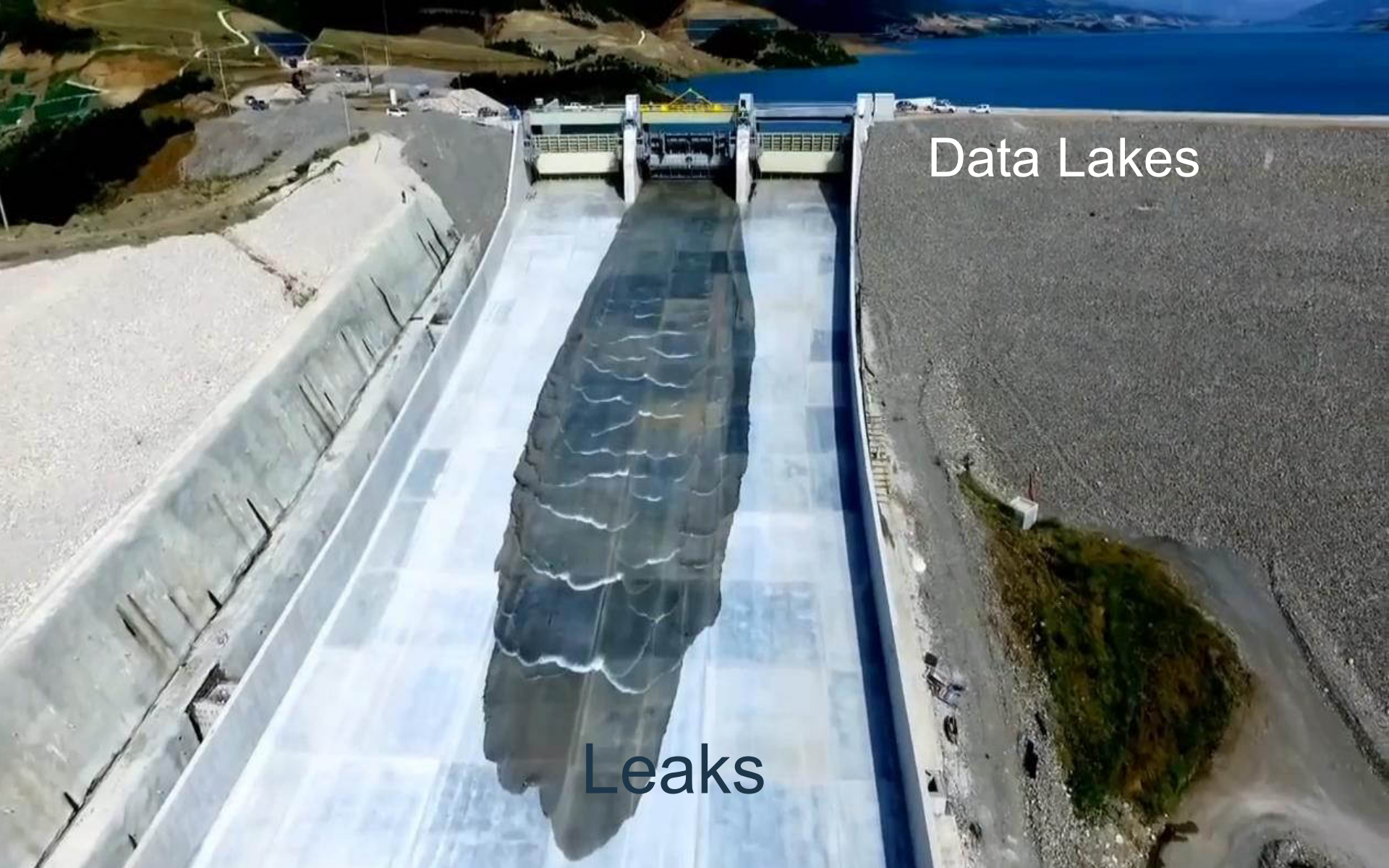




THE NEXT GENERATION

Data Lakes & Leaks
Erno Doorenspleet

AI
CONGRES 2017



Data Lakes

Leaks

A Data Lake versus A Data Reservoir



Data flows in “naturally” and just sits there



Built to extract value from the data

**Data without Analytics
is just a liability**

Will it happen to me?

Secure Access for Every User, Every App, Every Device

OneLogin simplifies Identity and Access Management (IAM) for a more efficient, secure enterprise, delivering an identity management software solution in the cloud trusted by thousands of customers



Proving once again that nobody is immune to data breaches, identity management company **OneLogin** has seen customer details stolen. The firm, which essentially provides password management services for businesses, [admitted](#) that a "malicious actor" has taken details relating to its US customers.

The attack took place on May 31 2017.

"The threat actor was able to access database tables that contain information about users, apps, and various types of keys," the firm continues.

Worryingly, it also says that whoever took the data may have been able to decrypt it.

OneLogin has not said how many customers were impacted during the incident.



DaFont hack leads to theft of 699,000 font-hunters
Font-sharing site DaFont was [breached by a bored hacker](#) in May. Usernames, email addresses, and hashed passwords of 699,000 user accounts were stolen in the breach. The passwords were so bad that more than 98 percent of the passwords were cracked.



Leaked TSA documents reveal litany of airport's security lapses
Documents leaked from a passwordless backup drive exposed [thousands of documents relating to the TSA's activities](#) at Stewart, an international airport about 60 miles north of Manhattan. One of the documents revealed how the airport's security screeners failed to check names against the government's "no-fly" list.

More Users
More Data
More Interactions
= More Risk

IT'S ALL BIG DATA: IOT, ANALYTICS, COGNITIVE , CLOUD

In 1977 Charles and Ray Eames made 'The Power of 10', a film exploring the relative size and scale of the earth and the universe for IBM.



1 in 3

Fortune 1000 employees
upload corporate
data to cloud apps



Where
is
My Data
Stored?

Internet of Things

40% of all data
generated by 2020
will come from
connected sensors
Security is Key!

HRT ANALYTICS

AN.SP.01: 8.10
AN.SP.02: 10.12
AN.SP.03: 17.7
AN.SP.04: 10.11
AN.SP.05: 14.82
AN.SP.06: 44.82
AN.SP.07: 42.42
AN.SP.08: 16.47

100435718492044
104665322769

RT MONITOR

PAGE 0.0110
74 ST1 4.10
ST2
CHICS

97

SBJ_28.LOGS

Recording data
SB

Recording data

Recording data

Recording data

SBJ_28.VT.ANALYTICS

Blood type: A- VT Group: C16 All Group: 149



SBJ_28.VT.ANALYTICS

Blood type: A- VT Group: C16 All Group: 149



10

The background of the image is the flag of the European Union, featuring a blue field with twelve gold stars arranged in a circle. The flag is depicted with a slight wave, giving it a sense of movement.

Data Privacy Regulations

Do **we** understand
the risks created by
Humans?







92% of developers
agree with the
statement that
“Security is going to
be more an issue in
the future”

The background of the slide is a dark, stormy night sky. Several bright, jagged lightning bolts are visible in the upper left and center. In the lower center, the silhouettes of two people are walking away from the viewer, holding a single large umbrella. The horizon is dark and indistinct.

A New Approach for **SECURITY**

Have a (good) Treasure Map

 A treasure map with a compass rose and a skull and crossbones. The map is drawn on a piece of parchment with a grid of latitude and longitude lines. It features a compass rose in the center, a skull and crossbones in the bottom right corner, and various handwritten notes and symbols. The map is titled "Mapa del Reino de Castilla" and "Mapa del Reino de Leon". It also includes a large circular seal on the left side with the text "REINO DE CASTILLA" and "REINO DE LEON". The map is surrounded by a decorative border.

What you don't know **can** hurt you: Master your risk!

- **Create early visibility** into potential risks to sensitive data
- **Identify specific, high-value business-sensitive data** at risk from internal or external threats
- Build a comprehensive view (**processes, procedure, compliance, ownership, etc.**) of sensitive data
- Have the **right conversations** with IT, Security, and LOB teams to improve business processes and mitigate risk



Monitor access and Protect data across the enterprise and beyond

Discovery, classification,
vulnerability assessment, entitlement
management

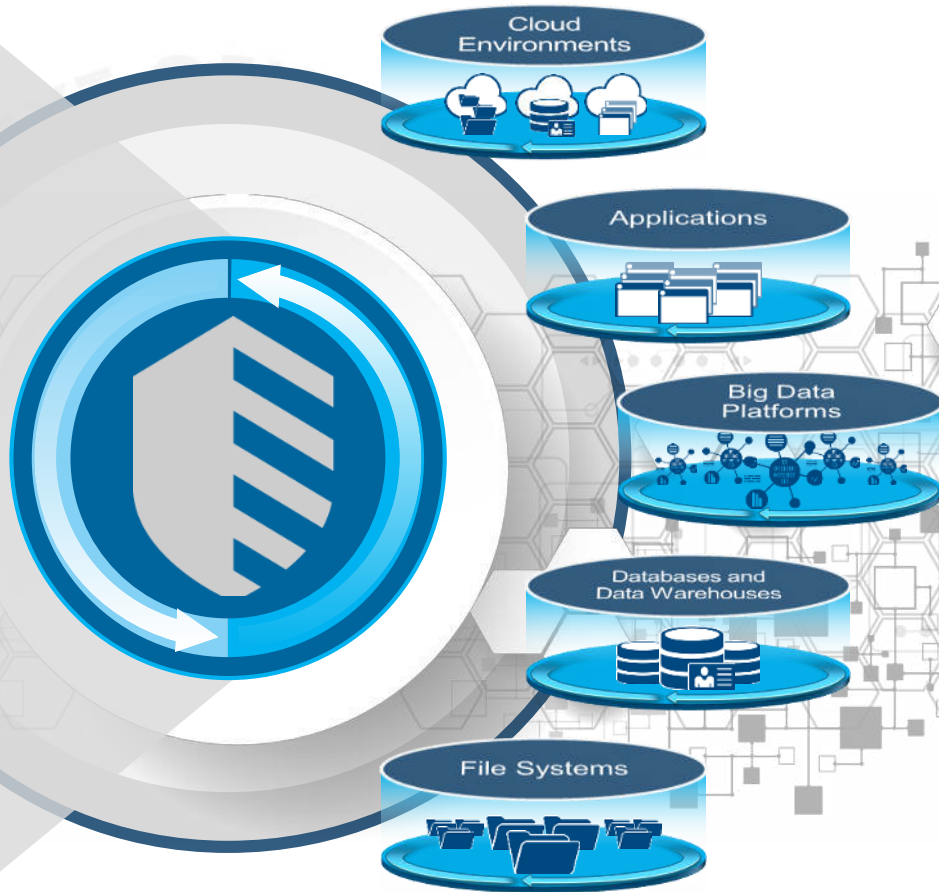
Encryption, masking,
and redaction

Data and file activity monitoring

Dynamic blocking and masking, alerts,
and quarantine

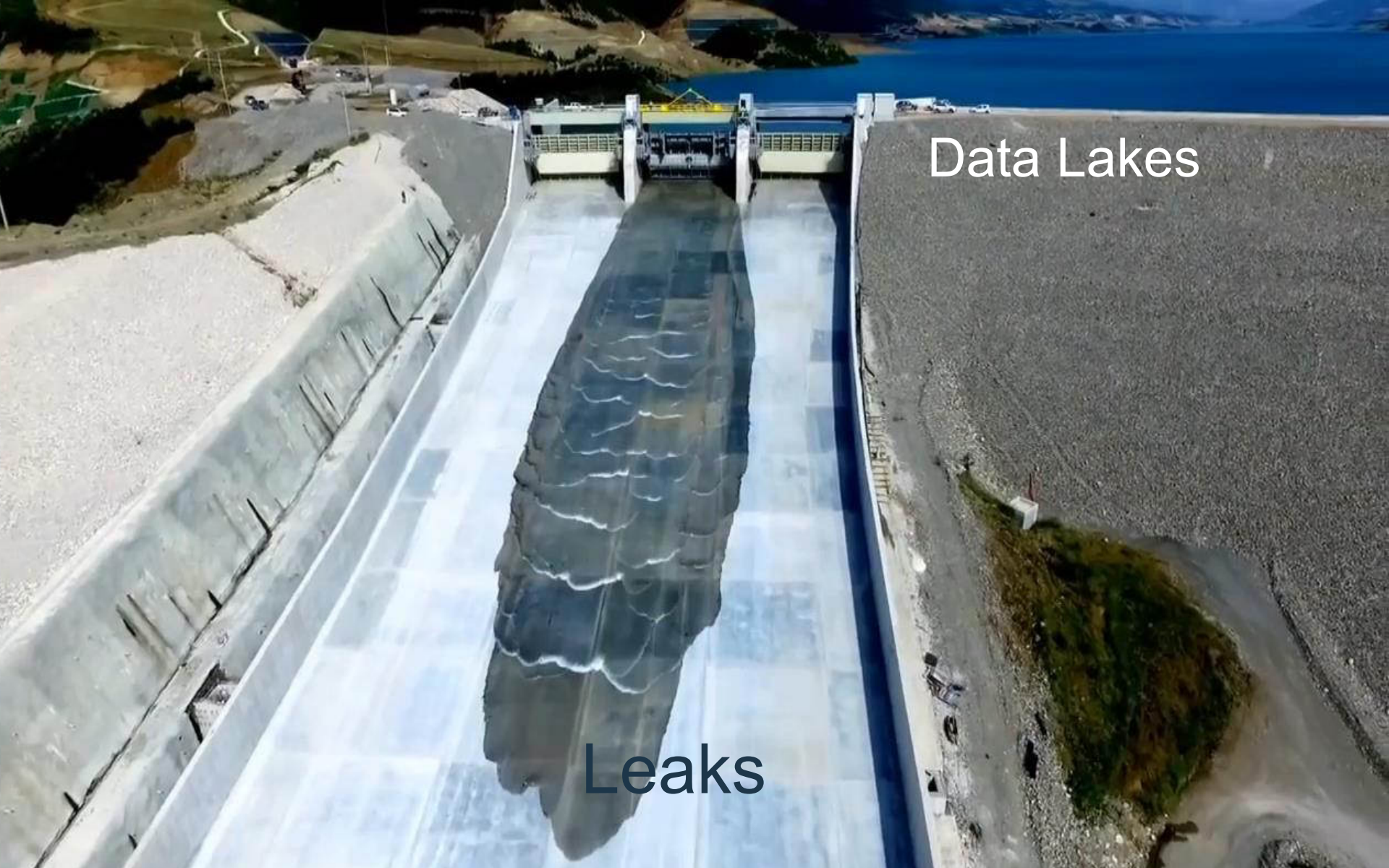
Compliance automation
and auditing

ANALYTICS



A security immune system, integrated and intelligent



An aerial photograph of a large concrete dam with a wide spillway. The dam is situated in a valley, with a reservoir visible in the background. The spillway is flanked by steep, rocky slopes. The water in the reservoir is a deep blue, and the surrounding landscape is a mix of green and brown. The text "Data Lakes" is overlaid in the upper right corner, and "Leaks" is overlaid in the lower center.

Data Lakes

Leaks



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THANK YOU

CONGRES 2014