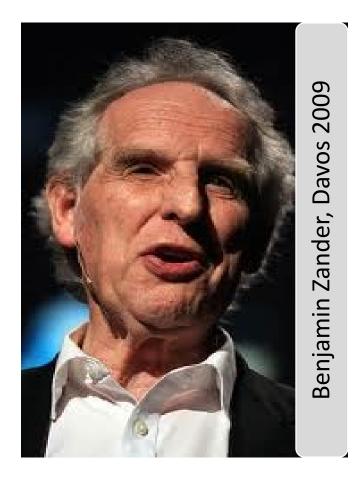
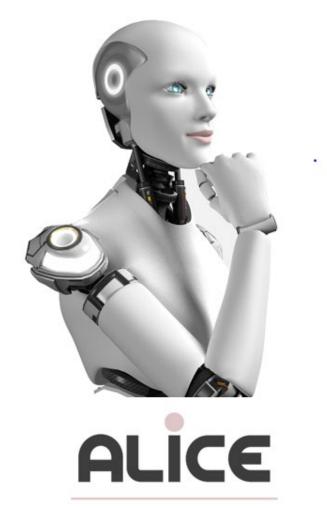


The Art of the Possible



It is a choice to see the possibility.

So who the hell is ALICE?



always on audit always on compliance always on monitoring always on peace of mind

ALICE

noun

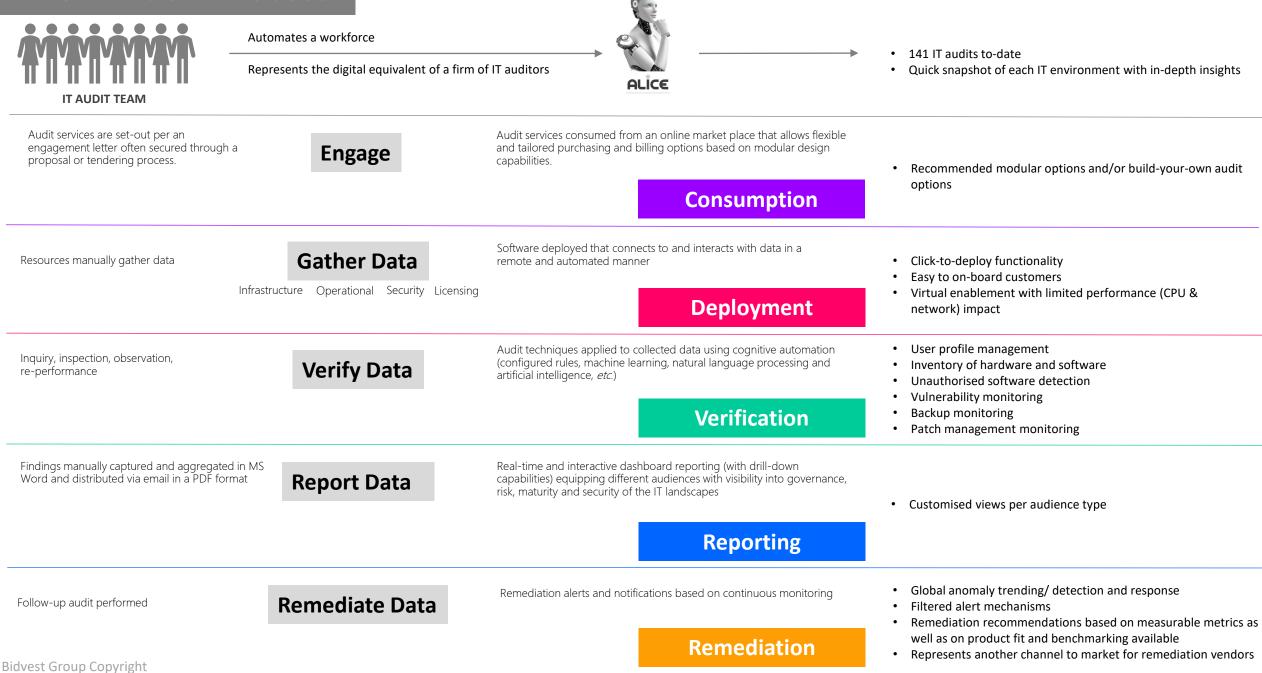
Also known as an audit robot (abbrev: aubot)

- 1. She is a specie of the artificial intelligence kind
- 2. She provides <u>audit-as-a-service</u> in the IT space
- 3. She has been architected by infrastructure and security engineers, built by data scientists, tested by auditors and consumed by every(any)one.
- 4. She is unequivocally independent
- 5. She facilitates the automated collection, storage, analysis and reporting of IT environment data against various best practice standards
- 6. She is secure, scalable and has global reach
- 7. She is system agnostic
- 8. She equips those charged with governance with visibility into the risk, governance and security of the IT environment
- 9. She enables management to mitigate and manage the IT risks in a continuous, online and real-time manner
- 10. She has democratized IT audit services
- 11. She enjoys online shopping and plays the cello
- 12. She currently fulfills the IT audit robot role for the Bidvest Group Ltd. Her curriculum vitae is available online at <u>www.bidvestalice.com</u>

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130,000 employees	Multiple entities	No common infrastructure	No baseline standards	Strategic partnerships limitations (costs, resources, hardware)	Remote geographies
13 (29 sub) industries	80+ domains	Complex aggregation & consolidation structures	Multiple audiences	5 IT Auditors (versus 60 Financial Auditors)	Limited budget, scalability & capacity of the IT assurance function
900 sites (approx.)	260+ key systems	Decentralised & autonomous business model	IT landscapes varying in size, complexity, posture & maturity	More technical audit scopes, with a larger security focus	Point-in-time auditing in a dynamic & evolving environment

The IT Audit Process



Deployment

Click-to-deploy functionality

Easy to onboard customers

Connectors set-up using a standardised connector framework and workload scheduler

Connectors enabled virtually with limited performance (network and CPU) impact

Simultaneous deployments of connectors accommodated

Variety of deployment mechanisms available (existing and self-developed)

ALICE DEMO ALICE				Search			 Alerts 24
#	OVERVIEW						
# Home	Overview						
Audit	Connectors						
Managed Services							Add Connector
Platform Insights							
2 Users	Connector	ID.	Туре	Schedule Start	Schedule End	Status	
GO Assets	DEMO Active Directory	66	OPEXE	August 18, 2017 11:35 AM	December 31, 2017 1:35 PM	Active	Edit
Security	Network scan	67	OPEXE	August 18, 2017 12:37 PM	December 31, 2017 1:37 PM	Active	Edit
Canary	Canary	68	CLOUD	August 18, 2017 1:39 PM	December 31, 2017 1:39 PM	Active	Edit
	Alice Website	69	CLOUD	August 18, 2017 12:41 PM	December 31, 2017 1:41 PM	Active	Edit
E Governance & Compliance	SQL	72	OPEXE	August 21, 2017 2:06 PM	January 31, 2018 2:06 PM	Active	Edit
Bidvest Cyber Security	Type to Search						
Baseline Information Technoogy	5 Rows						
 Microsoft Software Asset Management ("SAM") Cyber Security Engagement DEMO Baseline IT 				• + <mark>1</mark> 23•			
🖹 Admin							
血 Organisation							
Alice Users							
Alerts							Simplicity revealed
							Complexity concorled
							Complexity concealed
							- 7

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Verification

Continuous and near real-time auditing techniques (sampling techniques available, if required)

Simultaneous execution of audit procedures

Moderates consistent audit quality aligned to best practice standards or company policy

Focused security modules with vulnerability scanning as a standard audit feature

Allows for multiple submission types of evidence (*e.g.*, connector information, manual file uploads, unstructured data sources, *etc.*)

Possesses cognitive automation, including ML and AI abilities

Allows for review/ override and provides in-built percentage confidence levels of data audited by ALICE

DEMO Baseline IT DEMO Password Configuration				
Selino Password Configuration				
Printscreen of password configuration settings Provide the following information if available (as indicates csv format if columns as min_alpha, min_other, max_repeat and min_diff - Password mark individual items that apply with 1 for yes and 0 for no				
Microsoft Active Directory Unstructured data,	e.g., a screen print			
Filename	Provided By	Date Provided	Date Uploaded	
Password Settings_K8_Image.jpg	Gustav Silvo	2017-08-27 7:31pm	2017+08+27	Download Delete
8b61e624-8b4d-11e7-bf76-0a580a3c0080.csv		2017-08-27 7:31pm	2017-08-27	Download Delete
Password Settings_AD CSV.csv Add Evidence Manual file upload,	Gustav Silvo e.g., CSV file	2017-08-27 7x41pm	2017-08-27	Download Delete
Bespoke Example System				
Microsoft Great Plains				
Filename	Provided By	Date Provided	Date Uploaded	
Password Settings_Great Plains CSV.csv	Gustav Silvo	2017-08-27 7:43pm	2017-08-27	Download Delete
C Add Evidence V				

Reporting

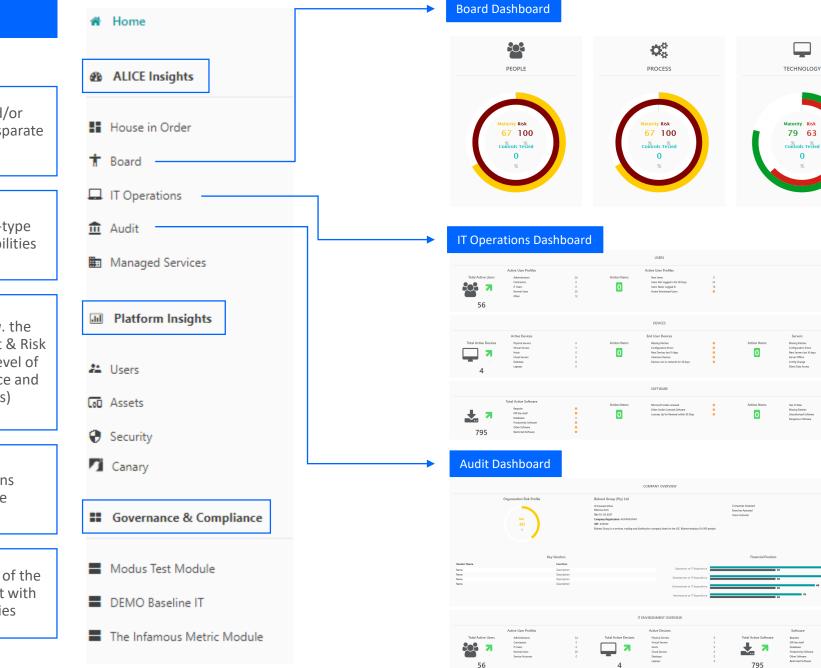
Manages the aggregation and/or consolidation of complex and disparate data structures

Provides high-level dashboard-type reporting with drill-down capabilities

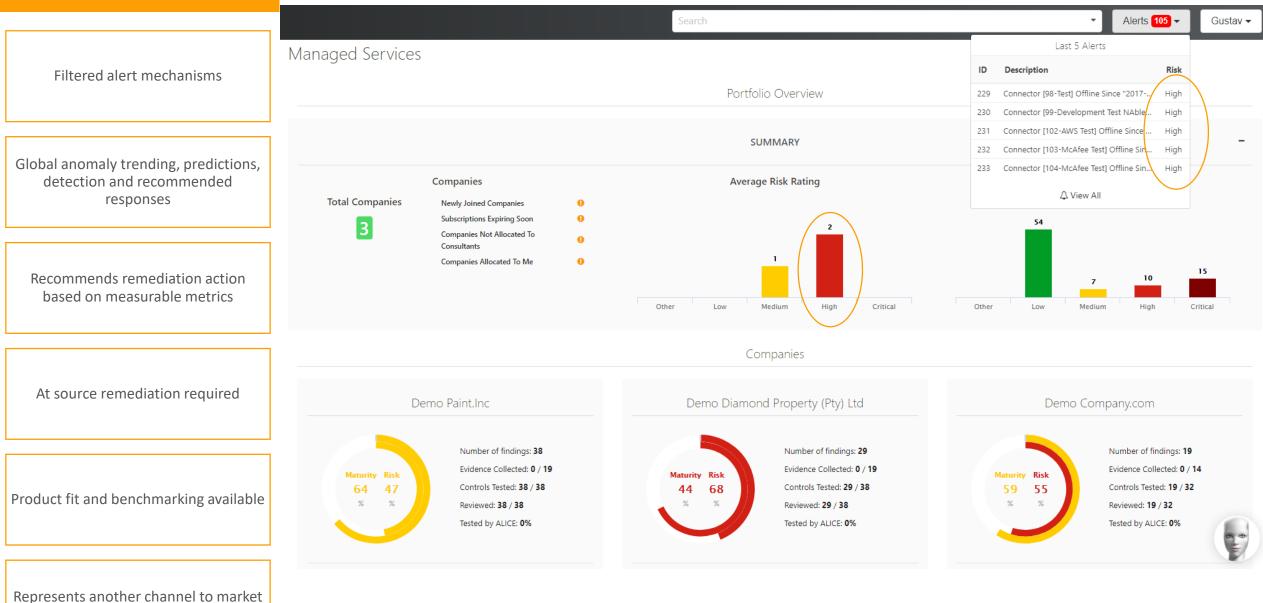
Equips different audiences (*e.g.* the Board, IT Operations or the Audit & Risk Committees with the relevant level of visibility into the risk, governance and security of the IT landscapes)

Reports with free-text options roadmapped to be available

Customer centricity (single view of the client across the IT environment with associated risks and maturities



Remediation



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for remediation-related vendors

Roadmap

