation Engine
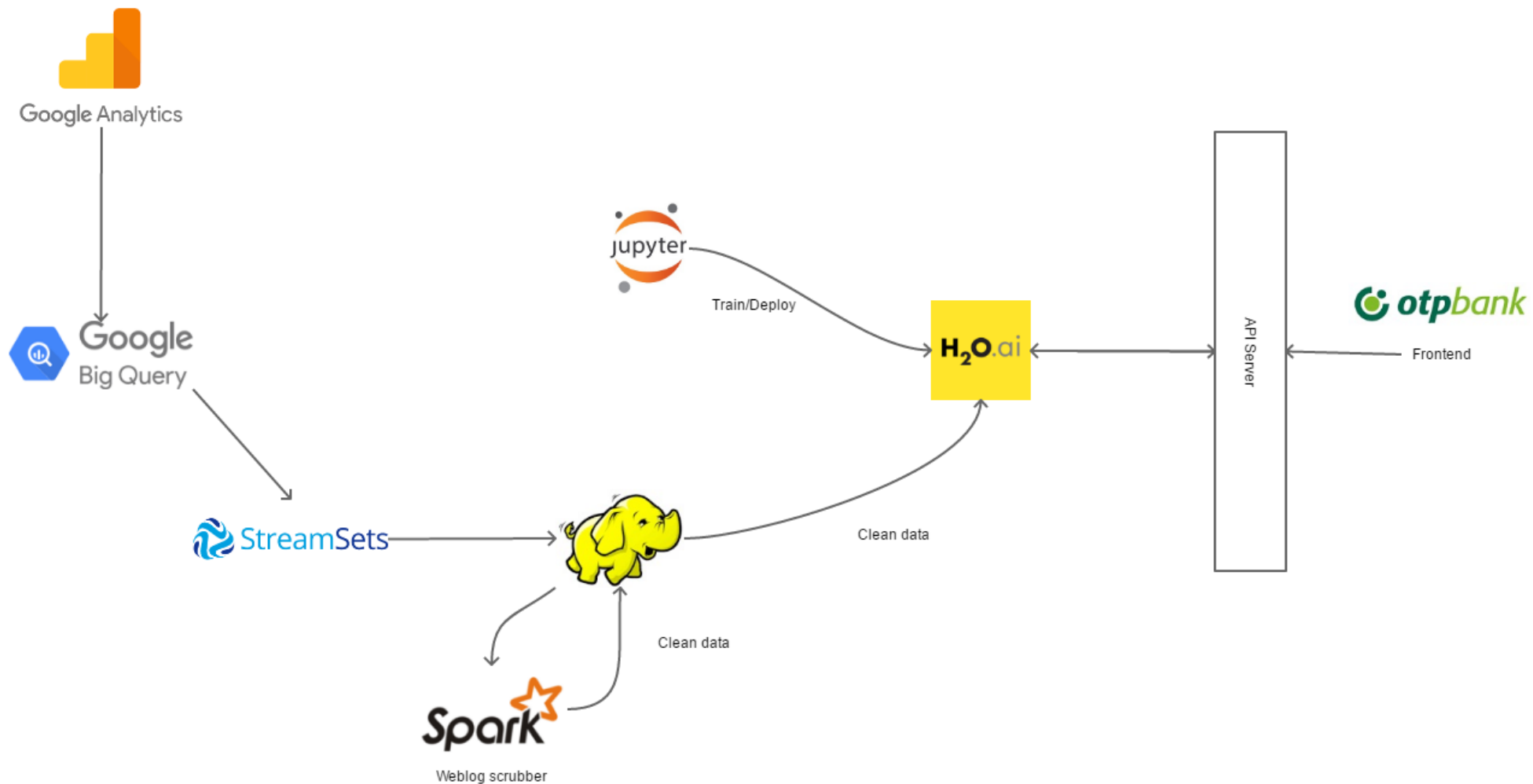
Q&A

Many thanks for your attention!

Lotar Schin – Head of Big Data Center at OTP Bank
Email: lotar.csaba.schin@otpbank.hu
Mobile: +36205204001