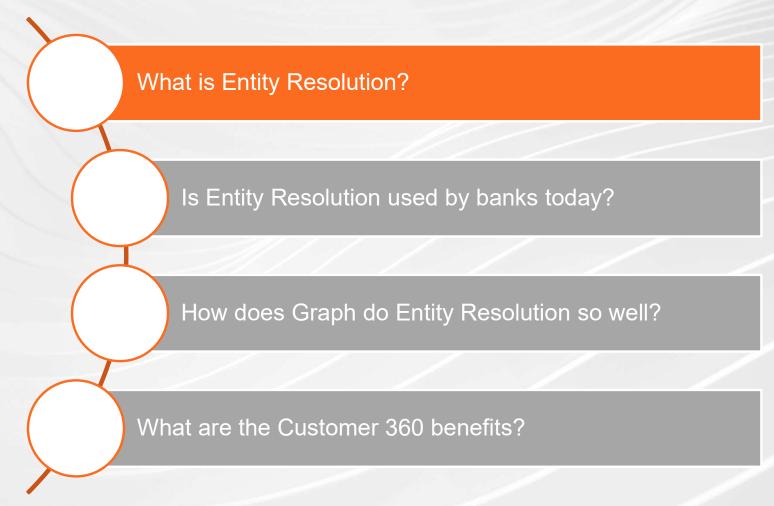


Generate more value from the same existing data - with Graph-powered Entity Resolution for Financial Crime Detection and Customer360

Charlie Beveridge









































Save card details for my next payment

Back to Checkout Demo

Secure payments provided by **bambora**





Thank you for your payment!

Save card details for my next payment

Back to Checkout Demo

Secure payments provided by bambora









Save card details for my next payment

Back to Checkout Demo

Secure payments provided by bambora





Thank you for your payment!

Save card details for my next payment

Back to Checkout Demo

Secure payments provided by bambora











Save card details for my next payment

Back to Checkout Demo

Secure payments provided by bambora





Thank you for your payment!

Save card details for my next payment

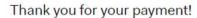
Back to Checkout Demo

Secure payments provided by bambora









Save card details for my next payment

Back to Checkout Demo

Secure payments provided by bambora











Thank you for your payment!

Save card details for my next payment

Back to Checkout Demo

Secure payments provided by bambora







Save card details for my next payment

Back to Checkout Demo

Secure payments provided by **bambora**













Thank you for your payment!

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Back to Checkout Demo

Secure payments provided by bambora







Save card details for my next payment

Back to Checkout Demo

Secure payments provided by **bambora**













Thank you for your payment!

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Back to Checkout Demo

Secure payments provided by bambora





London

Monthly Spend in line with population average

Mid-range Supermarket, Tech, Men's Clothes Stores Device IDs: #111, #888





London

Monthly Spend in line with population average Mid-range Supermarket, Tech, Men's Clothes Stores Device IDs: #111, #888



Echo Transaction

London

Spend in line with average day to day

Online Tech Store





London

Monthly Spend in line with population averageMid-range Supermarket, Tech, Men's Clothes Stores

Device IDs: #111, #888



Echo Transaction

London

Spend in line with average day to day

Online Tech Store

Device ID: #111



Necklace Transaction

Manchester

Very high end spend

Online Women's Jewellery Store





London

Monthly Spend in line with population average

Mid-range Supermarket, Tech, Men's Clothes Stores Device IDs: #111, #888



Echo Transaction

London

Spend in line with average day to day

Online Tech Store
Device ID: #111



Trousers Transaction

→ Manchester

Spend in line with average day to day

Online Men's Clothes Store

Device ID: #888



Necklace Transaction

Manchester

Very high end spend

Online Women's Jewellery Store

Device ID: #333



Manchester

Spend in line with average day to day

Mid Range Supermarket





London

Monthly Spend in line with population average

Mid-range Supermarket, Tech, Men's Clothes Stores
Device IDs: #111, #888 ▶



Echo Transaction

London

Spend in line with average day to day

Online Tech Store
Device ID: #111



Trousers Transaction

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Very high end spend

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Manchester

Spend in line with average day to day

Mid Range Supermarket





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Trousers Transaction

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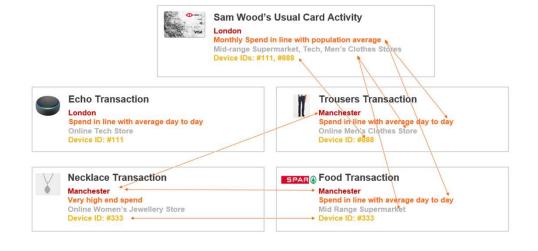


Manchester

Spend in line with average day to day

Mid Range Supermarket

























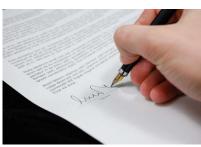








PEP: Tanya Patel



Subpoena: Tanya Owen





Shareholder Agreement: Tanya Banks

PEP:

Tanya Patel

Subpoena:

Tanya Owen





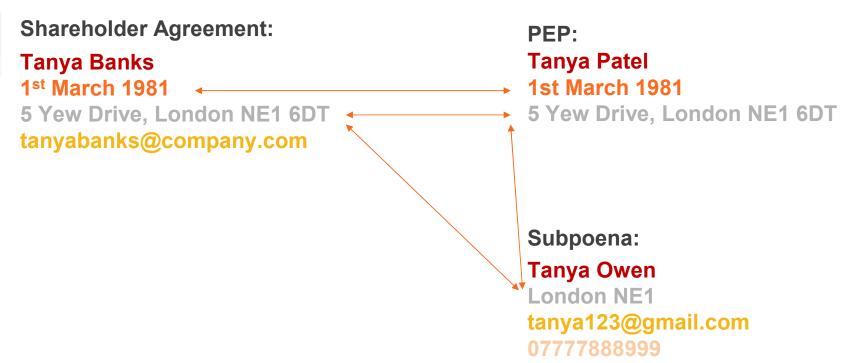
Shareholder Agreement: PEP: **Tanya Banks Tanya Patel** → 1st March 1981 1st March 1981 5 Yew Drive, London NE1 6DT ← 5 Yew Drive, London NE1 6DT tanyabanks@company.com

Subpoena:

Tanya Owen

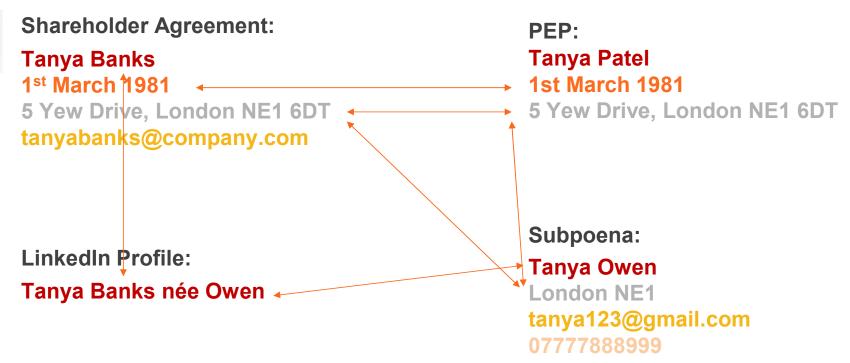






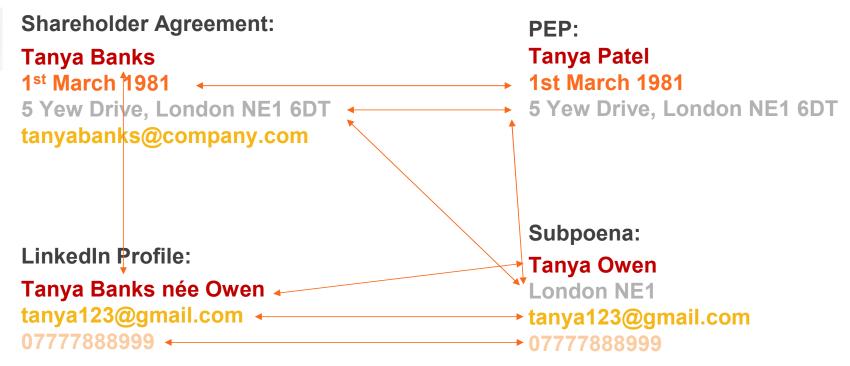




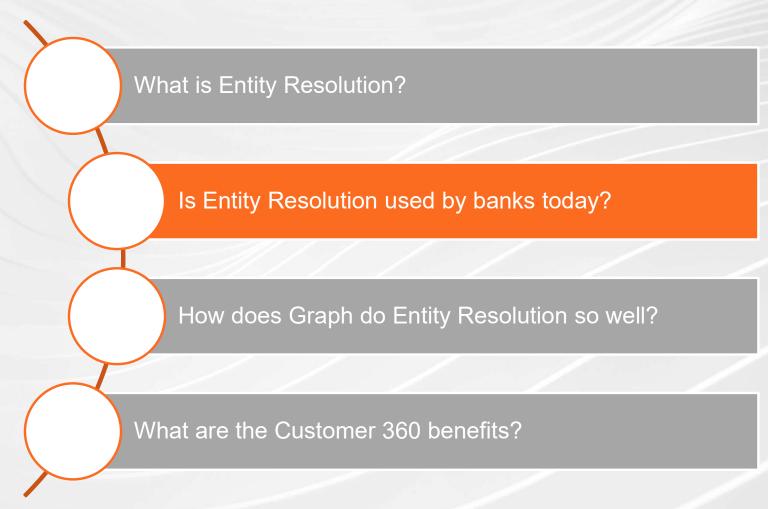




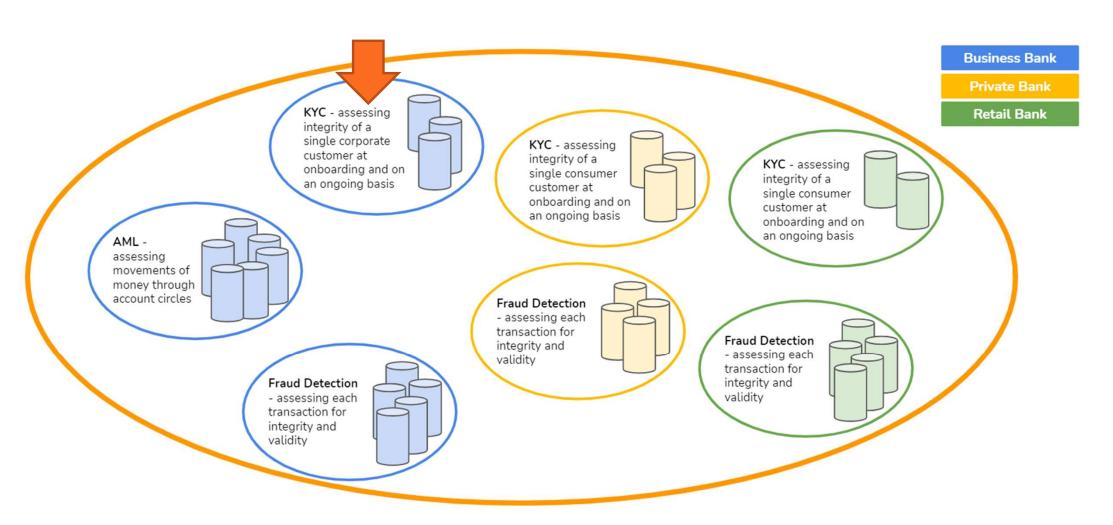




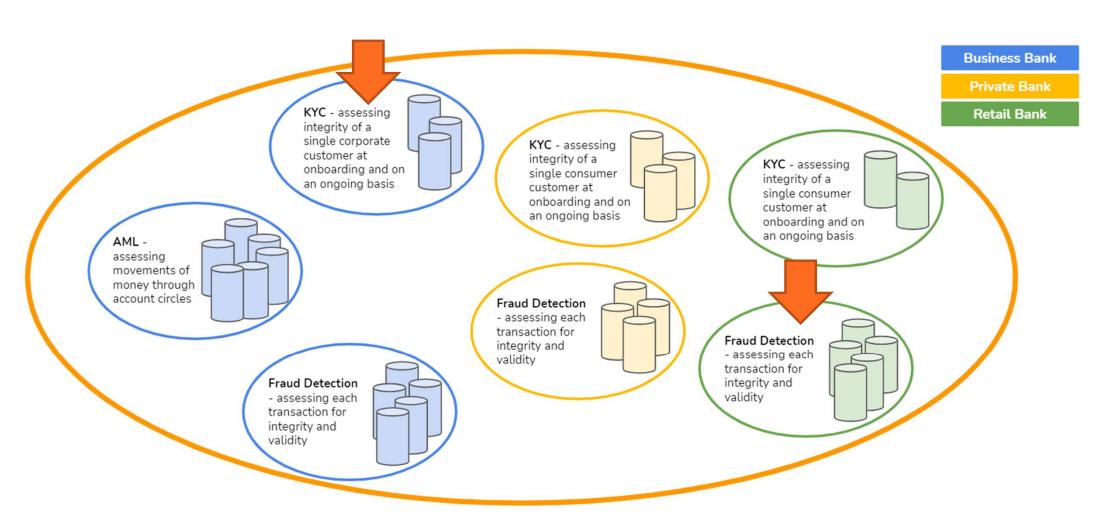




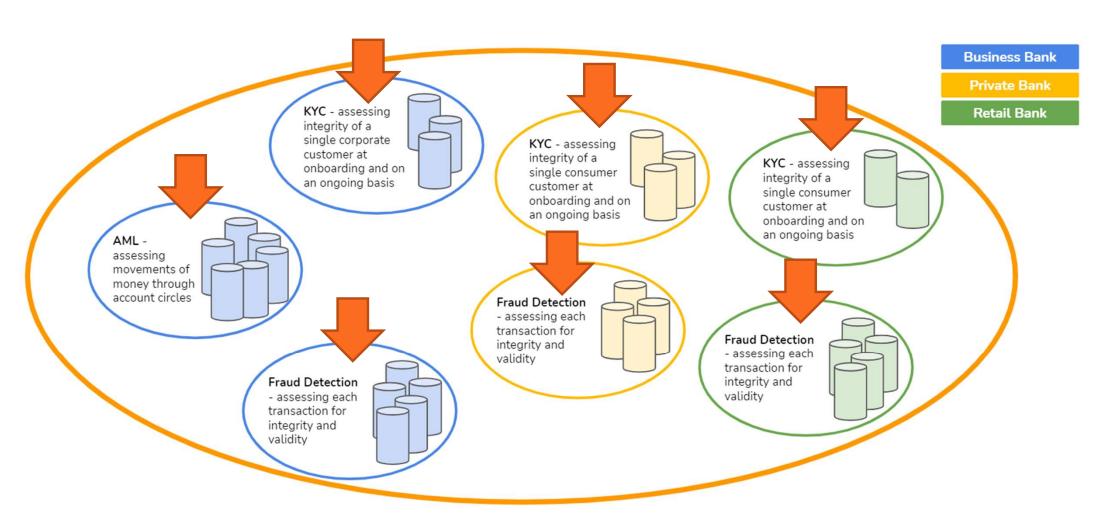




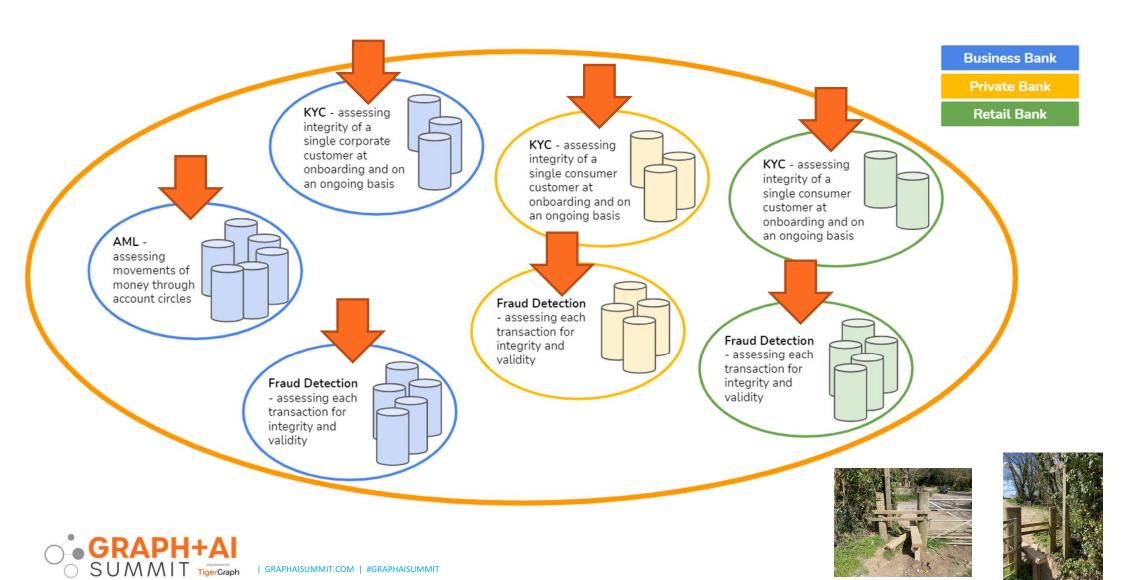




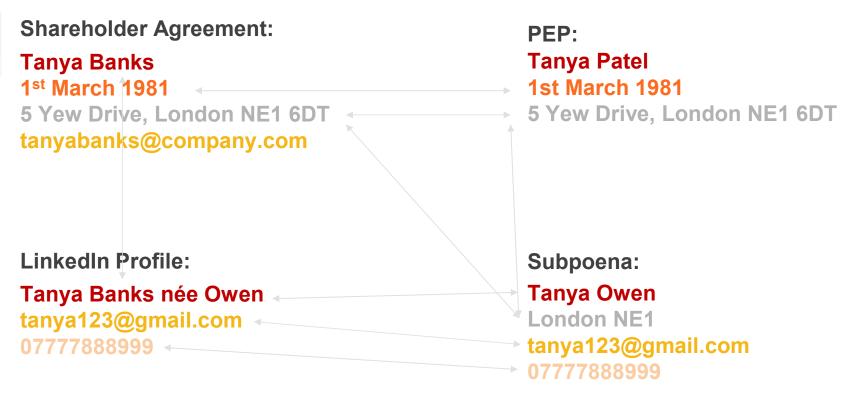
















Shareholder Agreement:



Tanya Banks

1st March 1981 5 Yew Drive, London NE1 6DT tanyabanks@company.com

PEP:



Tanya Patel

1st March 1981

5 Yew Drive, London NE1 6DT

LinkedIn Profile:



Tanya Banks née Owen

tanya123@gmail.com 07777888999

Subpoena:



Tanya Owen

London NE1 tanya123@gmail.com 07777888999





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1st March 1981
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1st March 1981

5 Yew Drive, London NE1 6DT

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tanya123@gmail.com 07777888999

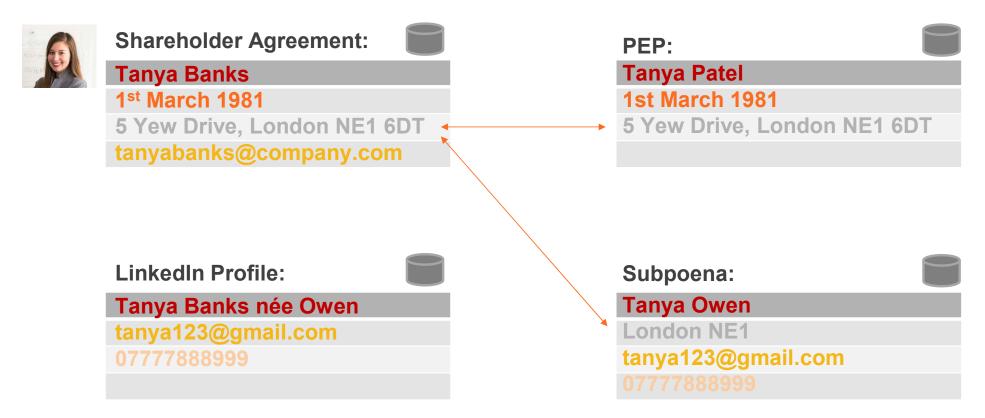
Subpoena:



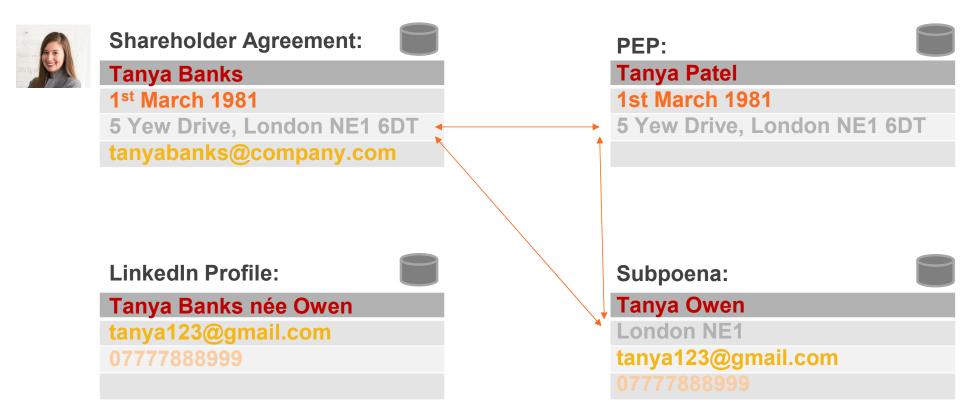
Tanya Owen

London NE1 tanya123@gmail.com

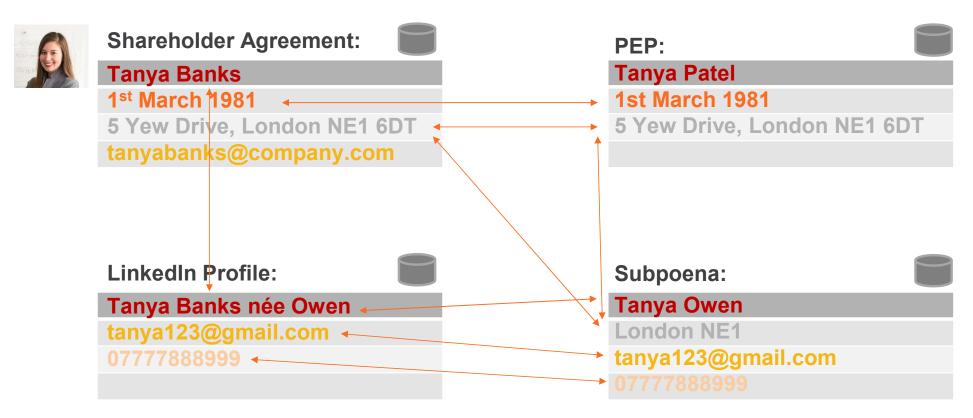




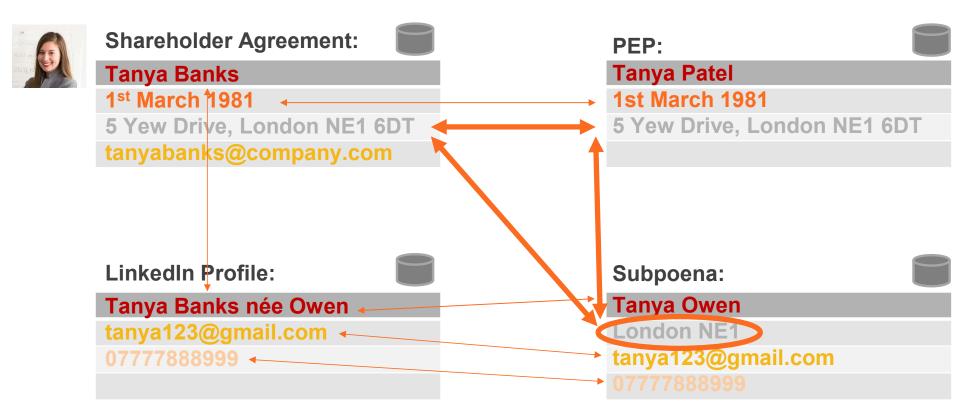




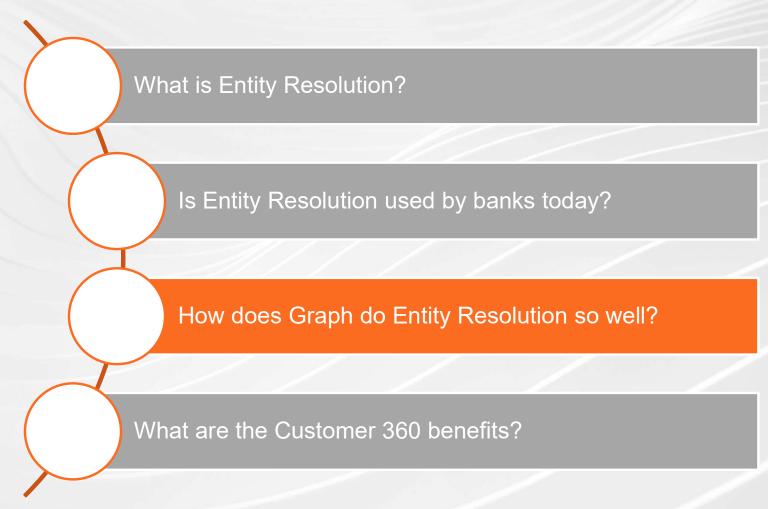






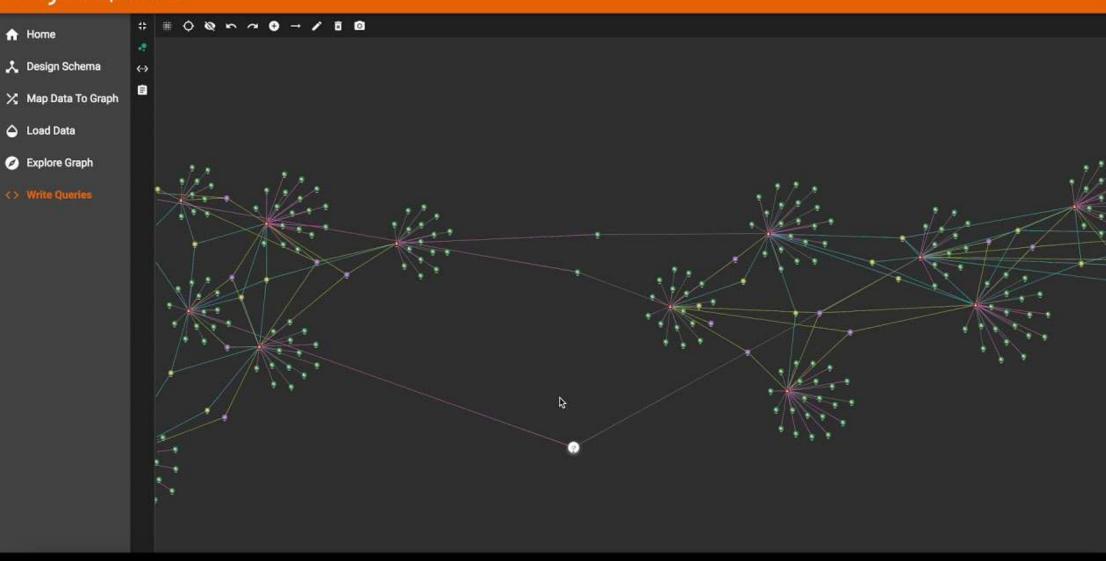




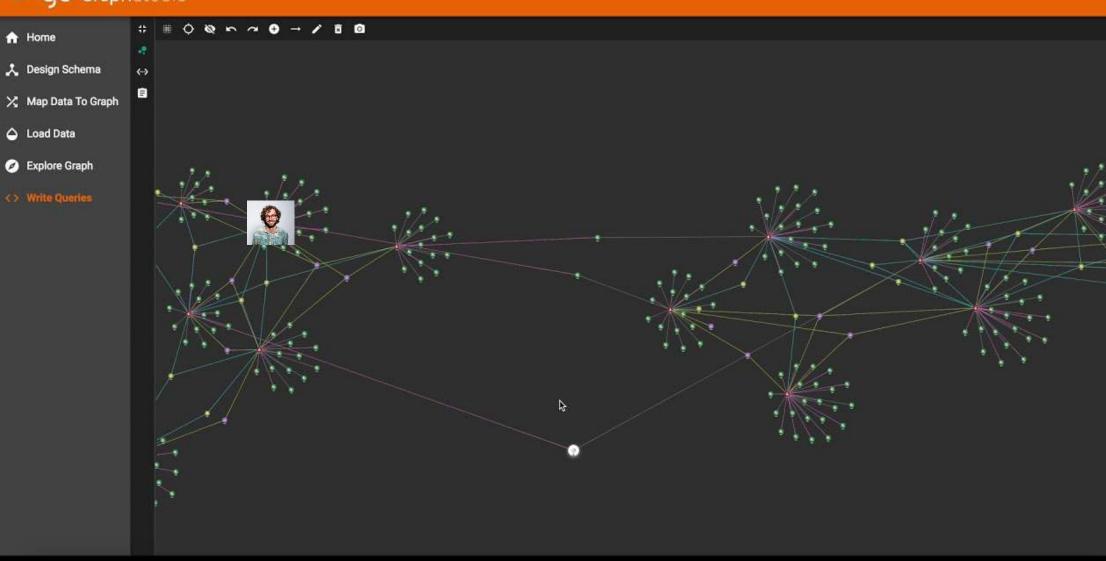




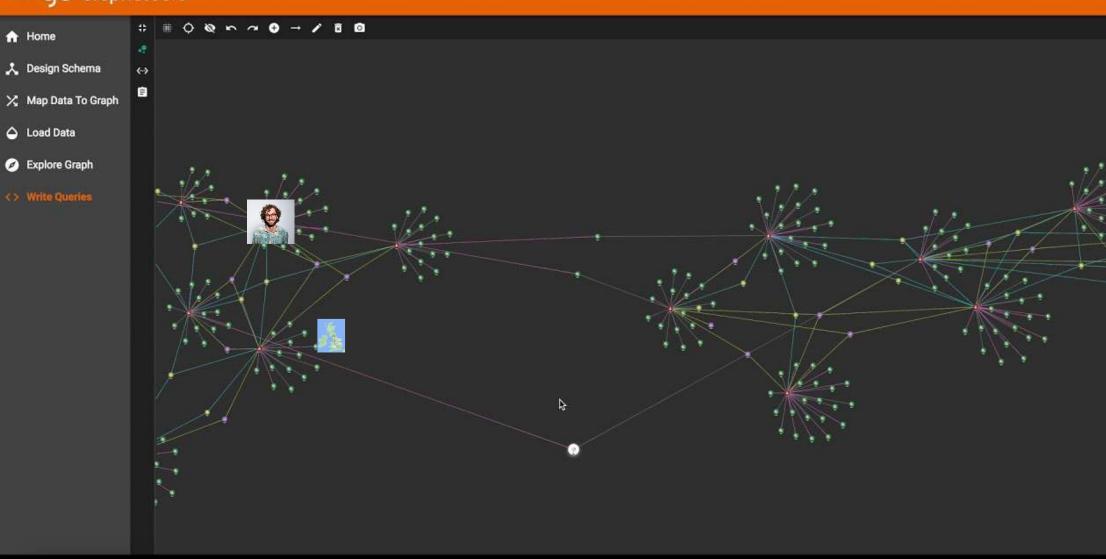




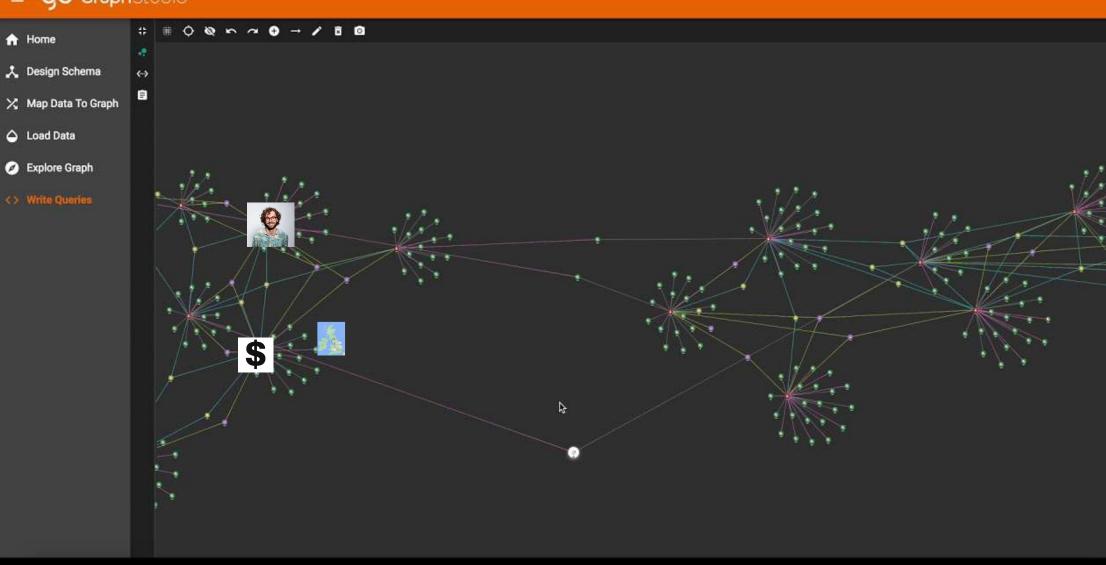




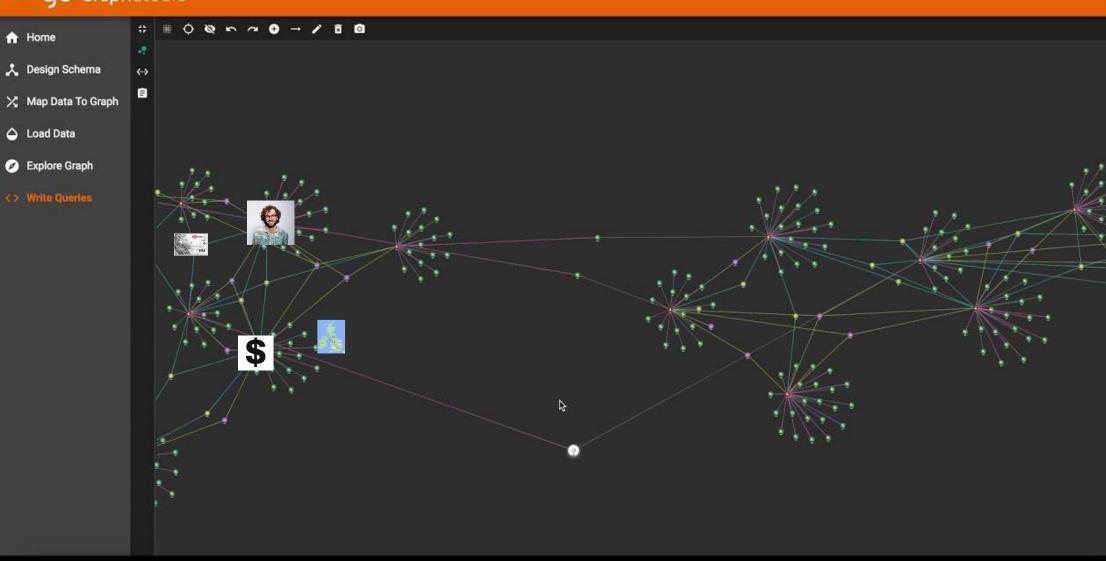


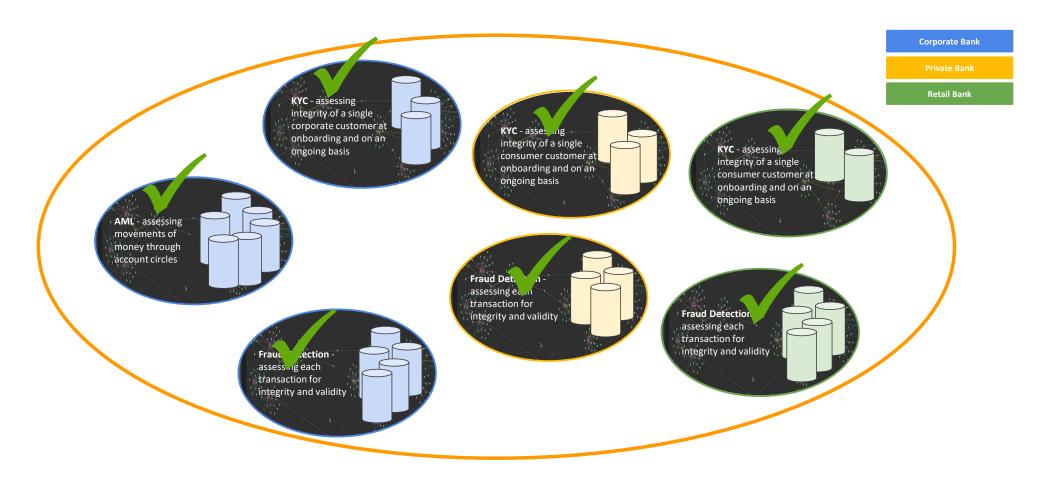
















Sam Wood's Usual Card Activity

London

Monthly Spend in line with population average Mid-range Supermarket, Tech, Men's Clothes Stores Device IDs: #111, #888



Echo Transaction

London

Spend in line with average day to day

Online Tech Store

Device ID: #111



Trousers Transaction

Manchester

Spend in line with average day to day

Online Men's Clothes Store

Device ID: #888



Necklace Transaction

Manchester

Very high end spend

Online Women's Jewellery Store

Device ID: #333 ←



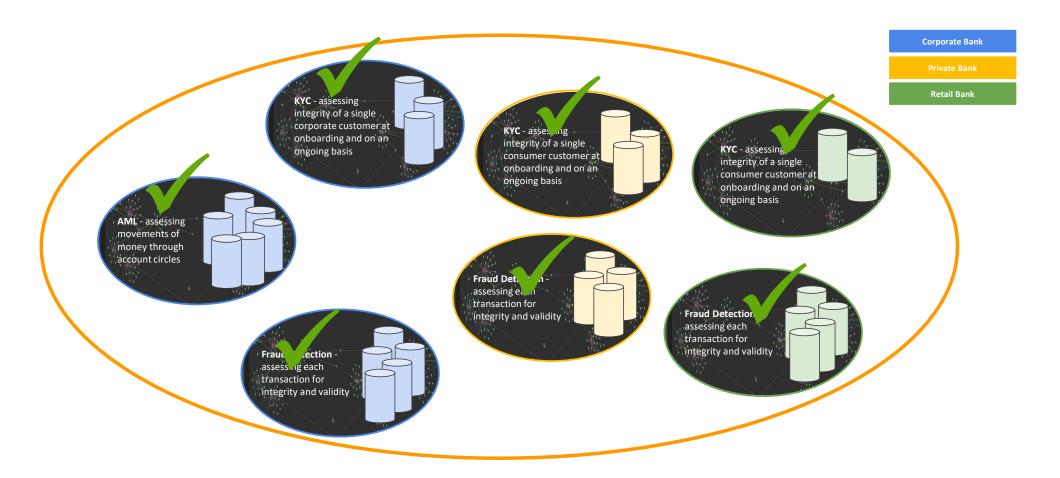
Manchester

Spend in line with average day to day

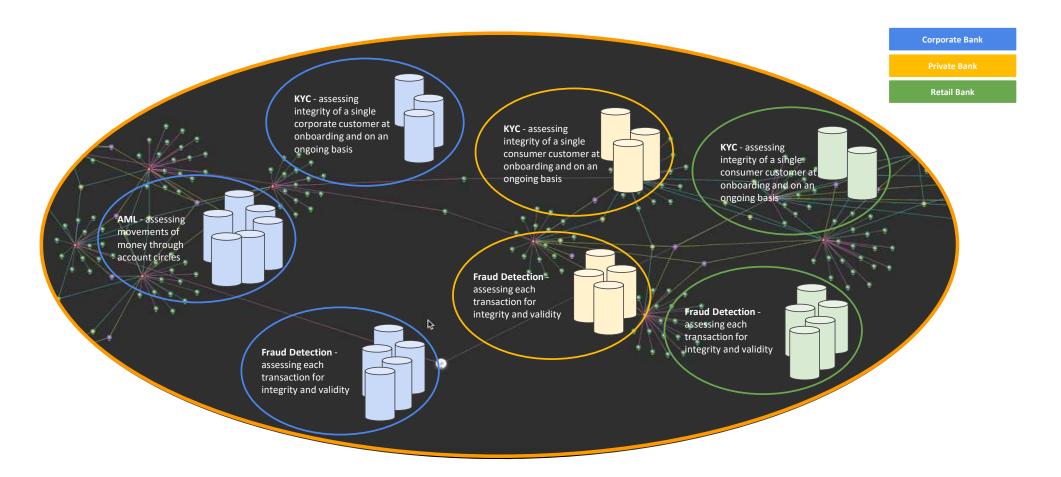
Mid Range Supermarket

Device ID: #333

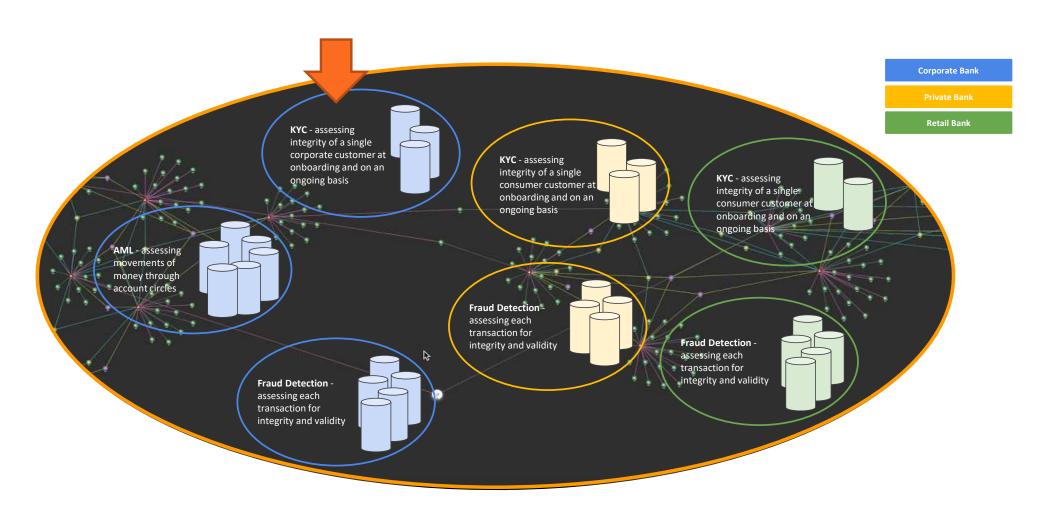




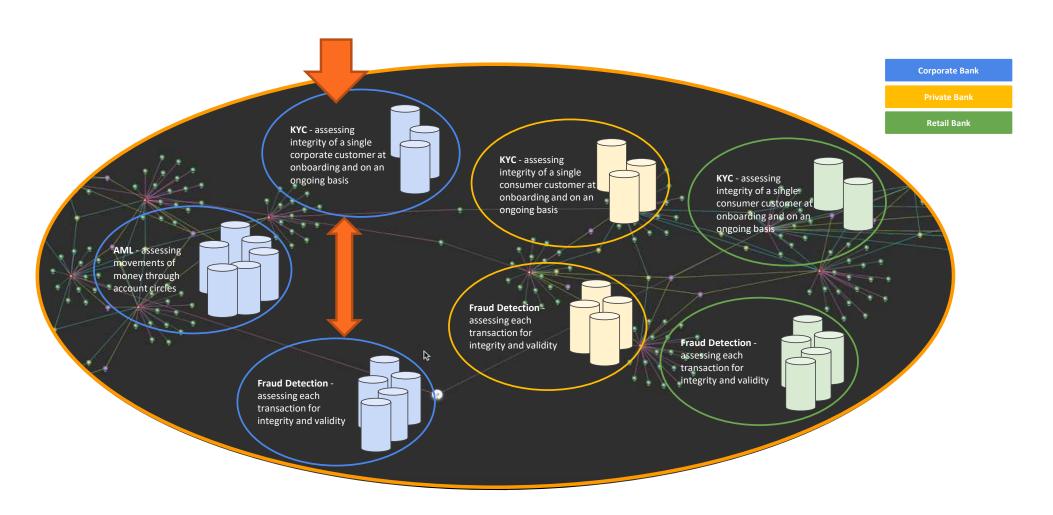




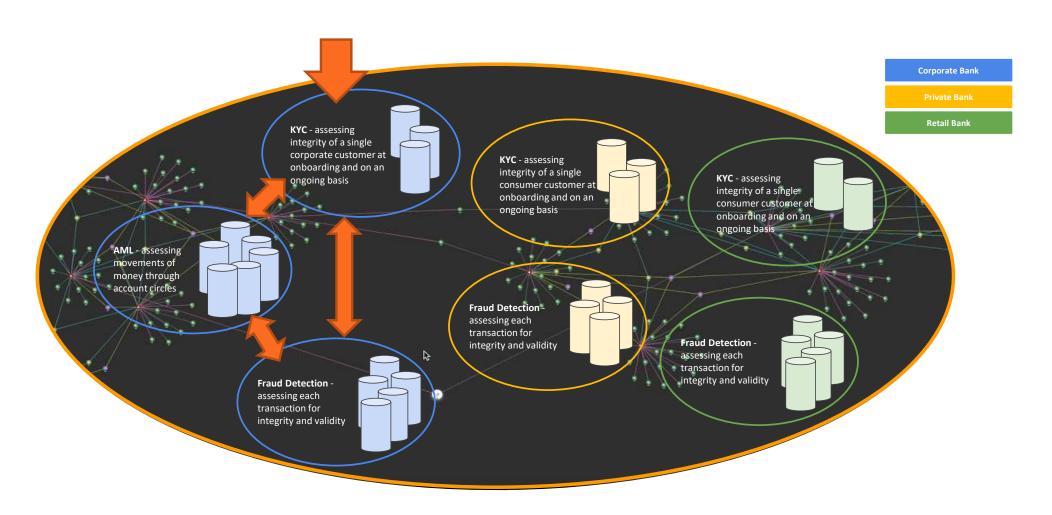




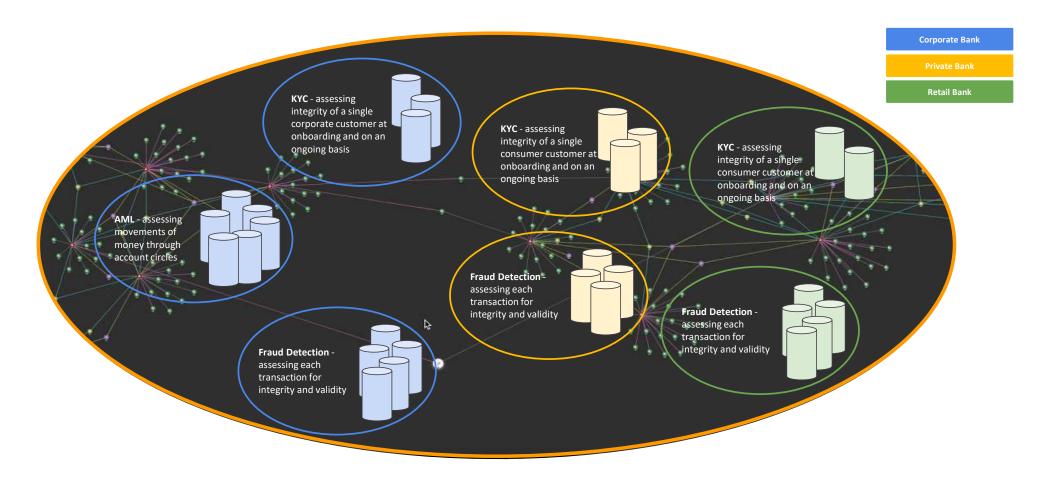








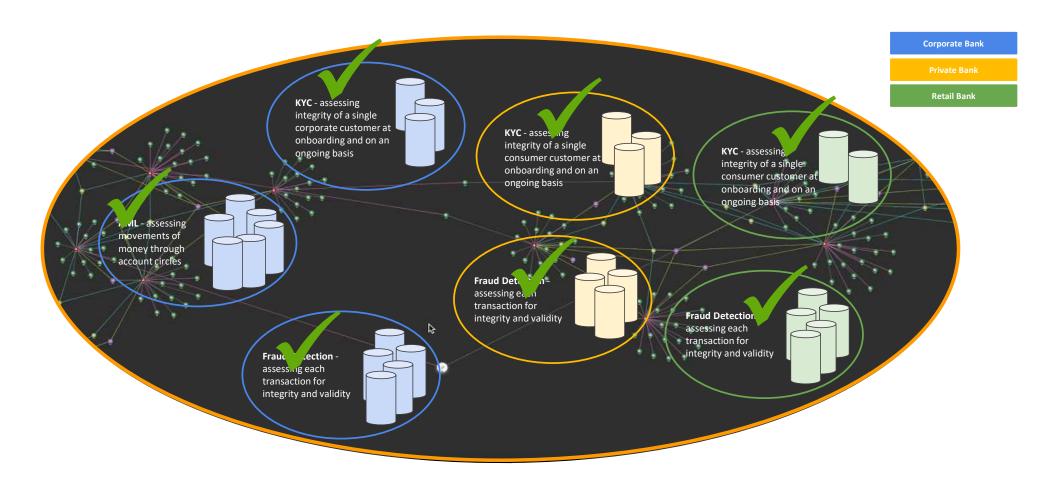






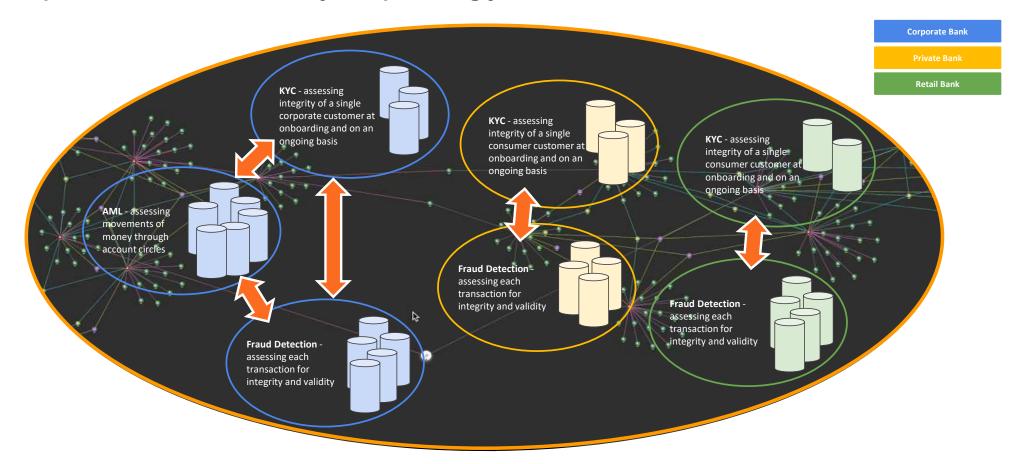
| GRAPHAISUMMIT.COM | #GRAPHAISUMMIT

1. Graph finds more crime, more accurately, using the same data





- 1. Graph finds more crime, more accurately, using the same data
- 2. Graph finds more crime still, by compounding your data







Geography: London

Typical Monthly Spend: in line with population average Typical Merchants: Mid-range Supermarket, Tech, Men's

Clothes Stores

Regular Device IDs: #111, #888



Echo Transaction

IP Address: London

Transaction amount: in line with average day to day

Merchant: Online Tech Store

Device ID: #111



Necklace Transaction

IP Address: Manchester

Transaction amount: Very high end daily spend

Merchant: Online Women's Jewellery Store

Device ID: #333





Geography: London

Typical Monthly Spend: in line with population average Typical Merchants: Mid-range Supermarket, Tech, Men's

Clothes Stores

Regular Device IDs: #111, #888



Echo Transaction

IP Address: London

Transaction amount: in line with average day to day

Merchant: Online Tech Store

Device ID: #111



Necklace Transaction

IP Address: Manchester

Transaction amount: Very high end daily spend

Merchant: Online Women's Jewellery Store

Device ID: #333











Geography: London

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Regular Device IDs: #111, #888



Echo Transaction

IP Address: London

Transaction amount: in line with average day to day

Merchant: Online Tech Store

Device ID: #111



Necklace Transaction

IP Address: Manchester

Transaction amount: Very high end daily spend ←

Merchant: Online Women's Jewellery Store

Device ID: #333





6. Outside by Vortical of December 2 (Court of Court o

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... days deem such that days the "power agrees by you be changed of the south of the

Millifes. Tonart is responsible for payment of all utility and other services for the Premises.
 Research Depends. Upon signify the Agreement, Finant will goe a security depond in the a security of the control of the premises of the address of the security of the premises of all address of the security depond may not be used or desided.

Performance of the adolpsing on under the Agreement. The security depond may not be used or desided by Teams and the last month's most of the Team. Teams will be entired to a fall of most of the security.

sse Agraement (Nev. 133CSSE)







Geography: London

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Echo Transaction

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Necklace Transaction

IP Address: Manchester

Transaction amount: Very high end daily spend -

Merchant: Online Women's Jewellery Store

Device ID: #333





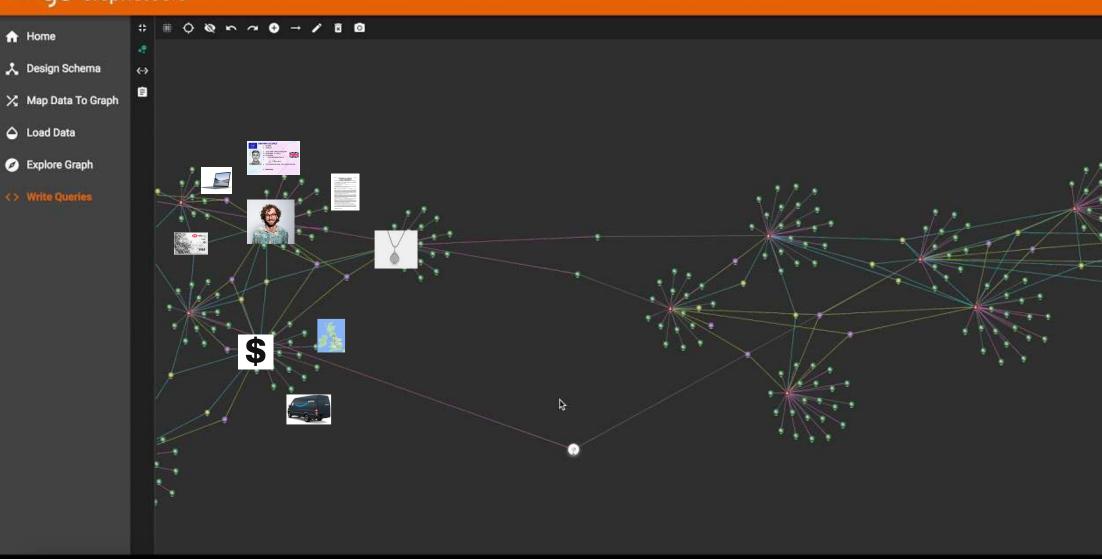
Resembly Depends. Using allowing the Apparency. These of the pin a security deposit in the amount.
 Standards. The security deposit allow extraored the security of the amount of the amount of the security deposit and the retained by Landards as except for Transformation of all existingations under the Apparency. The security deposit may not be used or deduction by Transif as the last morniful rent of the Trans. Tenent will be credited to a full refund of the security.

ese Agreement (Nev. 135CSEE)

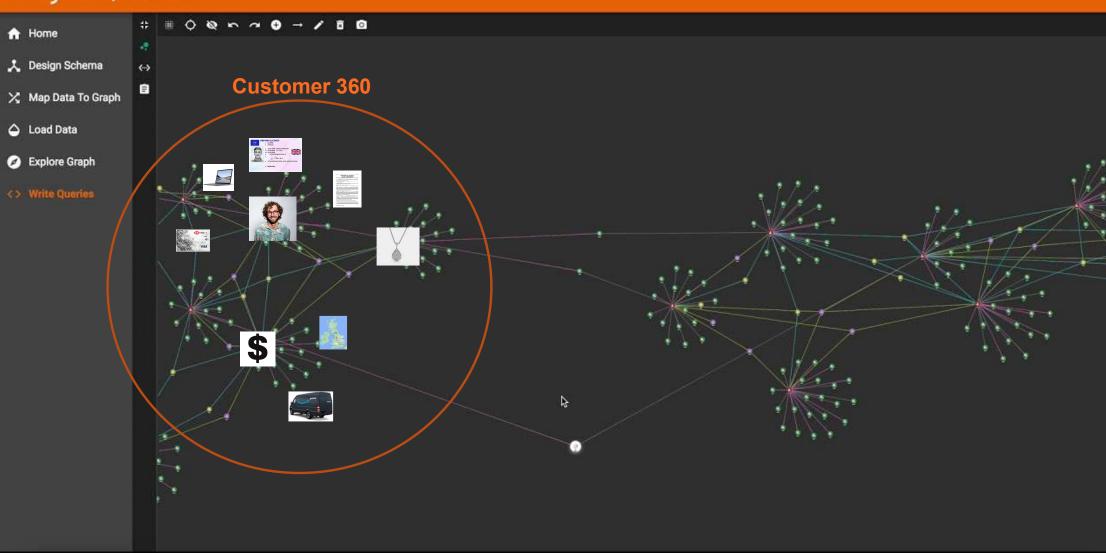




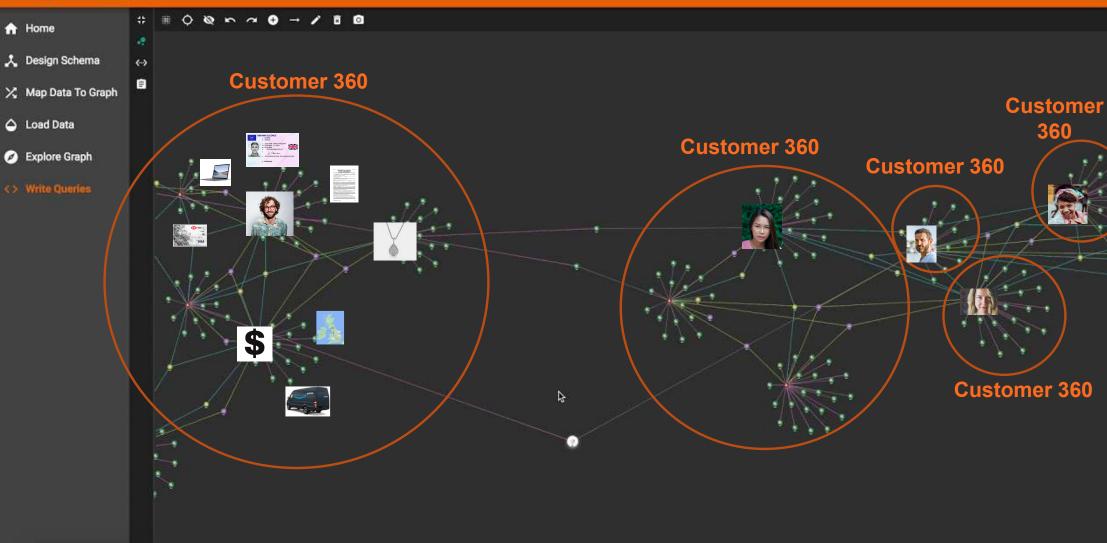


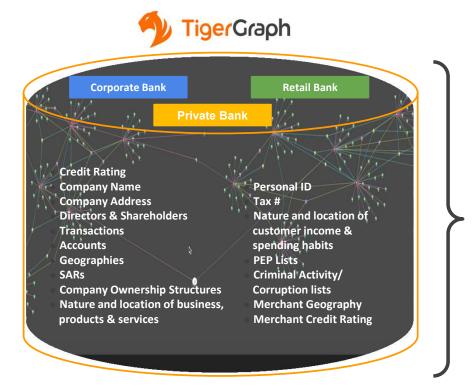












Example Customer 360 Use Cases

Upsell/ Cross-Sell

Customer Experience

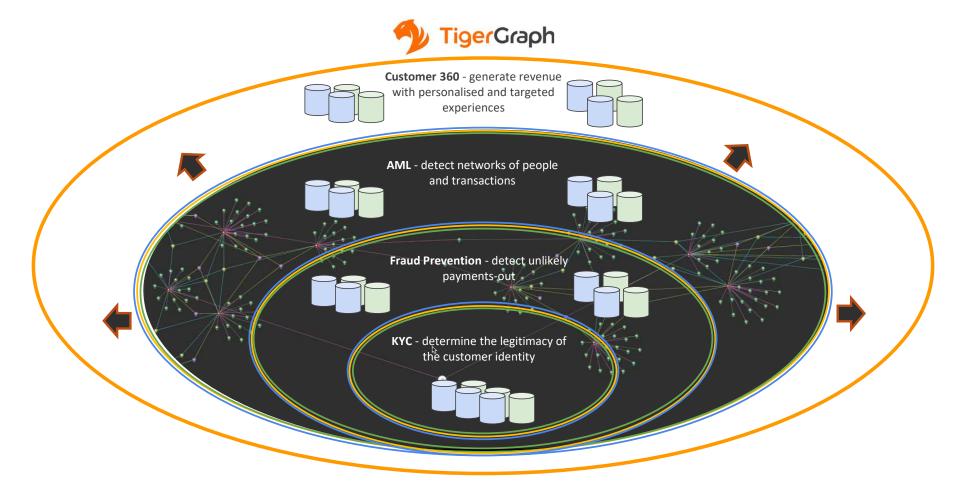
Customer Segmentation

Content Personalisation

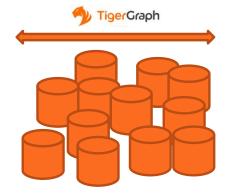
Support Personalisation

Adoption Personalisation





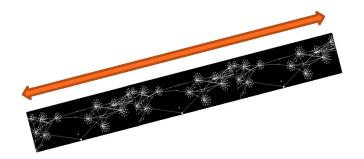








LENGTH



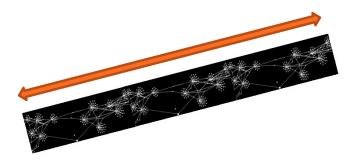


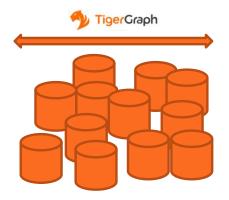
COMPLEXITY

If this... then...
But if this... then...
But exclude...
And include...
And output this...
But if this....
Then output this...



LENGTH

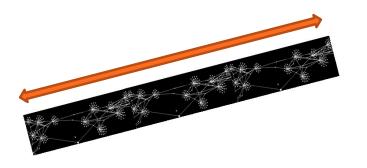




COMPLEXITY

If this... then...
But if this... then...
But exclude...
And include...
And output this...
But if this....
Then output this...

LENGTH



NEW DATA TYPES















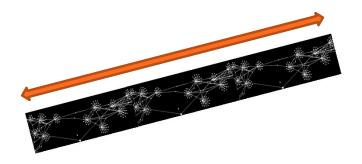
VOLUME



COMPLEXITY

If this... then...
But if this... then...
But exclude...
And include...
And output this...
But if this....
Then output this...

LENGTH





NEW DATA TYPES







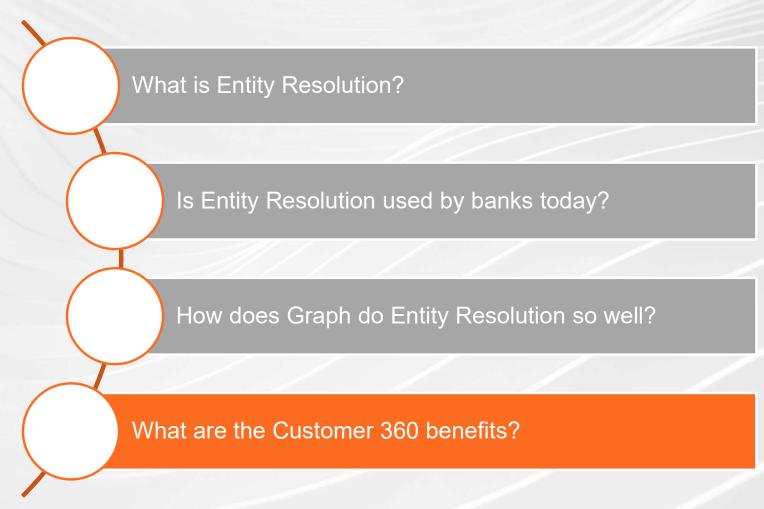




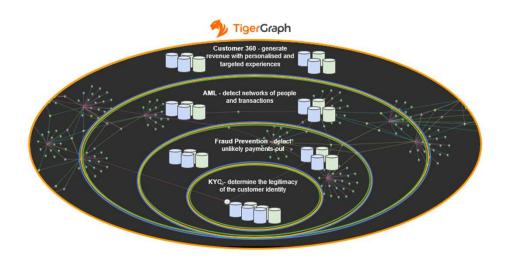








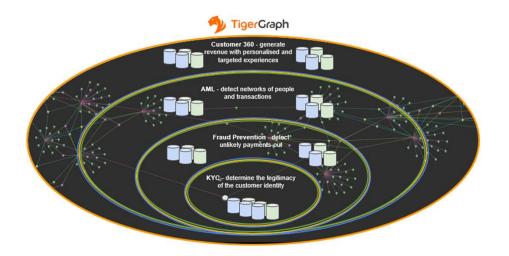






(Consumer-to-HNW, Cons/HNW-to-SMB)

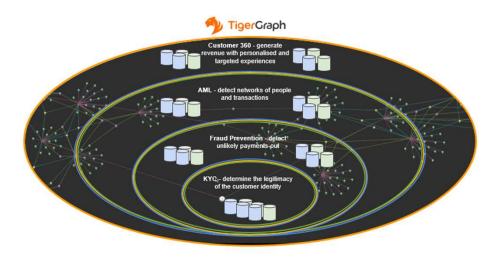
- Capitalise on captive market
 - increase revenue
- Target bundles / develop new propositions





(Consumer-to-HNW, Cons/HNW-to-SMB)

- Capitalise on captive market
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- Target bundles / develop new propositions



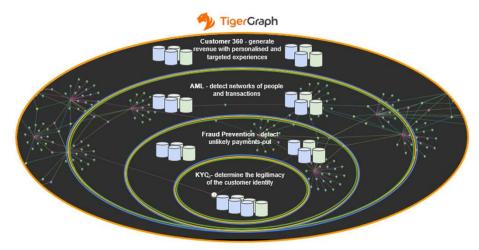
Omnichannel Retail Banking

- Life stage upsell/cross-sell
- Compete with Fintechs on experience
- Marketing ROI/conversion uplift



(Consumer-to-HNW, Cons/HNW-to-SMB)

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Omnichannel Retail Banking

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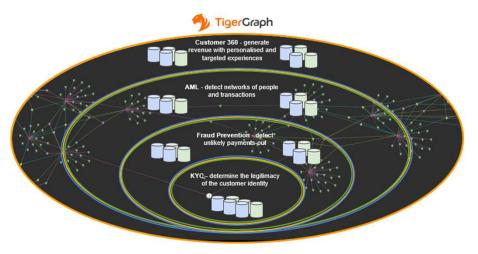
Division Portfolio Banking

- Upsell/Cross-sell across Portfolio
- Portfolio credit/risk scoring
- Profitability gains (targeted pricing)



(Consumer-to-HNW, Cons/HNW-to-SMB)

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Omnichannel Retail Banking

- Life stage upsell/cross-sell
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B2B2C Business Banking

- Usage-based pricing enabling new propositions and higher margins
- Better customer service

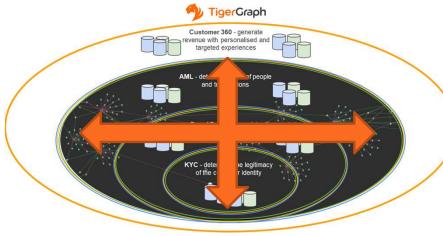
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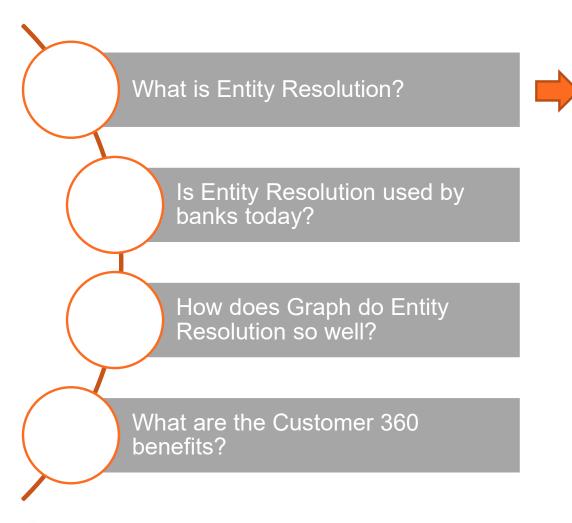
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B2B2C Business Banking

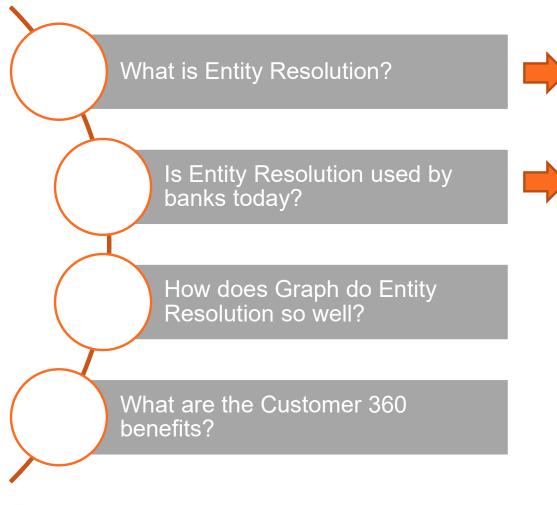
- Usage-based pricing enabling new propositions and higher margins
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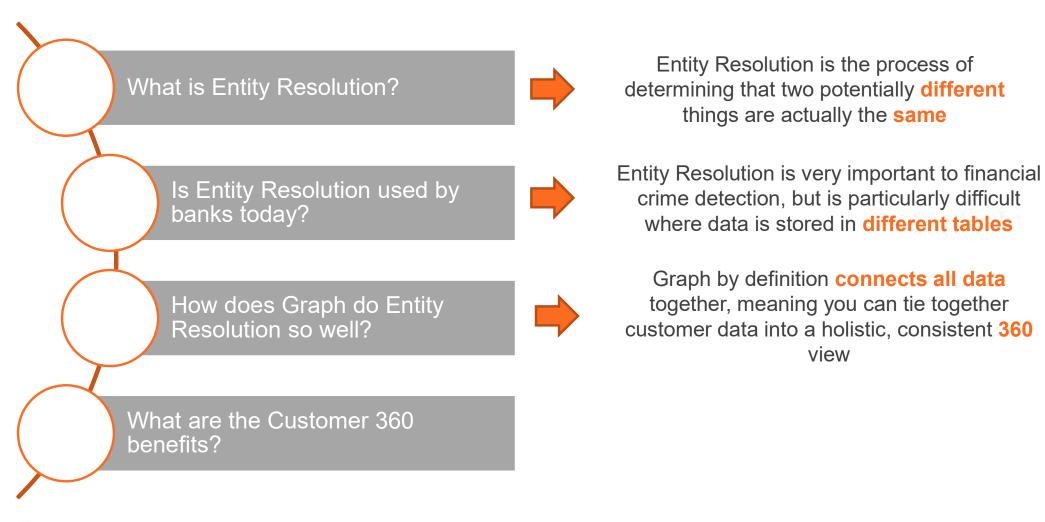
Entity Resolution is the process of determining that two potentially different things are actually the same

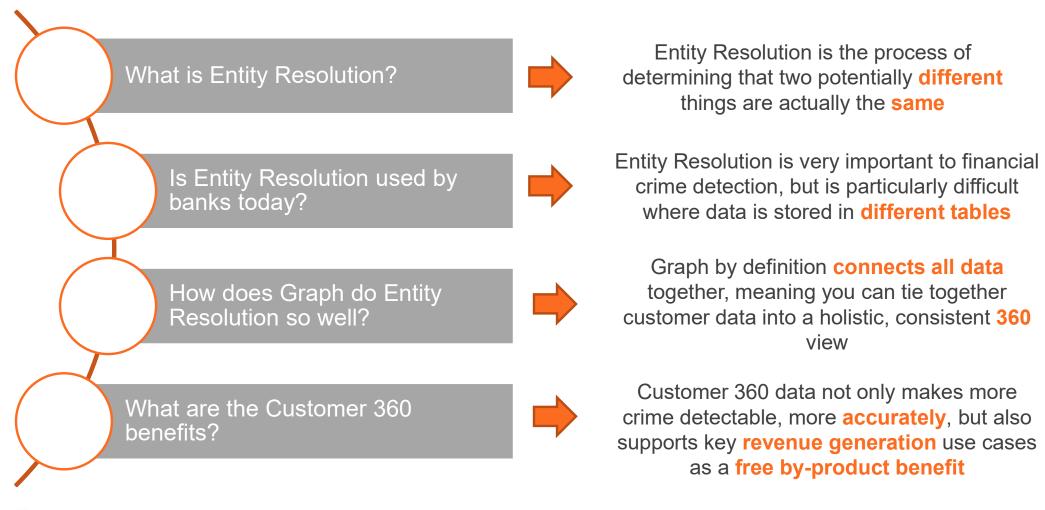




Entity Resolution is the process of determining that two potentially different things are actually the same

Entity Resolution is very important to financial crime detection, but is particularly difficult where data is stored in different tables





Thank you!

www.linkedin.com/in/charliebeveridge/

