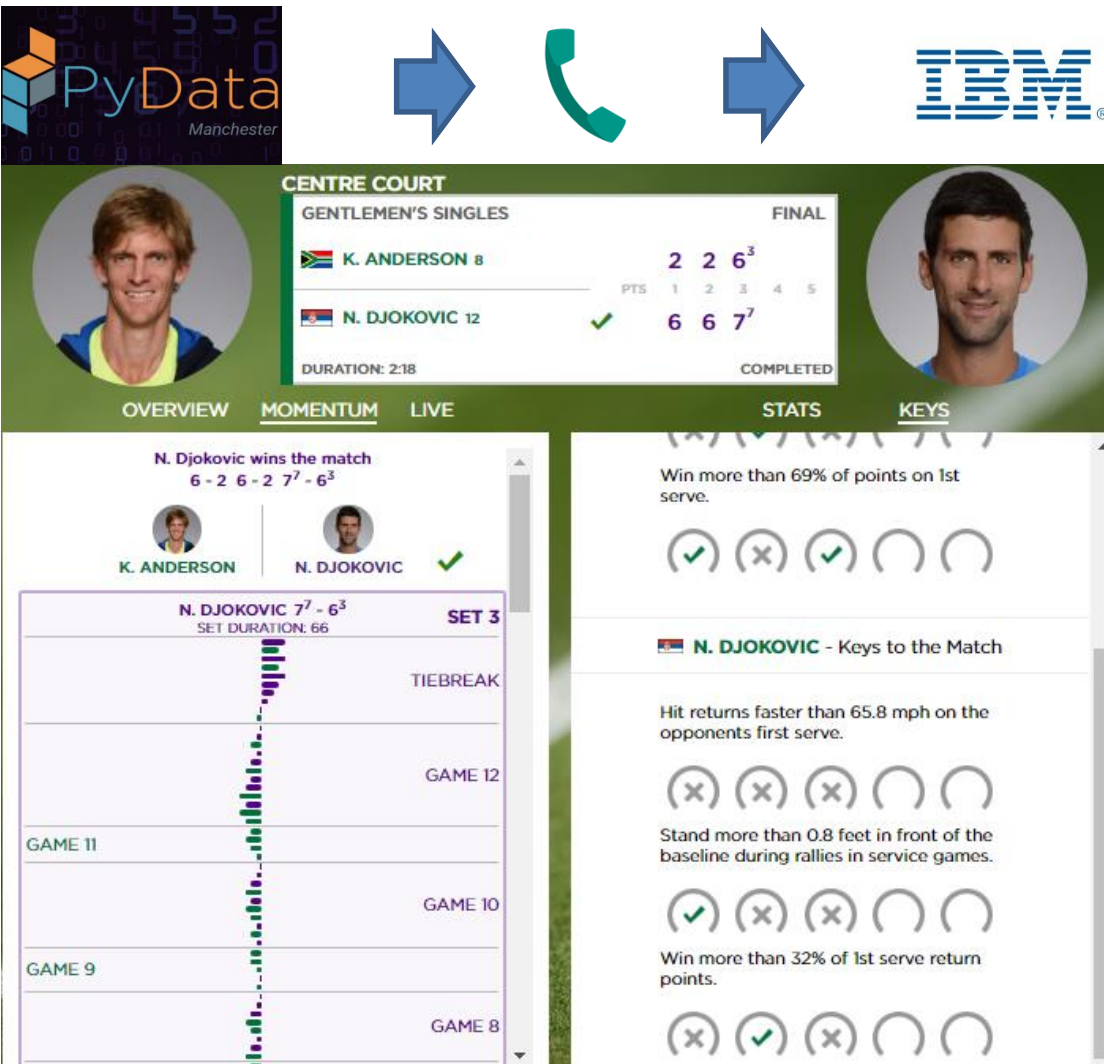


Information archeology

MOTTO:

How did I merge two totally different areas - IT and archeology and found surprising output which gave me comparative advantage

2 key moments – what encouraged me



alamy stock photo

Information archeology

ASSUMPTIONS:

- The Evolution is also present inside Information Technologies, among programming languages and among technological solutions
- It's harder to observe it as a key player or insider , it's easier from some distance and with different scientific background
- Why archeology ? It requires multi-disciplinarity to be able finish the puzzle – history, geography, linguistic, physics.. , logic instead of mathematic
- Why Information archeology ? Real archeology study history, but in IT we can see things becoming history online
- Focus on public facts, but try to find different point of view, logical analysis of seemingly irrelevant facts

Information archeology

My personal tools – economical background and 4 techniques

FINANCE



ECONOMETRY


Econometry

GAME THEORY

Nash Equilibrium

- ❑ John Nash was a mathematician and an economist.
- ❑ He developed several theories in economics.
- ❑ He was a Princeton and CMU graduate.
- ❑ His most important contribution was the theory of Nash equilibrium.
- ❑ He is the person portrayed in the movie "A beautiful mind".

John Nash



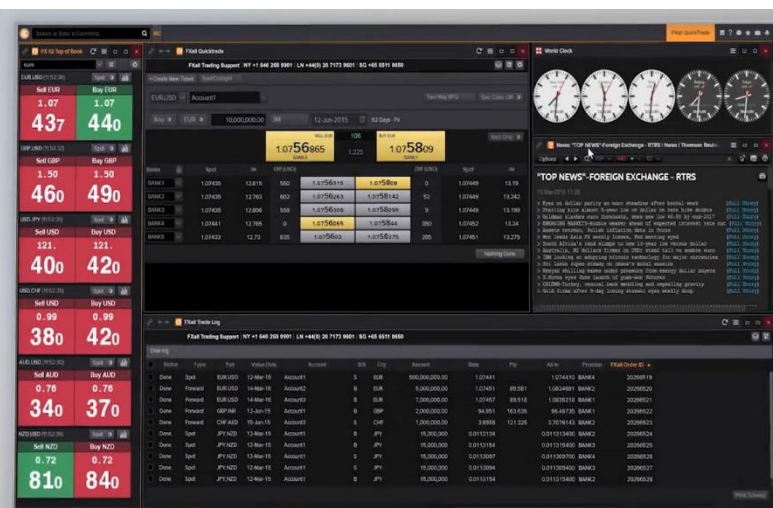
MACRO-MODELS

Macro
Economic
Models

Intermezzo – The Evolution and multi-disciplinarity

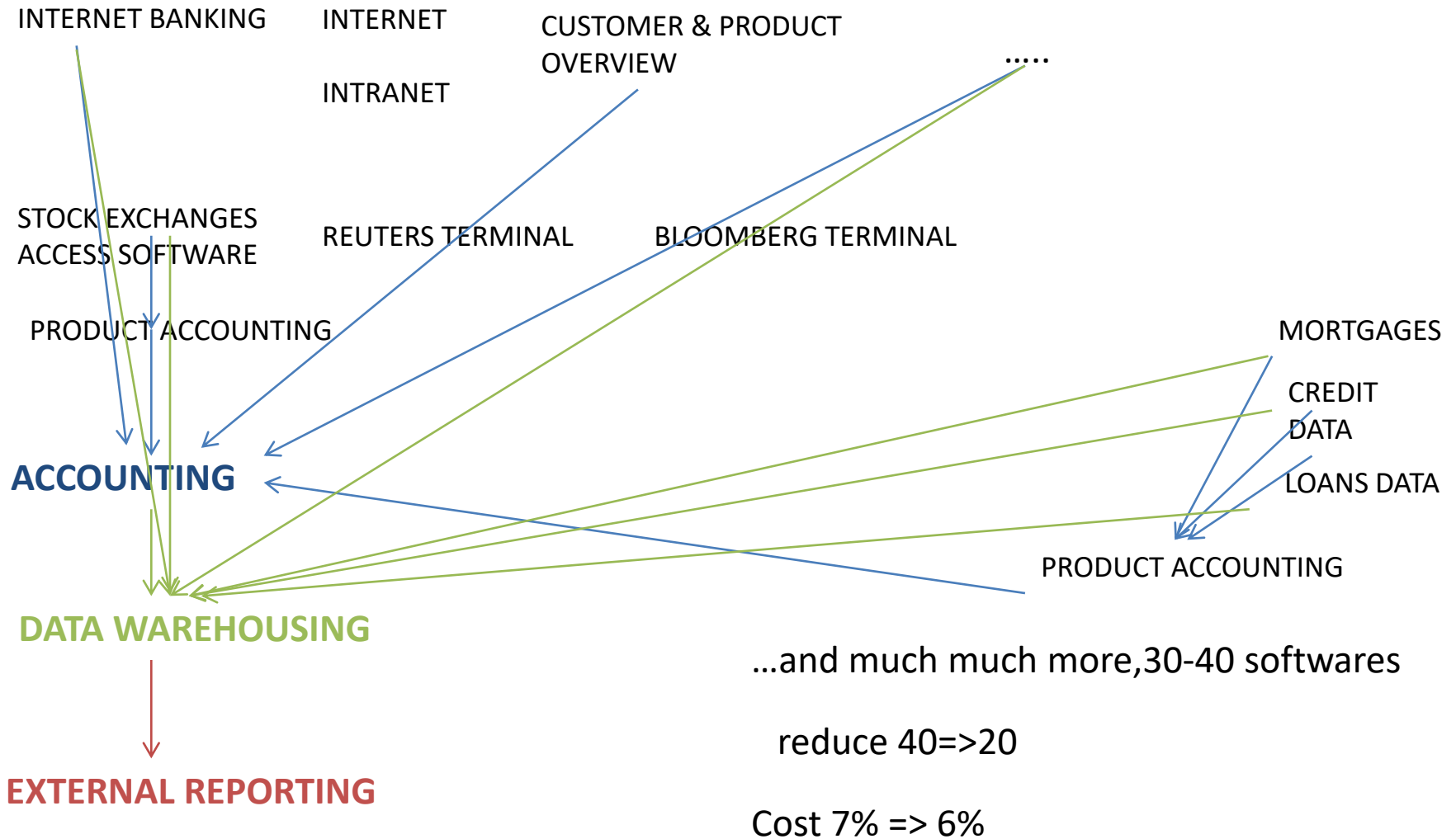


Case study 1 - Banking



1) Crude 2) OSPs 3) Products 4) Swap Benchmarks 5) Retail 99) Feedback											Wholesale Crude					
10 Americas		12 Europe		13 NAF		14 WAF		15 Asia Pacific		16 Saudi Arabia		17 Iran		18 Other Mid East		
	Time	Price	Chg	Diff	Chg							Time	Price	Chg	Diff	Chg
United States						Canada										
Alaska North Slope	11/25	41.89	+0.72	.10	+0.20	Edmonton Syncrude ...	11/25	44.19	+0.32	1.15	+0.15					
Bakken UHC	11/25	40.94	+0.52	-.85	+0.00	Edmonton Mixed Sweet	11/25	40.24	+0.17	-2.80	+0.00					
Bakken Guernsey	11/25	39.59	+0.52	-2.20	+0.00	Edmonton C5 Conden...	11/25	45.04	+0.17	2.00	+0.00					
Bloomberg USGC Sour I...	11/25	39.44	-.05	-2.35	-.57	West Canada Select (...)	11/25	28.24	+0.17	-14.80	+0.00					
Bonito Sour	11/25	40.54	+1.27	-1.25	+0.75	Implied Bitumen	11/25	21.04	+0.17	-20.75	-.35					
Cal Merc Avg (CMA) Diff	11/25	--	--	-1.68	+0.40	Mexico										
Eugene Island	11/25	39.79	+1.02	-2.00	+0.50	Mexican Mix	11/25	34.86	+0.00	--	--					
Heavy Louisiana Sweet ...	11/25	43.79	+0.27	2.00	-.25	Isthmus										
Light Louisiana Sweet (...)	11/25	44.29	+0.17	2.50	-.35	to Europe	12/31	--	--	-3.05	N.A.					
Mars Blend	11/25	39.39	-.13	-2.40	-.65	to Asia	12/31	--	--	-4.35	N.A.					
Poseidon	11/25	39.39	-.18	-2.40	-.70	to USA	12/31	--	--	-.45	N.A.					
Southern Green	11/25	39.54	+0.17	-2.25	-.35	to USA (Bloomberg)	11/25	42.77	+0.44	--	--					
Thunder Horse	11/25	40.79	+0.52	-1.00	+0.00	Maya										
WTI Cushing	11/25	41.79	+0.52	-1.25	+0.35	to Europe	12/31	--	--	-5.65	N.A.					
WTI Midland	11/25	41.54	+1.07	-.25	+0.55	to Asia	12/31	--	--	-11.85	N.A.					
WTI Posting Plus Diff	11/25	--	--	1.70	+0.40	to USA	12/31	--	--	-3.20	N.A.					
West Texas Sour (WTS)	11/25	41.54	+0.97	-.25	+0.45	to USA (Bloomberg)	11/25	34.64	+0.29	--	--					
NYMCL Full Month	17:00	43.01	+0.00	-43.01	+0.00	Olmecca										
ICECL Full Month	17:00	46.03	-.04	46.03	-.04	to USA	12/31	--	--	2.05	N.A.					
Colombia						to USA (Bloomberg)	11/25	45.57	+0.34	--	--					
Vasconia	11/25	38.52	-.14	-8.25	+0.00	to Europe	12/31	--	--	-2.05	N.A.					
Ecuador						Venezuela										
Oriente	11/25	35.77	-.14	-11.00	+0.00	Venezuela Basket	11/20	34.46	N.A.	--	--					

Quiz question : Are fin-tech and law-tech examples of multi-disciplinarity ?



Case study 2 – ERP

Oracle vs SAP – giants fight

ORACLE®
ERP



Follow the arrow mark towards Project Definition. Tables are connected by either primary key or common fields.

Questions? Or get this doc in PDF format.
www.sqisolic.com

(Funds Management)

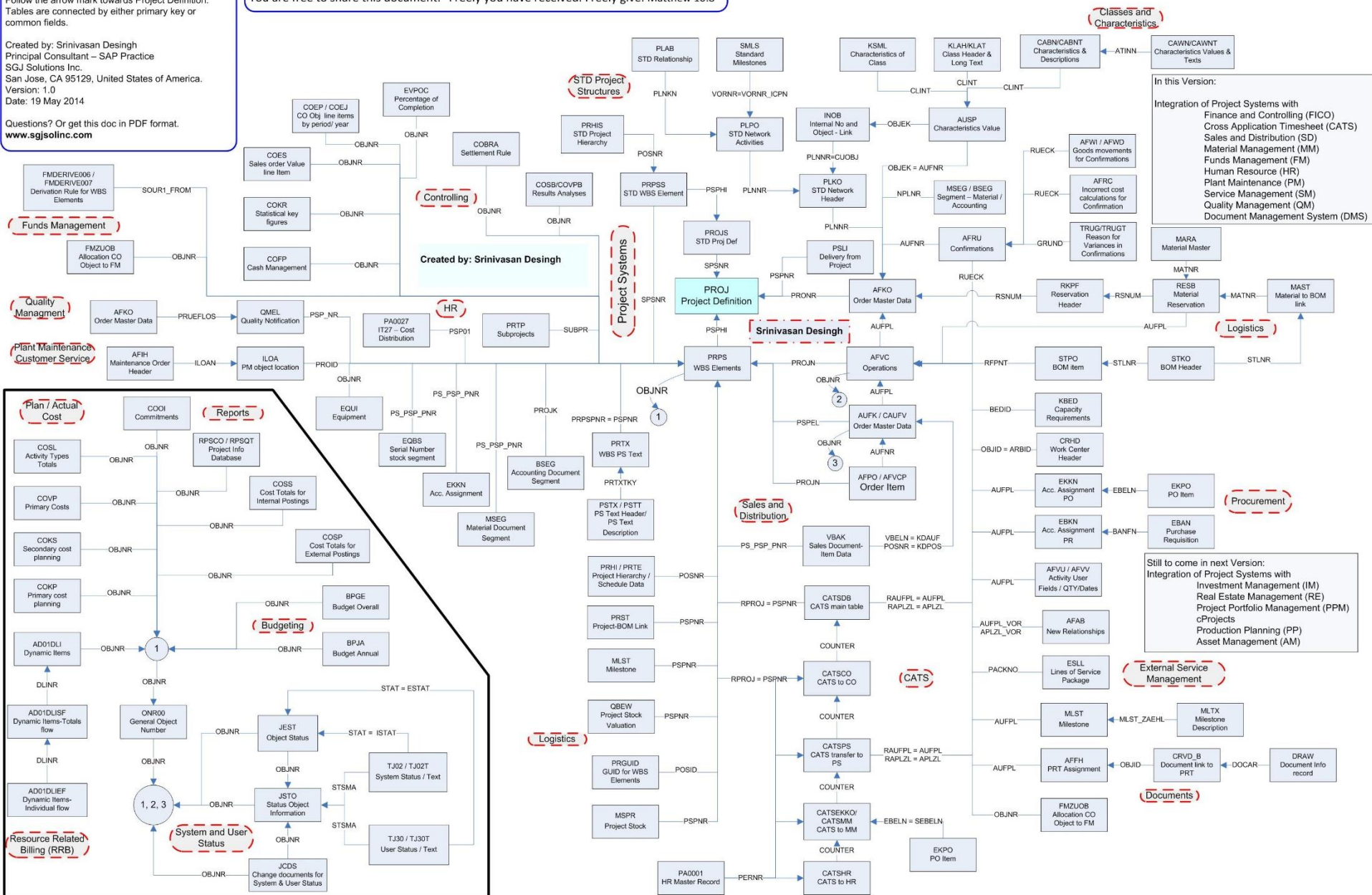
Quality
Management

Plant Maintenance
Customer Service

Plan / Actual

Resource Related
Billing (RRB)

System and User Status



Physical Data Model (extract 1/2)

LEGEND:

DESIGN TABLE

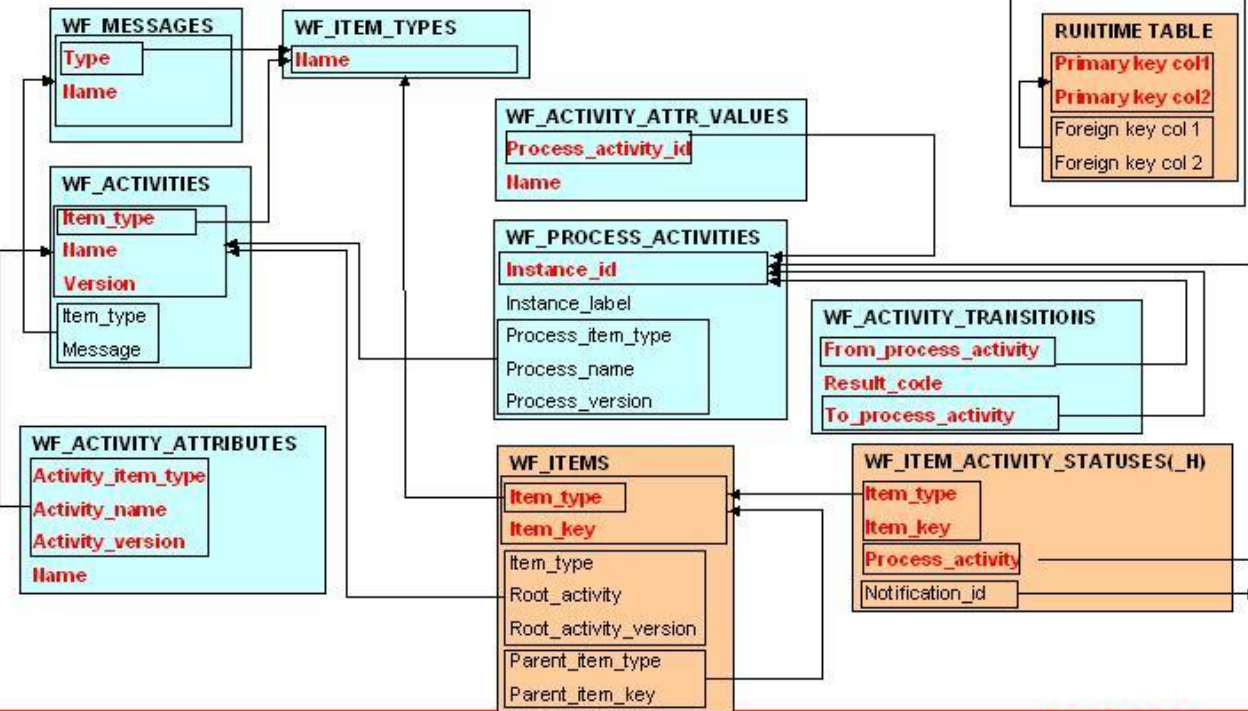
RUNTIME TABLE

Primary key col1

Primary key col2

Foreign key col 1

Foreign key col 2



ORACLE

ERP DEV's....higher.10's th.

ERP CONSULTANTS.....100's th.

IT MANAGERS.....1-2 mil

END USERS.....100 mil

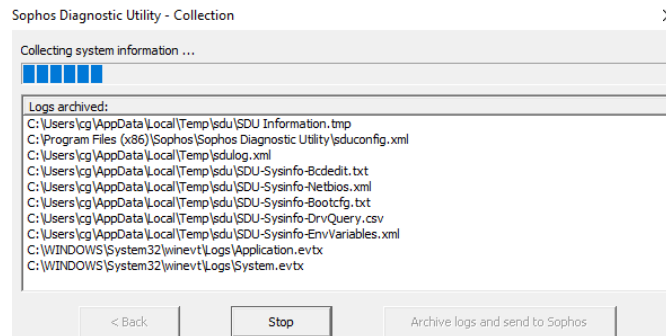


Case study 3

– Cybersecurity



Short-list and analysis



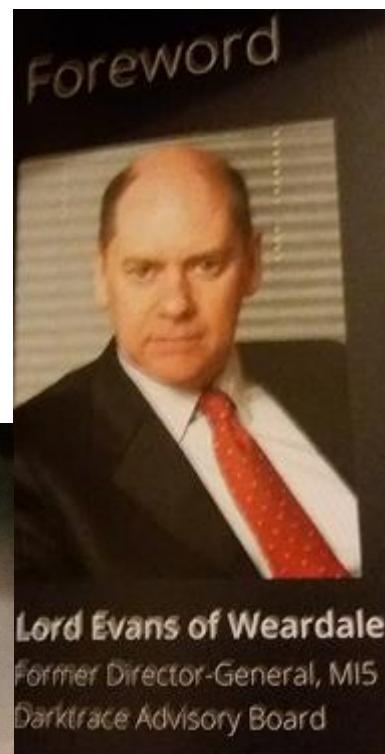
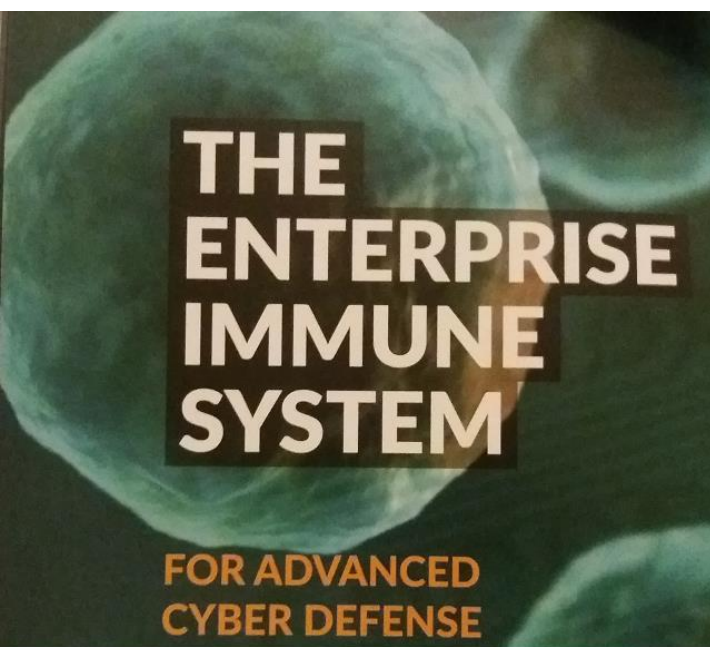
W Sophos - Wikipedia

Sophos was founded by Jan Hruska and Peter Lammer and began producing its first antivirus and encryption products in 1985.^[2]

W Sophos - Wikipedia

2006, Peter Gyenes and Steve Munford were named chairman and CEO of Sophos, respectively. Jan Hruska and Peter Lammer remain as members of the board of directors.^[5]

Short-list and analysis



Lord Evans of Weardale
Former Director-General, MI5
Darktrace Advisory Board

We are undoubtedly living in a new era of constantly-evolving threats, which forces us to re-think our defence plan. The old idea of being able to protect your data behind a wall, and block all 'bad' influences, is over. Businesses are global, networks are expanding, people, by nature, are unpredictable.

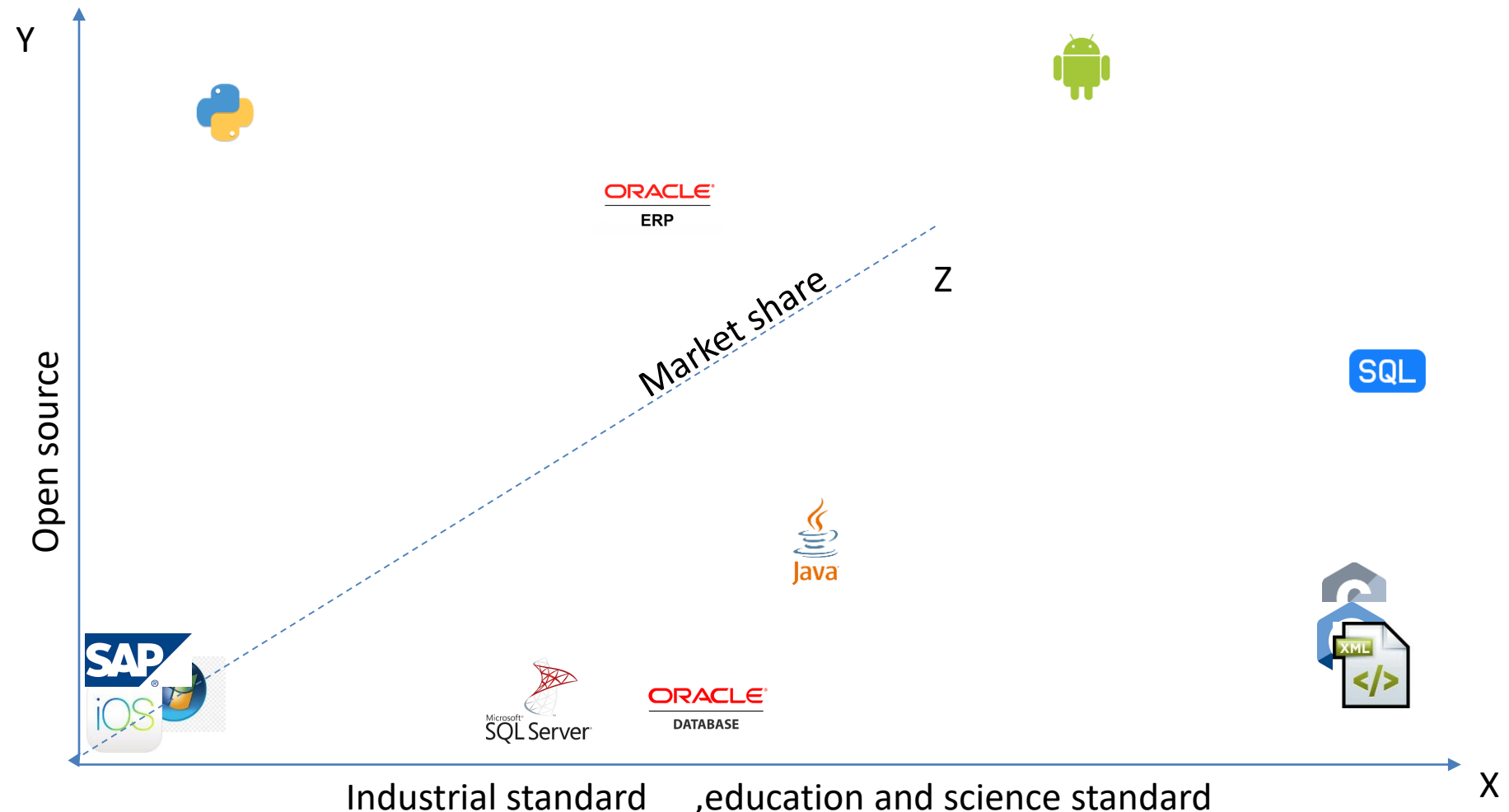
Information archeology

POSSIBLE OUTPUTS :

- Business outputs : identify technologies markets with potential and dynamics
: identify market leaders and market changers (game changers)
- Education priorities : identify what technologies to teach
- : provide support to the people whose career-path was junior
→ senior → software architect and they would like to go
beyond , be industry architect

Key element : Industrial standard

Is way towards industrial standard winning strategy and win-win solution ?



Thank you for your attention