

Graph Adoption in Insurance

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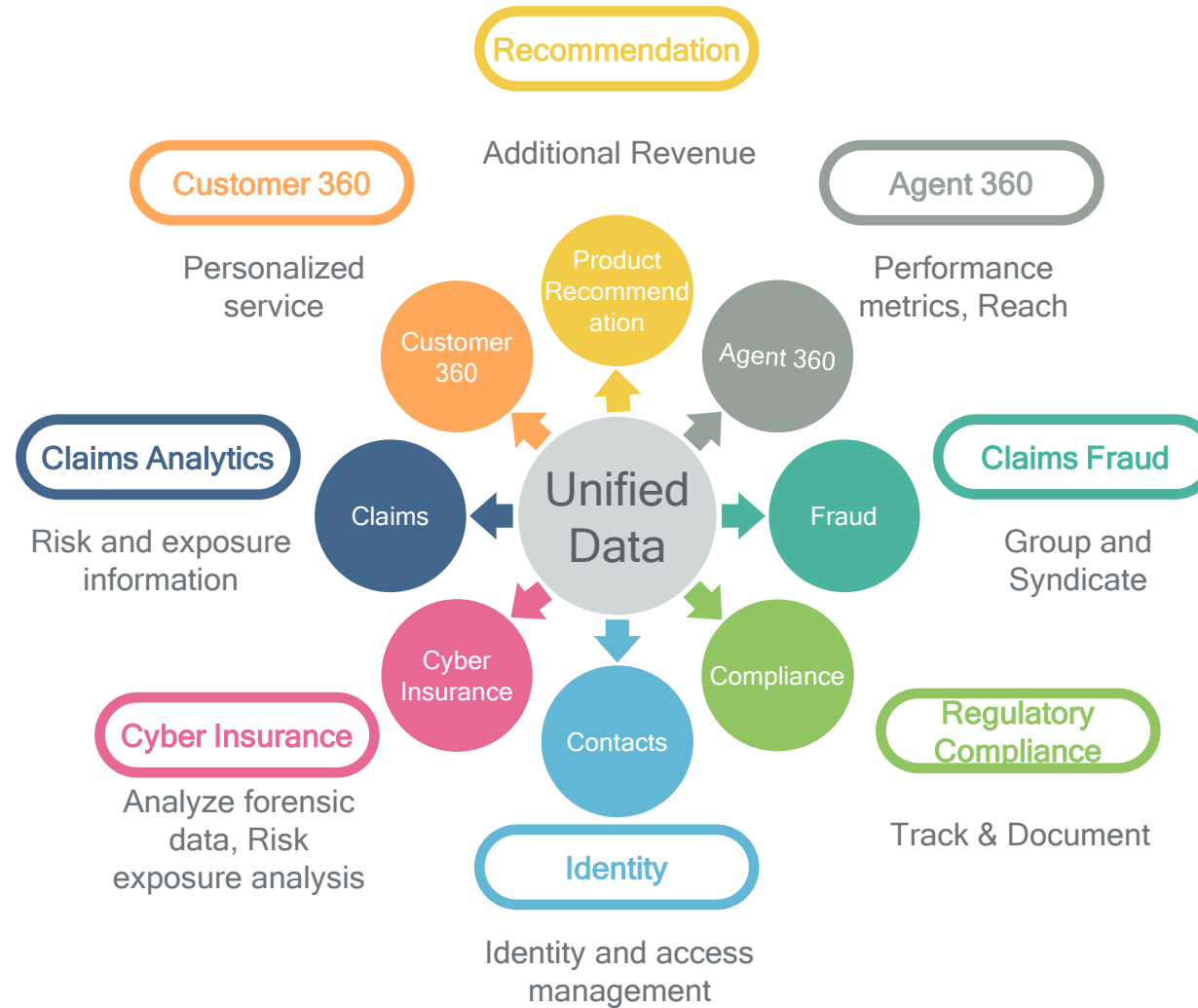
Agenda

- Introduction
- Analytics in P&C Insurance and Challenges
- Graph & AI in Insurance
- How Graph and AI helps Insurance: Fraud Use case
- Demo
- Q & A

Analytics in P&C Insurance and Challenges

- P&C Insurance Analytics
- Multiple LOBs and few dozens of external data integrations
- Analytics in Silos
- Data challenges
- Integration
- Unified View

Applications portfolio



And so on.....

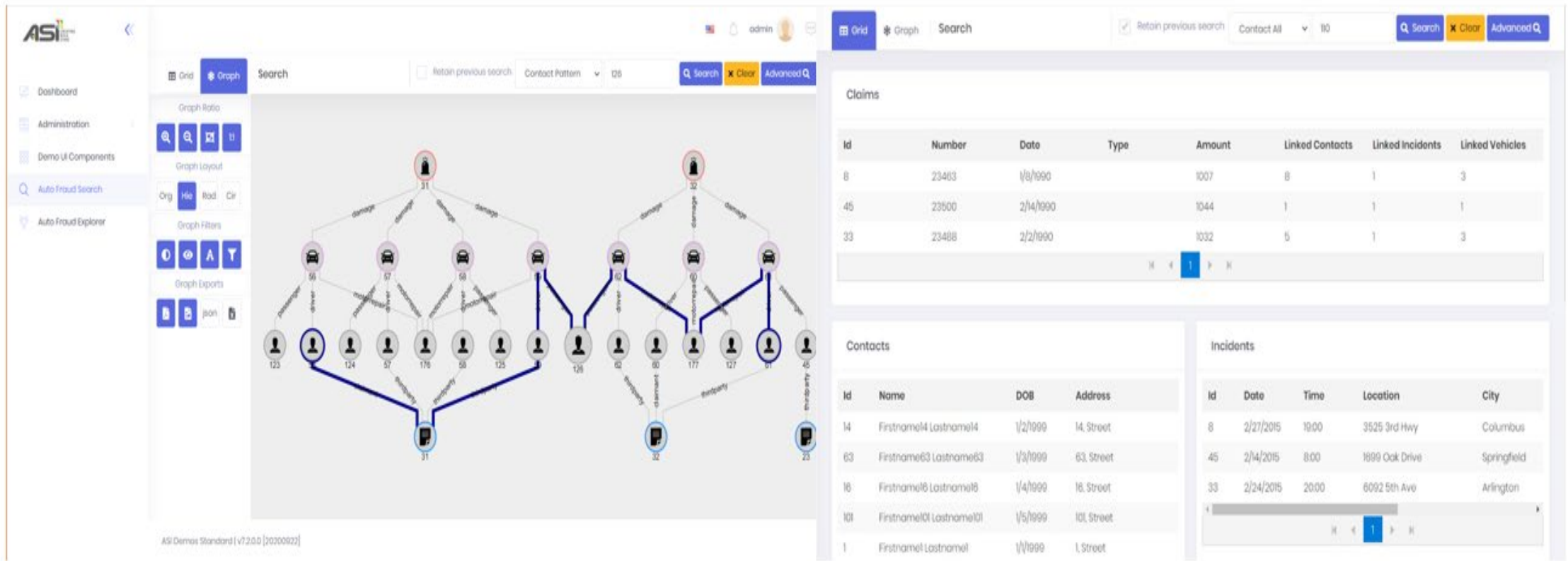
Graph and AI in Insurance

- Graph enables disruptive thinking and leads to new insights
- Graph as data structure and Graph Learning
- More insights through Relationships and Deep link analysis
- Power to unify disparate data from various sources
- Power of Multi graph in analytics
- Explainable AI using Graph technologies (Demo)
- Inherit power of Graph

Fraud analytics as use case

- Fraud detection
 - Enhance fraud detection
 - Identify Group fraud and fraud syndicates
- How Explainable AI helps Special Investigations units
- Demo

Demonstrate Graph visual Vs Relational data



The screenshot displays the ASI software interface, comparing graph and relational data visualizations. The interface includes a sidebar with navigation options like Dashboard, Administration, and Demo UI Components. The main area is split into a graph view on the left and a list view on the right.

Graph View (Left): A network graph showing relationships between entities. Nodes represent individuals (ID 123-128) and vehicles (ID 56-60). Edges represent relationships like 'damage', 'driver', 'owner', and 'parent'. A search filter 'Contact Pattern' is set to '08'.

Claims Table (Top Right):

Id	Number	Date	Type	Amount	Linked Contacts	Linked Incidents	Linked Vehicles
8	23483	1/8/1990		1007	8	1	3
45	23500	2/14/1990		1044	1	1	1
33	23488	2/2/1990		1032	5	1	3

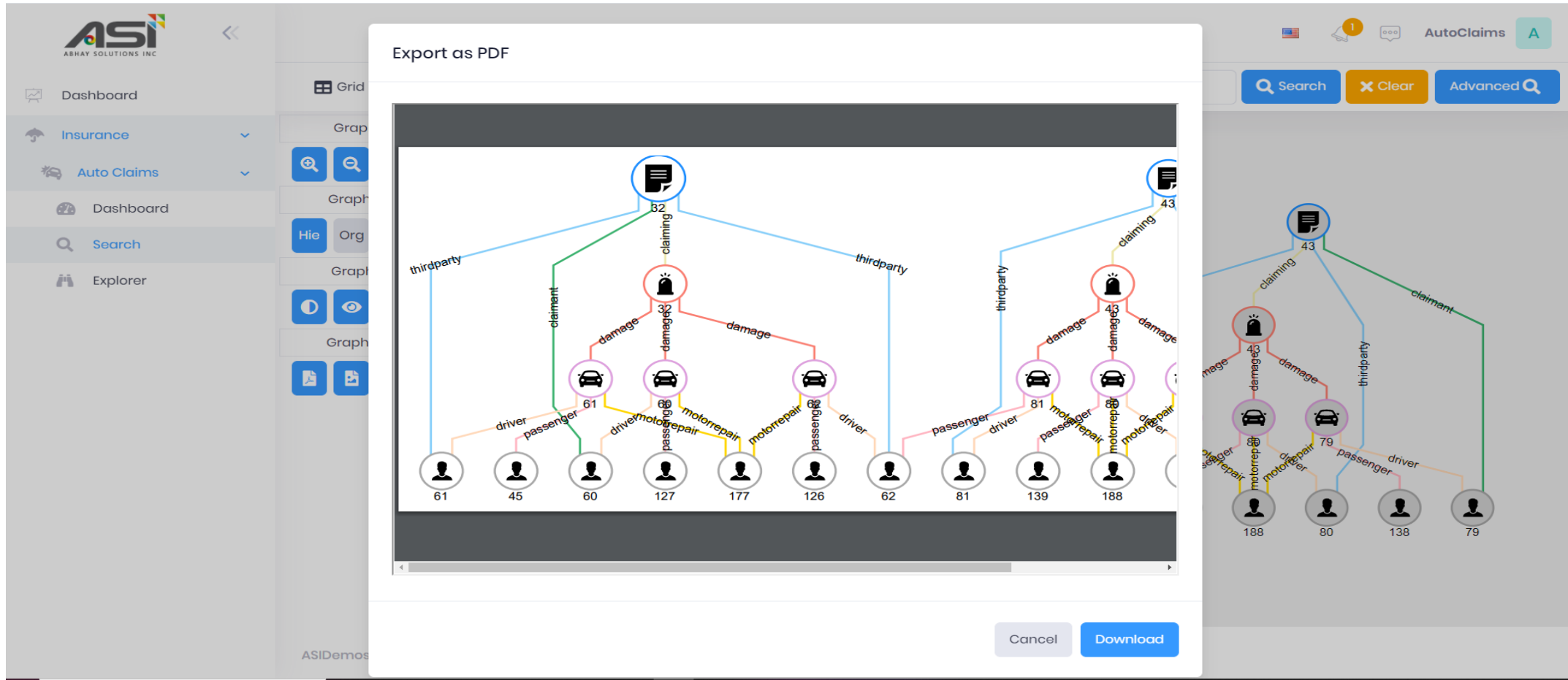
Contacts Table (Bottom Right):

Id	Name	DOB	Address
14	Firstname14 Lastname14	1/2/1999	14. Street
63	Firstname63 Lastname63	1/3/1999	63. Street
16	Firstname16 Lastname16	1/4/1999	16. Street
101	Firstname101 Lastname101	1/5/1999	101. Street
1	Firstname1 Lastname1	1/1/1999	1. Street

Incidents Table (Bottom Right):

Id	Date	Time	Location	City
8	2/27/2015	19:00	3525 3rd Hwy	Columbus
45	2/14/2015	8:00	1699 Oak Drive	Springfield
33	2/24/2015	20:00	6092 5th Ave	Arlington

Document fraud: PDF Export to Document Evidence



The screenshot displays the ASI software interface. On the left is a navigation sidebar with options like 'Dashboard', 'Insurance', 'Auto Claims', and 'Explorer'. The main area shows a network diagram with nodes representing individuals (IDs: 61, 45, 60, 127, 177, 126, 62, 81, 139, 188) and relationships like 'driver', 'passenger', 'motorrepair', 'damage', 'claiming', and 'thirdparty'. A 'Export as PDF' dialog box is open in the center, showing a preview of the network diagram and 'Cancel' and 'Download' buttons. On the right, another view of the network diagram is visible, showing a different set of nodes (IDs: 188, 80, 138, 79) and relationships.

PDF Export of this view for presentations, documentation, demonstration or as part of evidence

Q&A

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