



BUILDING A GROWTH-FRIENDLY TAX ENVIRONMENT

The 2nd Conference of Belt and Road Initiative Tax Administration Cooperation Forum

——Digitalization of Tax Administration

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BUILDING A GROWTH-FRIENDLY TAX ENVIRONMENT

Moving Forward with AI

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Jurisdiction/Organization: Inland Revenue Board of Malaysia



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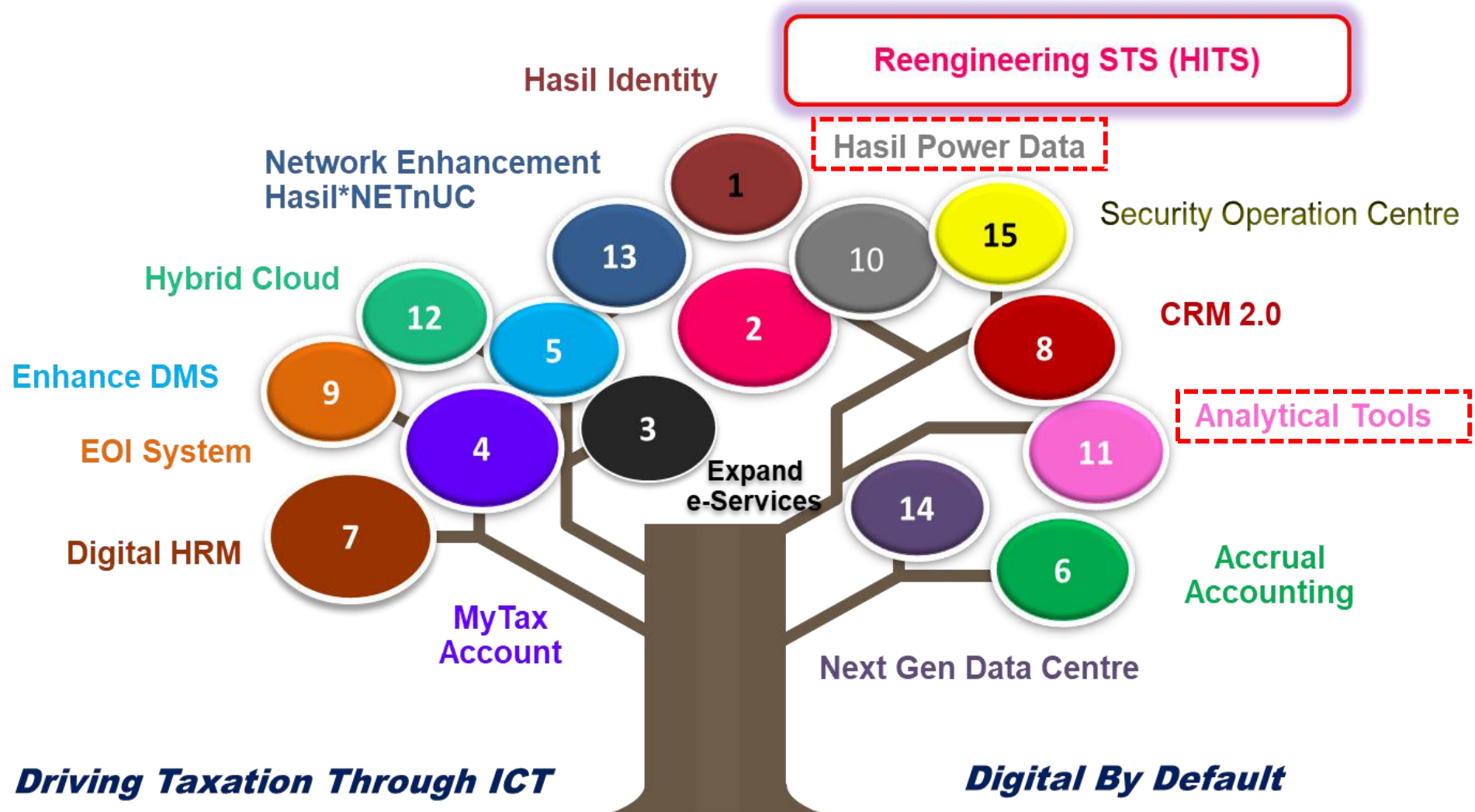
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IRBM's DIGITAL TRANSFORMATION





Advantages of the Digital Transformation in IRBM



01

Managing technology complexities in a fast changing environment

02

Providing a better customer experience and effectively reducing administration costs (Digital-by-default)

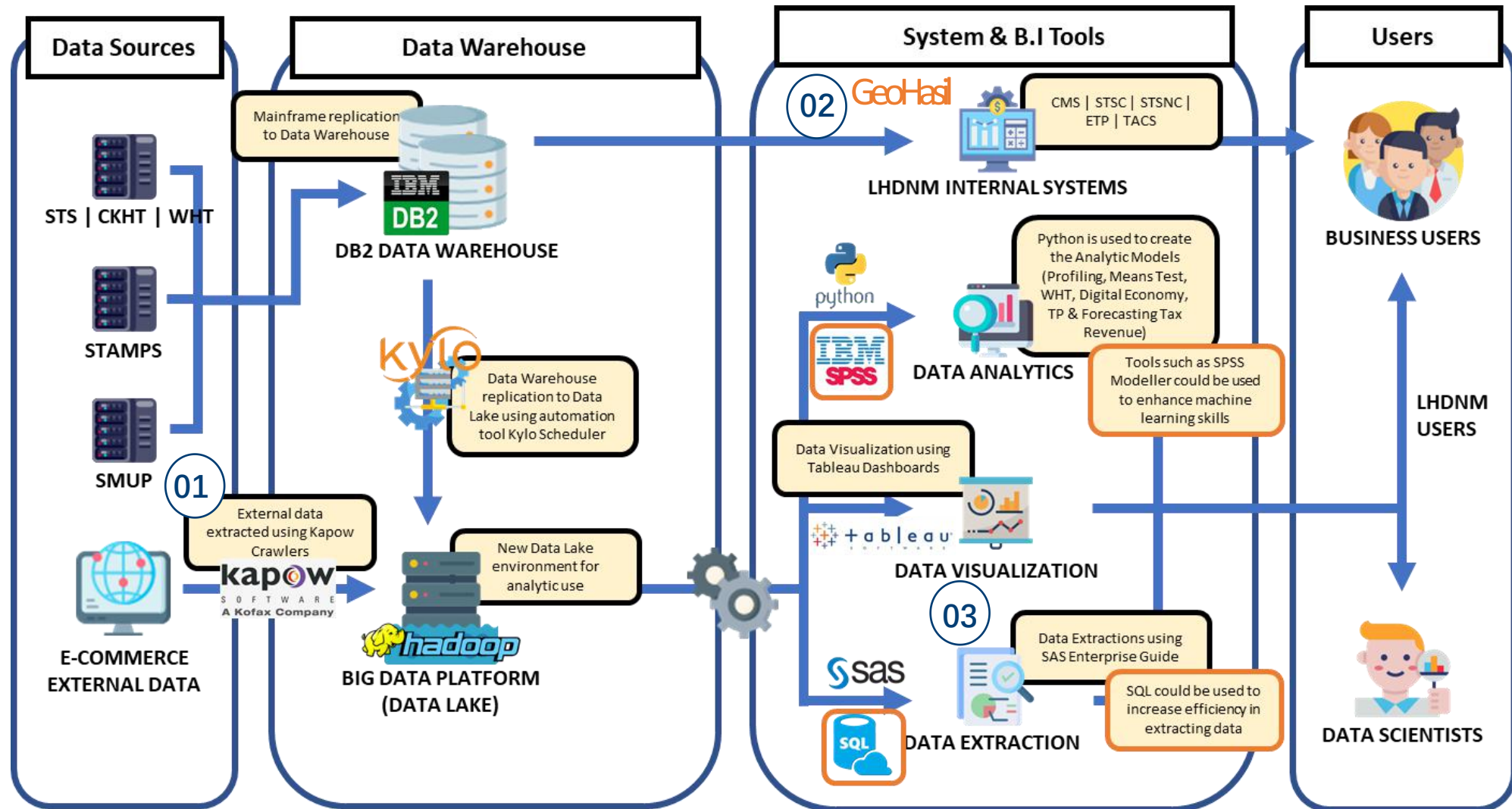
03

Studying the behaviour of Malaysian taxpayers

04

Improving compliance activities by undertaking real-time risking

INTERNAL DIGITALISATION PLATFORM



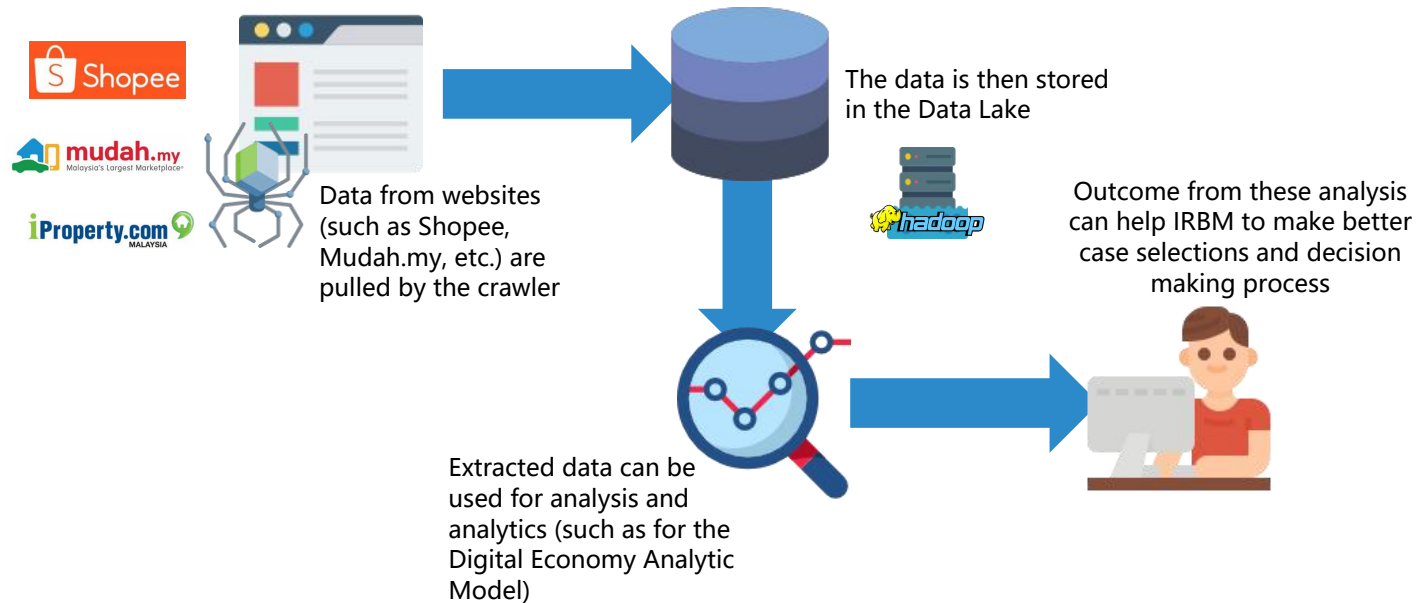


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ROBOTIC PROCESS AUTOMATION FOR WEB DATA EXTRACTION

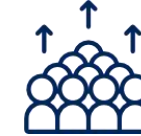


Kapow is an intelligent software robot that automatically interact with and pull data from disparate websites and portals—and then deliver it in near-real time, constantly updating and integrating the data with IRBM systems for analysis and analytics.



Business Benefits

Increase tax base by identification of digital economy taxpayers



More informed decision making through data and analysis

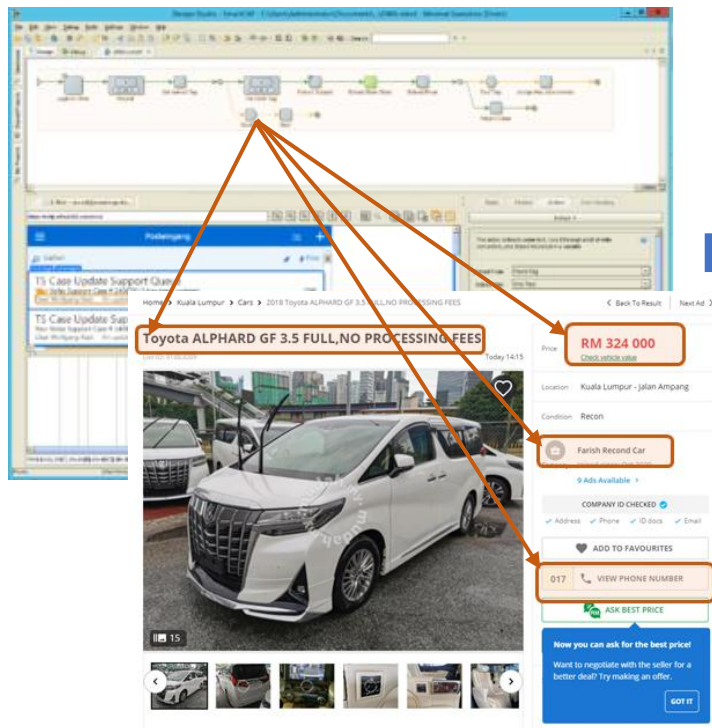


Reducing manual effort to identify digital economy taxpayers



Increase revenue collection



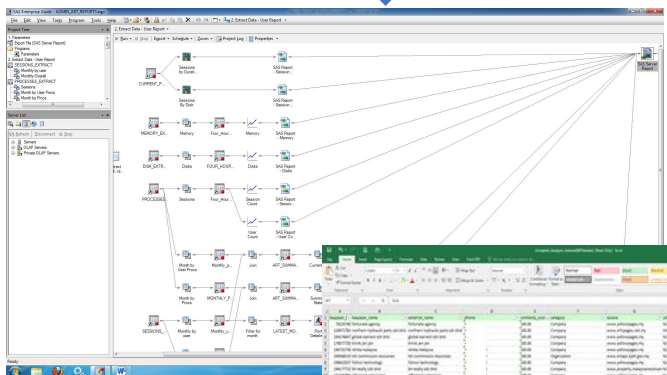
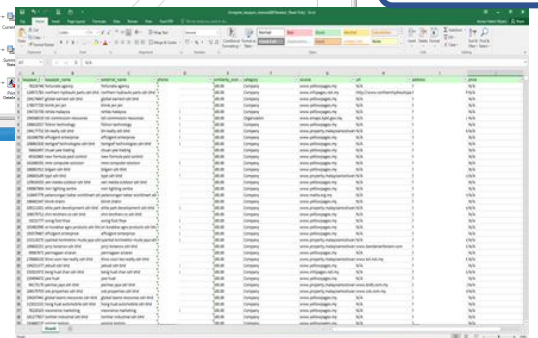


Database navigation

Show databases from project: (All)

Table: product_004

id	name	id	numberOffices	category	price	product	create
NE01	albus my	Sumner Street s...	1.0	2 - Bottoms	8.80	Sumner Street s...	
NE01	albus my	2018S 4000000000	0.0	1 - Plus Size	79.82	2018S 4000000000	
NE01	albus my	Mera's Active Ba...	0.0	2 - Shoes	44.85	Mera's Active Ba...	
NE01	albus my	2018S 4000000000	0.0	1 - Tops & Tees	64.84	2018S 4000000000	
NE01	albus my	10000000000000	0.0	1 - Blouses & Shirts	26.72	10000000000000	
NE01	albus my	810 Super Frie...	0.0	1 - Longsleeve & S...	17.41	810 Super Frie...	
NE01	albus my	Autumn Dress...	0.0	1 - Bottoms	9.1	Autumn Dress...	
NE01	albus my	810 Super Frie...	1.0	1 - Blouses & S...	28.28	810 Super Frie...	
NE01	albus my	Chic early eka...	0.0	1 - Tops & Tees	14.86	Chic early eka...	
NE01	albus my	NET jam Vela...	0.0	1 - Tops & Tees	43.71	NET jam Vela...	
NE01	albus my	Brookstone and...	0.0	1 - Coats & J...	1.87	Brookstone and...	
NE01	albus my	Crown School Ba...	1.0	3 - Kids Clothing...	21.79	Crown School Ba...	
NE01	albus my	Spring new ve...	0.0	1 - Bottoms	10.87	Spring new ve...	
NE01	albus my	Mera's Basic Cat...	0.0	2 - Sneakers	45.87	Mera's Basic Cat...	
NE01	albus my	(BEST DEAL) H...	0.0	1 - Tops & Tees	68.0	(BEST DEAL) H...	
NE01	albus my	Agnet Lohit tem...	0.0	1 - Bottoms	39.82	Agnet Lohit tem...	
NE01	albus my	Dance with Vira...	0.0	2 - Tops & Tees		Dance with Vira...	
NE01	albus my	Supreme FIVE...	2.0	1 - Coats & J...		Supreme FIVE...	
NE01	albus my	Shade Green...	0.0	1 - Tops & Tees		Shade Green...	
NE01	albus my	Franchise house...	0.0	3 - Senior W...		Franchise house...	
NE01	albus my	2018 Autumn Dr...	0.0	1 - Dresses		2018 Autumn Dr...	
NE01	albus my	2018 1kg 250...	0.0	1 - Senior W...		2018 1kg 250...	
NE01	albus my	Real 2018 new...	0.0	1 - Senior W...		Real 2018 new...	
NE01	albus my	Mera's Cathe...	0.0	2 - Bottoms		Mera's Cathe...	
NE01	albus my	Real Flat 97724...	0.0	1 - Tops & Tees		Real Flat 97724...	

2

All the data is then stored in the Data Lake for further analysis

4

Widening Tax Base
(Register new Taxpayer based on analytics)

Identify Underreporting of Income
(Raise additional Tax)

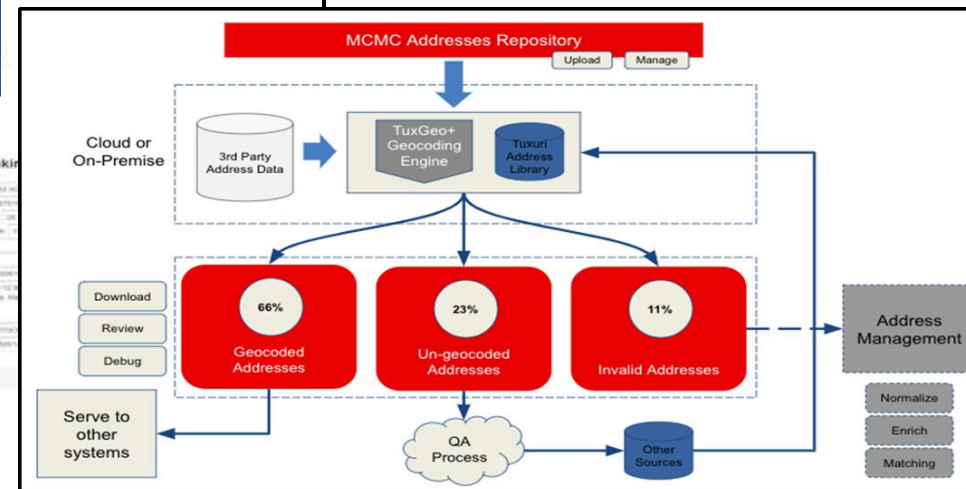
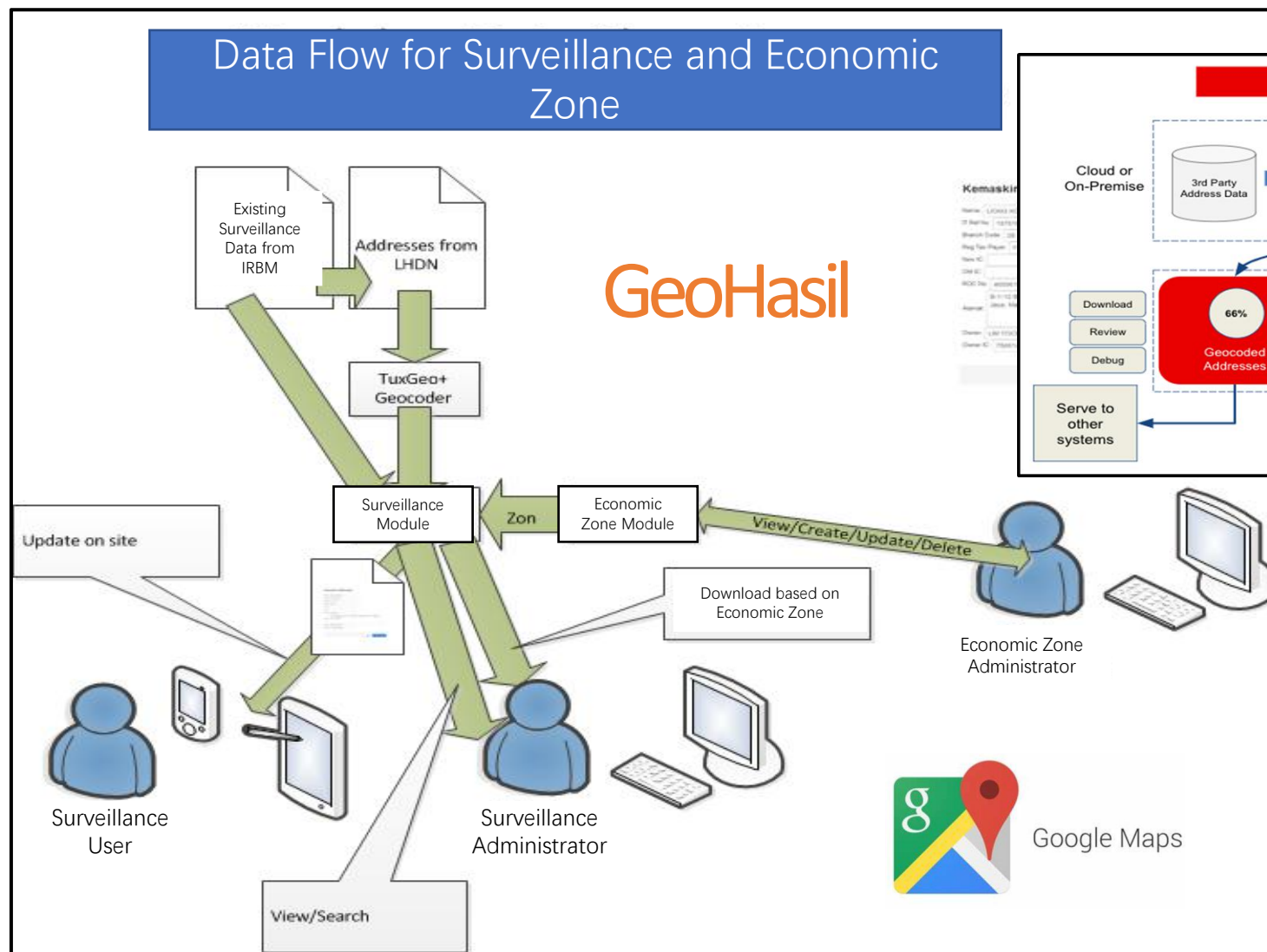
3

Matching process to detect unregistered taxpayers or under reporting of income



1

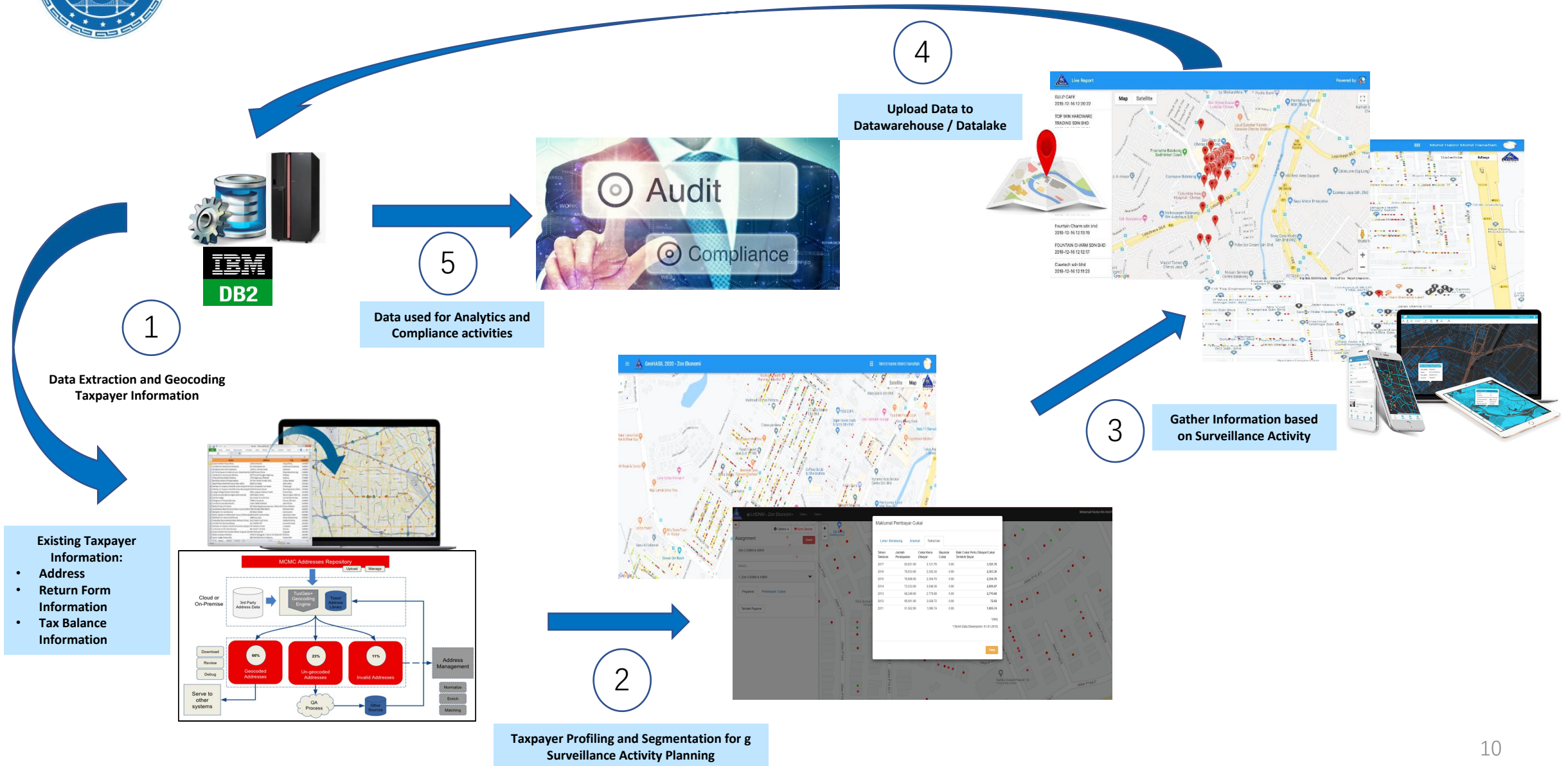
Determine the fields of data to be crawled (name of product, price, seller details, etc.)



- 1 Profiling
- 2 Taxpayer Segmentation
- 3 Tax Compliance

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GEOHASIL: ONE STOP DASHBOARD BASED ON LOCATION DATA





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DATA ANALTICS AND DATA VISUALISATION



Data Analytics



1

Growing use of behavioural insights

(Taxpayer segmentation using Machine Learning / Build Analytics Model based on specific indicators)

2

Compliance Risk Management

(DMAS, TACS, Risk Scoring Model using Machine Learning)

3

Compliance by design

(Prefilled of tax returns, auto assessment)

Data Visualisation



1

Real-time Statistic Platform

(Tax operations statistics in near real-time and real-time basis)

2

Interactive Monitoring Dashboard

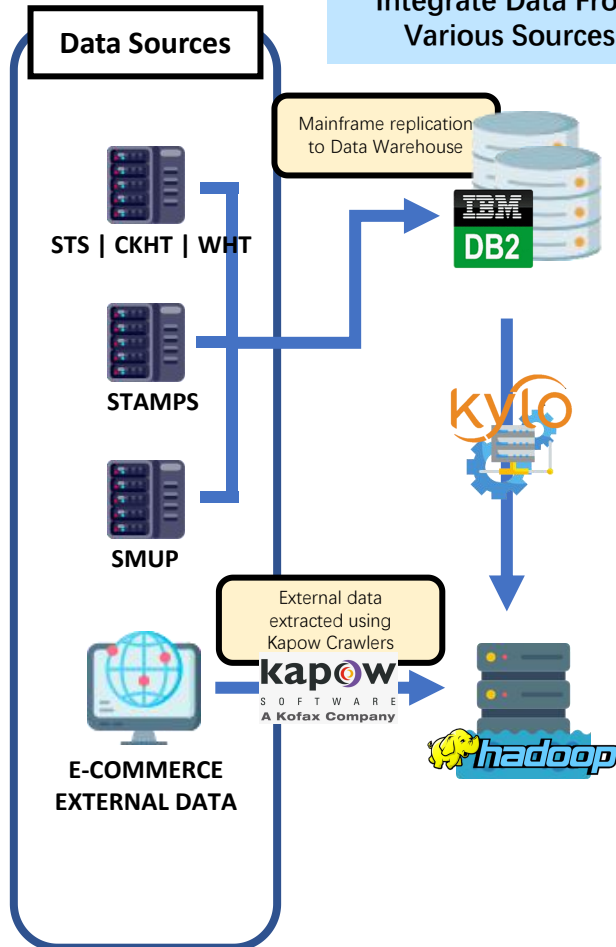
(Easy to interpret insightful data)

3

Provide information for Decision Making Process

01

Integrate Data From Various Sources



sas
THE POWER TO KNOW.

02



Calculate Risk Factor using Analytical Tools:

- Computing Taxpayer Means (Analyse taxpayer and spouse assets and income)
- Identify Non-Compliant Taxpayer

Analyse Taxpayer and Spouse Information for the Means Test Dashboard:

- Risk Indicator
- Unreported Income Summary
- Taxpayer and Spouse Assets Income
- Taxpayer and Spouse Vehicle Information
- Taxpayer and Spouse Property Information
- Taxpayer and Spouse Share Information

RISK INDICATOR DASHBOARD

Taxpayer It Ref No	%Year 7	%Year 6	%Year 5
XXXXX	653%	629%	1,366%

TaxPayer	Taxpayer It Ref No	TaxPayer % Year 7	TaxPayer % Year 6	TaxPayer % Year 5
name	XXXXX	616%	696%	1,153%
LIM HOCK EAN				

TaxPayer's Spouse	Spouse % Year 7	Spouse % Year 6	Spouse % Year 5
Taxpayer It Ref No			
2519750090	706%	319%	1,922%

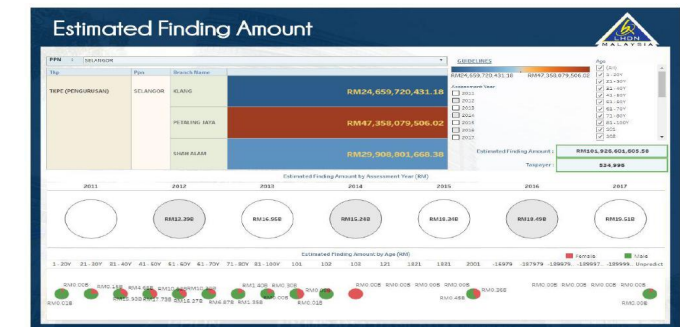
High Risk Indicator %:
Assets > Income Reported

03

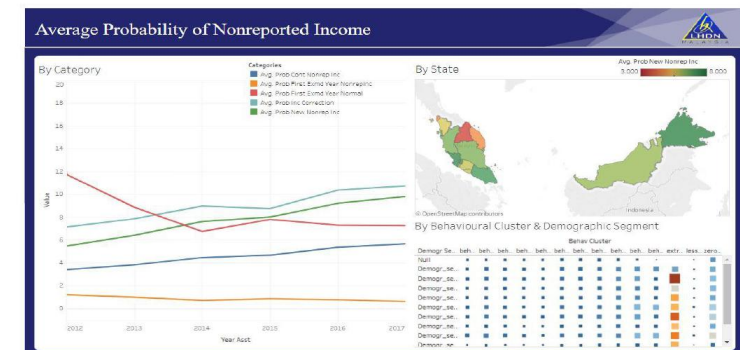
ableau
SOFTWARE

Visualise Interactive Findings

View Estimated Finding Amount Dashboard



Visualising Average Probability of Non-Reported





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THANKS

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