



IAPP Canada Symposium 2026

Privacy | AI governance | Cybersecurity law

Conference 4-5 May

Workshops 6 May

Training 6-7 May

TORONTO

#IAPPSymposium26

Data Security: Simplifying Compliance while Enabling Your Business

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AGENDA OUTLINE

- I. **Welcome and Introductions**
- II. **Section 1:** Visibility is Paramount – [Discover, Analyze & Classify Demonstration](#)
- III. **Section 2:** Data Security as a Business Enabler – [Securing PII for Privacy Compliance and Risk Minimization](#)
- IV. **Summary and Q&A**



WELCOME AND INTRODUCTIONS



Roland Kahl
Lead Solutions Consultant, Data Security
OpenText Cybersecurity

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Data Privacy and Security – Industry Challenges

Success depends on an understanding of our data

01

Data and applications sprawl, explosion of data, “databergs”

Global data volume predicted to grow to 175 zetabytes in 2025

80% of data is typically unstructured, cloud services make it easy to replicate datasets

02

Data privacy regulations are a global trend

71% of countries globally have data privacy laws in effect → about 75% of the global population

Mandating ethical use and processing of personal data

Adding complexity to compliance

03

Growing array of data security and privacy risks

YoY increase in aggregated GDPR fines of 50%*

Global average cost per data breach increased to \$4.4M –and \$9.48M in the U.S.**

60% of corporate data now stored in the cloud***



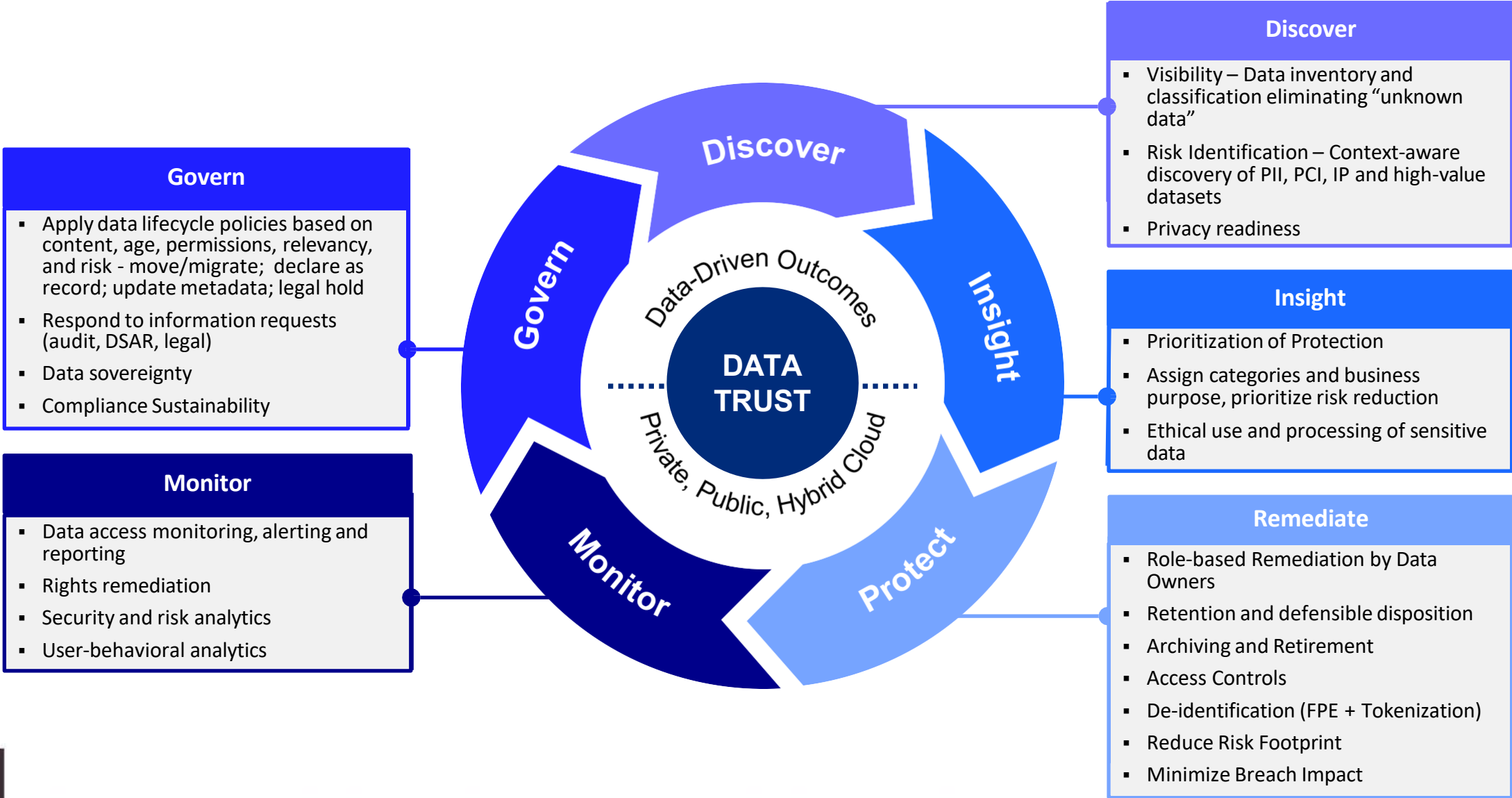
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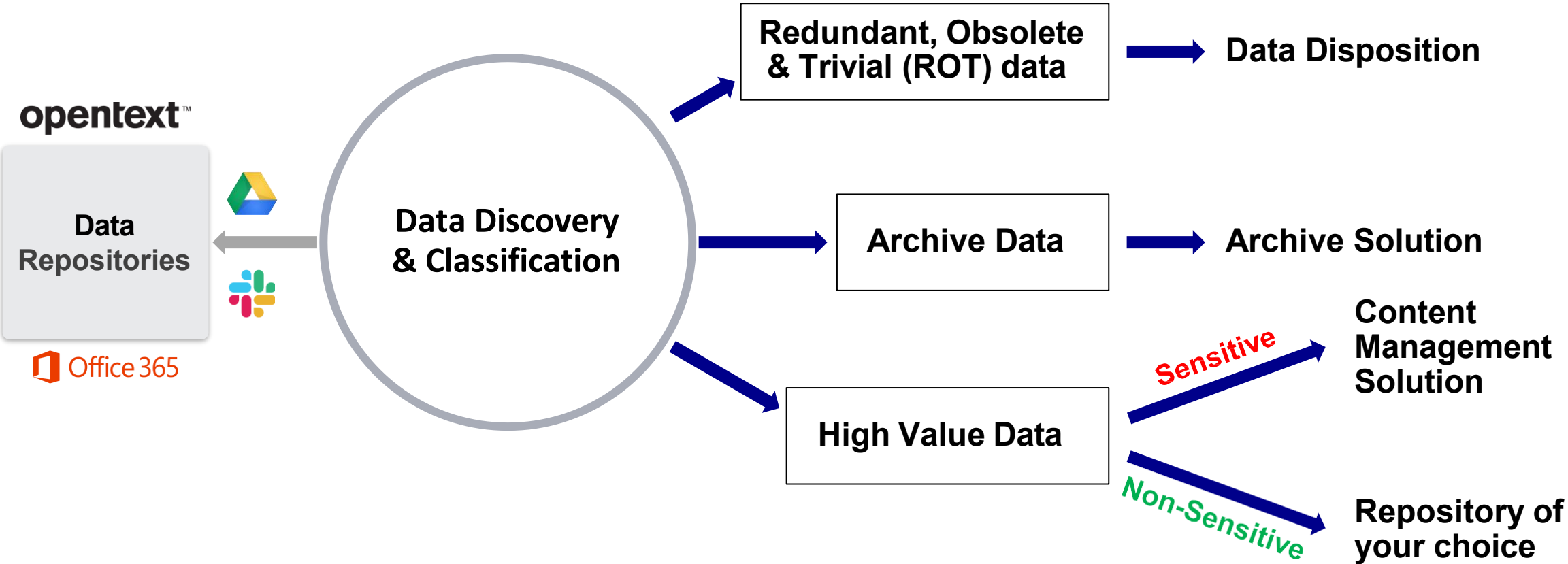
Visibility is Paramount

It begins with Data Discovery & Classification

Establishing Data Trust



Enable and Automate Insight-based Remediations



The background features a gradient of blue colors, transitioning from a dark blue at the bottom to a lighter, almost white blue at the top. The surface is covered in a pattern of wavy, undulating lines that create a sense of depth and movement. In the foreground, there is a grid of small, dark blue rectangular blocks that recede into the distance, creating a perspective effect.

Discover, Analyze & Classify

Demonstration

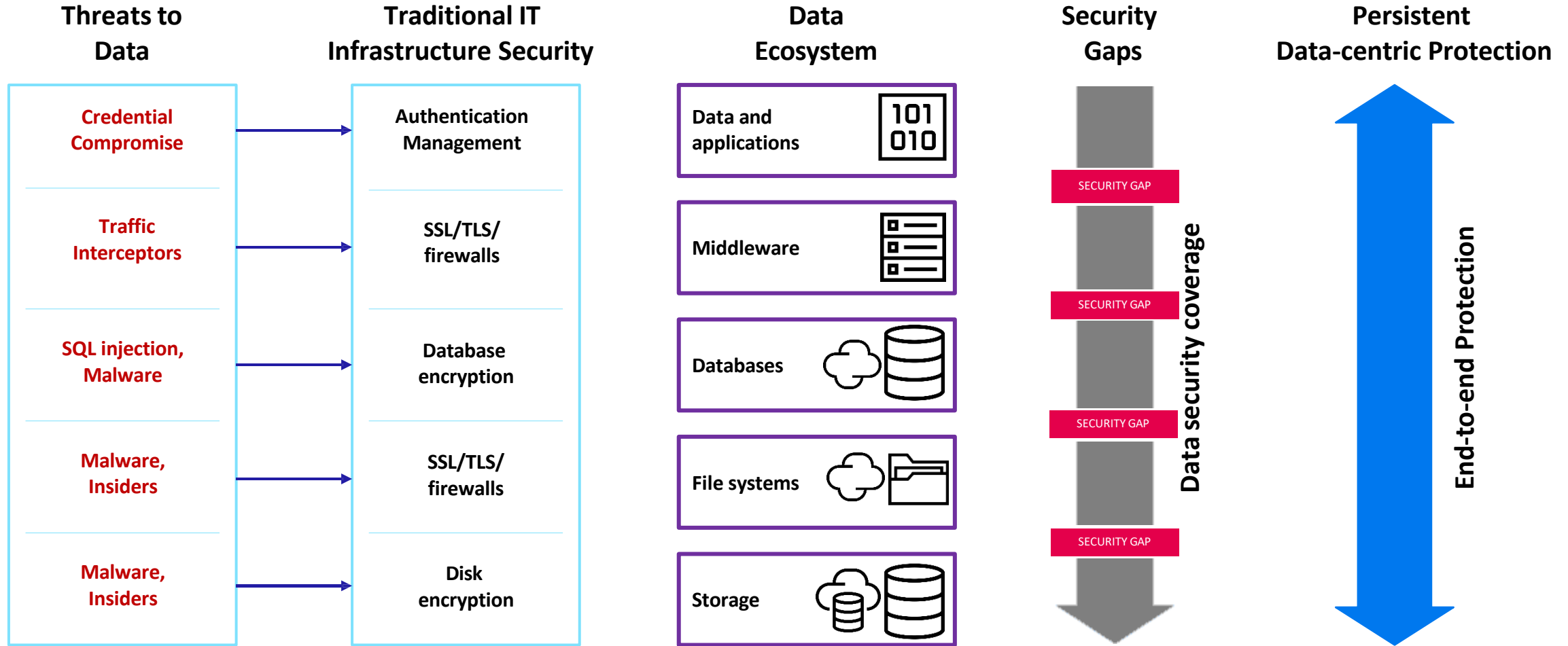
The background features a complex, abstract pattern of overlapping, semi-transparent blue and white geometric shapes, possibly representing data or a digital landscape. The colors transition from a deep blue on the left to a lighter, almost white blue on the right, creating a sense of depth and movement.

Data Security as a Business Enabler

Persistently Protecting PII across the Enterprise

Traditional vs Data Centric Approaches

Persistent Data-Centric Security Minimizes Gaps in Control



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Persistent Field-Level Protection

Name	SIN	Credit Card #	Street Address	Postal Code
James Potter	385-121-199	3712 3456 7890 1001	1279 Farland Avenue	M5J 2L2
Ryan Johnson	857-644-190	5587 0806 2212 0139	111 Grant Street	V6B 0N8
Carrie Young	761-586-733	5348 9261 0695 2829	4513 Cambridge Court	H3B 4C9
Brent Warner	604-416-687	4929 4358 7398 4379	1984 Middleville Road	K2V 1A5
Anna Berman	416-034-226	4556 2525 1285 1830	2893 Hamilton Drive	R3C 5S4



Name	SIN	Credit Card #	Street Address	Postal Code
Kwfdv Cqvzgz	161-821-199	3712 3486 3545 1001	2890 Ykzbpoi Clpppn	M5J 8G4
Veks lounrfo	200-794-190	5587 0856 7634 0139	406 Cmxto Osfalu	V6B 5M5
Pdnme Wntob	095-526-733	5348 9209 2367 2829	1498 Zejojtbbx Pqkag	H3B 1U8
Eskfw Gzhqlv	178-176-687	4929 4333 0934 4379	8261 Saicbmeayqw Yotv	K2V 3F2
Jsfk Tbluhm	525-254-226	4556 2545 6223 1830	8412 Wbbhalhs Ueyzg	R3C 9G6



Why Referential Integrity Matters

Nat. ID	First Name	Last Name	DOB	Year of Birth	Postal Code / Zipcode	Credit Card
871-91-9342	Cxhf	Advzg	2009-08-29	n ₂₀₀₉	98191	4225-2881-6363-0024
091-71-2929	nUitmg	Llxqurkqejq	U 1921-07-19	1921	49551	4000-2015-0268-2039
551-16-2728	Yftdug	Yuyeiqp	2000-09-26	2000	49321	5722-2885-4464-9833
238-98-6254	Kqisy	Tkrhlm	1959-10-16	1959	00068	5833-0211-4746-1292
144-44-2934	Szmpok	Ii	1906-03-17	1906	67001	4888-9220-6387-4295

Deterministic, format-preserving protection leaves database schemas unchanged and retains referential integrity for secure analytics

Claim No.	Nat. ID	Claim Type	Claim Status	Amount
3476456	551-16-2728	Collision Damage	Pending	\$5,000
1003487586	551-16-2728	Personal Injury	Fraud Check	\$17,500
2348FG	871-91-9342	Infection	Approved	\$22,600
234763455	144-44-2934	Heart Disease	Pending	\$18,200
G234867	871-91-9342	Personal Injury	Approved	\$12,300

Lab Test	Nat. ID	Date	Result
Total cholesterol	144-44-9282	2018-02-23	250
CRP	144-44-2934	2019-05-30	6.2
CPK-1	871-91-9342	2019-09-06	120
CPK-2	871-91-9342	2019-09-07	30
Total cholesterol	144-44-2934	2017-06-20	180
CPK-1	551-16-2728	2018-11-17	40
CRP	091-71-2929	2018-03-14	4.0
CRP	091-71-2929	2019-03-15	4.5
CPK-2	091-71-2929	2019-03-17	35

Insurance	Nat. ID	Policy No.	Risk
Full Benefits	871-91-9342	9715-2962	2.0
Dental Only	551-16-2728	6420-MECZ	4.0
Full Benefits	144-44-9342	IVI-3435093	2.0
Family Excess	238-98-6254	10211-895	2.5

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Granular Role-Based Access Control

Junior Data Scientist

Name	Street Address	Postal Code	Credit Card #	Province
Kwfdv Cqvzgz	2890 Ykzbpoi Clpppn	M5J 9G2	**** * 1001	Ontario
Veks Iounrfo	406 Cmxtosfal	V6B 5O4	**** * 0139	British Columbia
Pdnme Wntob	1498 Zejojtbbx Pqkag	H4B 4U4	**** * 2829	Quebec
Eskfw Gzhqlv	8261 Saicbmeayqw Yotv	M5V 2E7	**** * 4379	Ontario
Jsfk Tbluhm	8412 Wbbhalhs Ueyzg	R3C 3P3	**** * 1830	Manitoba

Junior Data Scientist only sees fully protected data. Credit Cards can be further masked to also hide the leading 6 digits.

Mid-level Data Scientist

Name	Street Address	Postal Code	Credit Card #	Province
Kwfdv Cqvzgz	1279 Farland Avenue	M5J 2X2	3712 3486 3545 1001	Ontario
Veks Iounrfo	111 Grant Street	V6B 6G1	5587 0856 7634 0139	British Columbia
Pdnme Wntob	4513 Cambridge Court	H4B 5G0	5348 9209 2367 2829	Quebec
Eskfw Gzhqlv	1984 Middleville Road	M5V 1J1	4929 4333 0934 4379	Ontario
Jsfk Tbluhm	2893 Hamilton Drive	R3C 5S4	4556 2545 6223 1830	Manitoba

Mid-level Data Scientist permitted to see Street Addresses and Postal Codes.

Senior Data Scientist

Name	Street Address	Postal Code	Credit Card #	Province
James Potter	1279 Farland Avenue	M5J 2X2	3712 3456 7890 1001	Ontario
Ryan Johnson	111 Grant Street	V6B 6G1	5587 0806 2212 0139	British Columbia
Carrie Young	4513 Cambridge Court	H4B 5G0	5348 9261 0695 2829	Quebec
Brent Warner	1984 Middleville Road	M5V 1J1	4929 4358 7398 4379	Ontario
Anna Berman	2893 Hamilton Drive	R3C 5S4	4556 2525 1285 1830	Manitoba

Senior Data Scientist permitted to see all data in the clear.

Recommendations

Name	SIN	Credit Card #	Street Address	Province
James Potter	385-121-199	3712 3456 7890 1001	1279 Farland Avenue	Ontario
Ryan Johnson	857-644-190	5587 0806 2212 0139	111 Grant Street	British Columbia
Carrie Young	761-586-733	5348 9261 0695 2829	4513 Cambridge Court	Quebec
Brent Warner	604-416-687	4929 4358 7398 4379	1984 Middleville Road	Ontario
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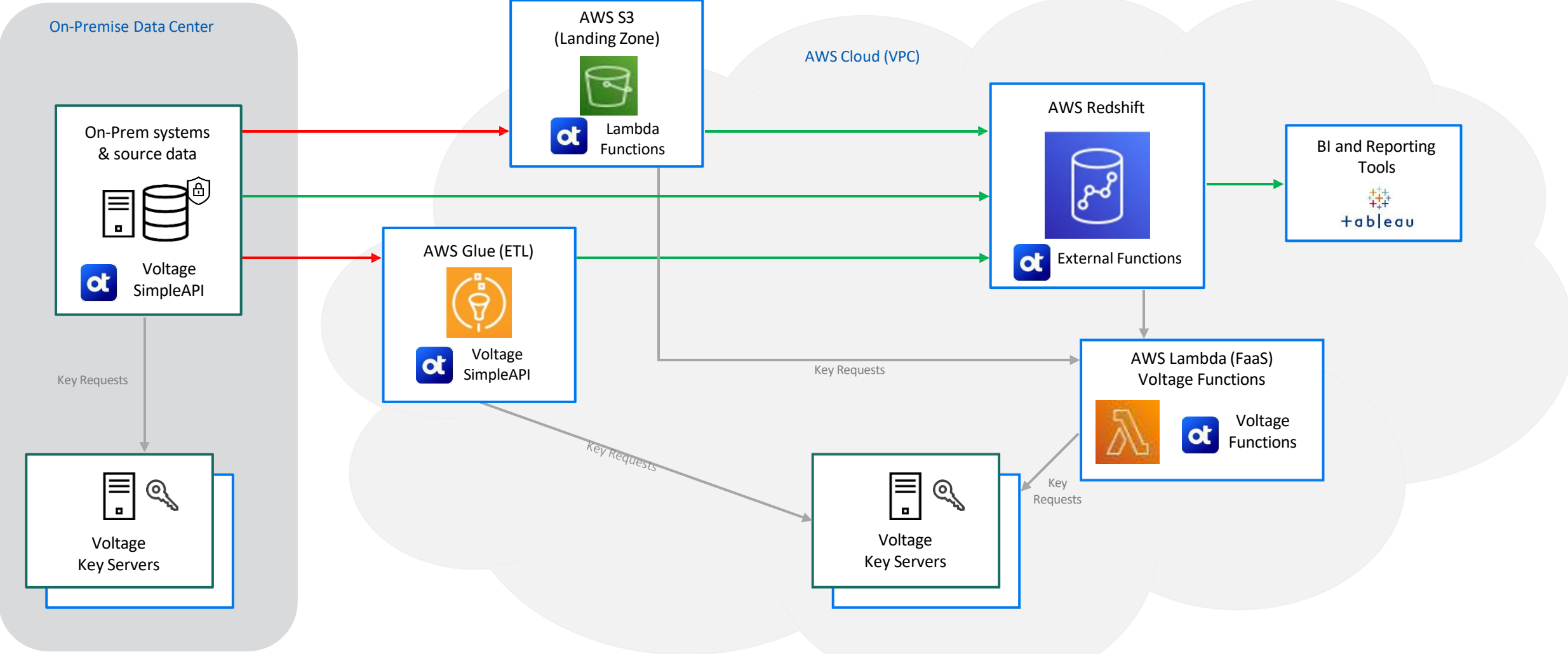
Name	SIN	Credit Card #	Street Address	Province
Kwfdv Cqvzgzk	161-821-199	3712 3486 3545 1001	2890 Ykzbpoi Clpppn	Ontario
Veks Iounrfo	200-794-190	5587 0856 7634 0139	406 Cmxt0 Osfalu	British Columbia
Pdnme Wntob	095-526-733	5348 9209 2367 2829	1498 Zejojtbbx Pqkag	Quebec
Eskfw Gzhqlv	178-176-687	4929 4333 0934 4379	8261 Saicbmeayqw Yotv	Ontario
Jsfk Tbluhm	525-254-226	4556 2545 6223 1830	8412 Wbbhalhs Ueyzg	Manitoba

- ✓ **Standards-based Protection (i.e. NIST Certified)**
- ✓ **Maintain Referential Integrity (Deterministic Algorithm)**
- ✓ **Preserve logic and usability**
- ✓ **Leverage stateless technologies for Scalability and Performance**

The background features a gradient from dark blue at the bottom to light purple and white at the top. It is overlaid with a series of horizontal, wavy lines that create a sense of depth and movement. In the lower half, there is a faint, repeating pattern of blue cubes or rectangular blocks, suggesting a digital or data-related theme.

Scenario: Securing Analytics in the AWS Cloud

Dataflow Scenario: Securing Analytics in the AWS Cloud

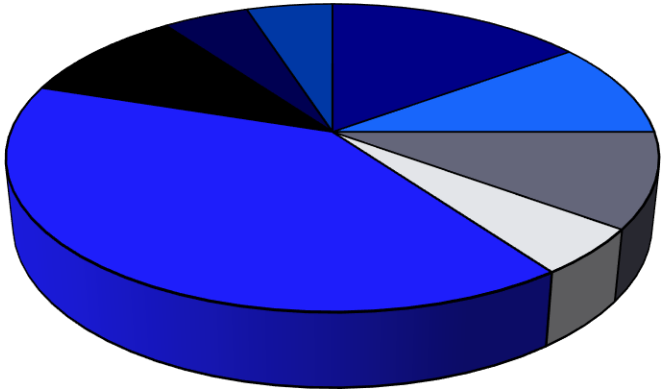


OpenText (Voltage) Value & Differentiators

OpenText (Voltage) Data Security

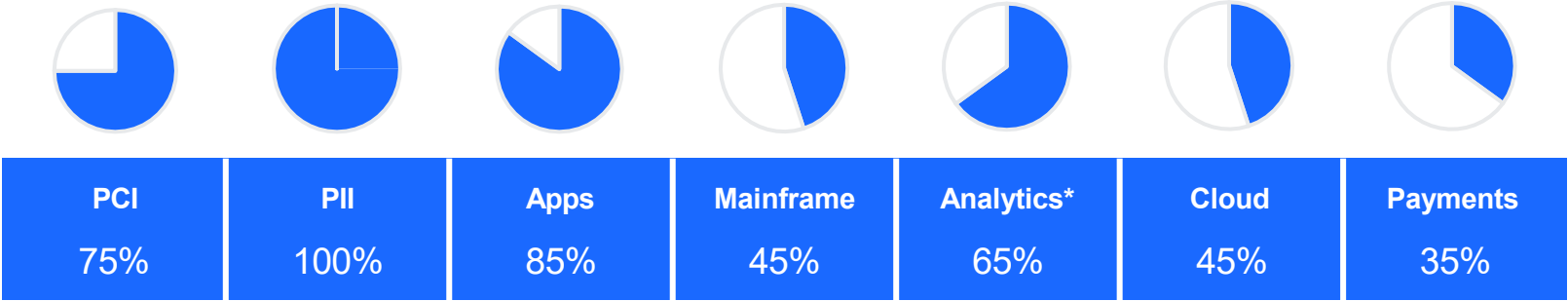
20+ Years of Enterprise Data Security deployed at Scale

Industries



- telco
- healthcare
- manufacturing
- retail
- financial services
- insurance
- logistics
- logistics

Top 20 enterprise customers in North America



Percentage of customers using OpenText across 7 common use cases (~platforms). Average number of use cases: **4.5**

**Many more customers indirectly benefit from ingesting tokenized data into analytic environments without requiring de-tokenization.*



OpenText (Voltage) Data Security Value & Differentiators

1. **Proven**, mature platforms with 20+ years of engineering & real-world deployments at-scale
2. **Standards-based** approach. Creators of the NIST Standard FF1 FPE Algorithm
3. **Enterprise-wide** capabilities, On-Premise and Multi-Cloud, with Referential Integrity
4. **Performance** and **Scalability** required to meet the needs of the largest Enterprises
5. Discover, Classify and **Take Action** from a single platform
 - Visibility through to Remediation



Thank you

Q&A

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3. Tap "Schedule" on the bottom navigation bar.
4. Find this session. Click "Rate this Session" within the description.
5. Once you've answered all three questions, tap "Done".

Thank you!

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