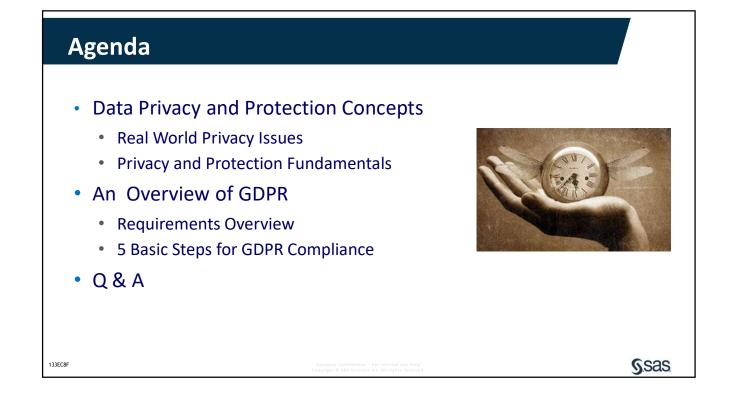




GDPR: The Seismic Shift in Marketing Analytics

Evan Levy Vice President, Data Management Services May 16, 2018





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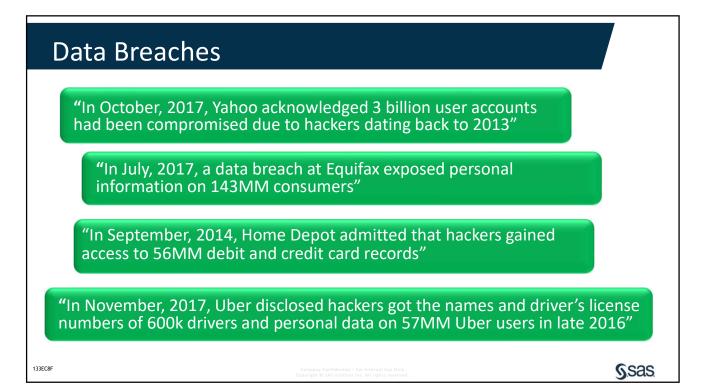
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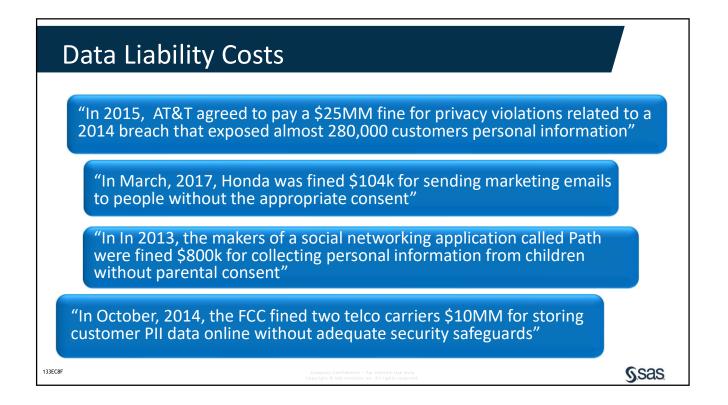
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What is Data Protection?
The safeguarding of the privacy rights of individuals in relation to the processing of their personal data Combain Com
legal safeguards to prevent misuse of information stored on computers, particularly information about individual people Encarta
laws and regulations that make it illegal to store or share some types of information about people without their knowledge or permission.
The process of protecting data involves the relationship between the collection and dissemination of data and technology, the public perception and expectation of privacy and the political and legal underpinnings
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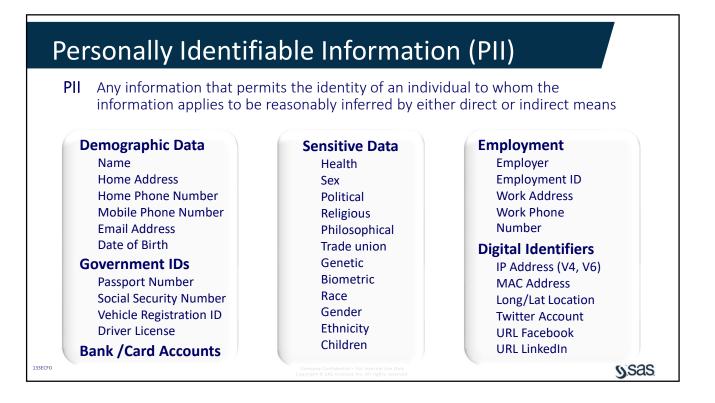


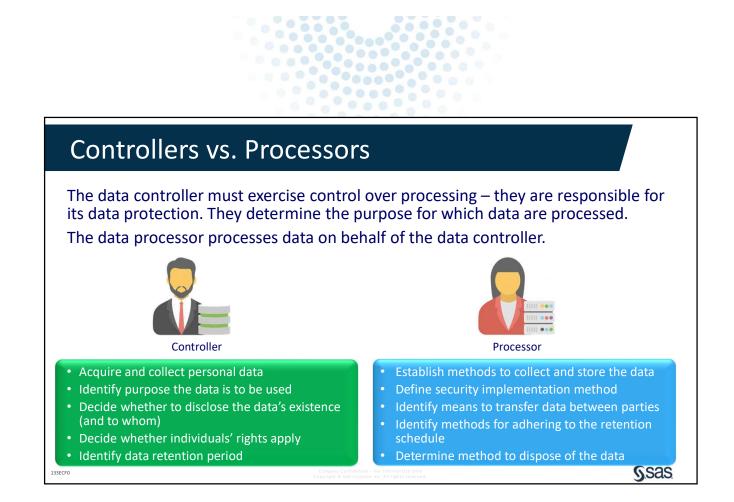
Data Protection

The adoption of administrative, technical, or physical deterrents to safeguard data. Ensuring data is used for only approved processes. Ensuring that data is safe from...

- Data corruption or catastrophic events
- Unauthorized or illegal access
- Data loss or unplanned deletion
- · Inappropriate (or illegal) processing or usage
- Misuse
- Being stored without necessary protection

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Data Anonymization

The process of either encrypting or removing personally identifiable information from data sets, so that the people whom the data describe remain anonymous

	Original Data
Customer ID	30391244
First Name	Bob
Middle Name	James
Last Name	Smith
Birthdate	04/12/1939
Street Address	123 S Oak Street
City	Ava
State	III
Postal Code	62907

Different Methods for Anonymization

0000000	1318870	B3D0AD9
XXXX	Vydvq	408B933
XXXX	Majes	47A26CAD
XXXXX	Oikyf	0049C4DE
00/00/00	03/12/1940	26CADF9D
XXX XXXXX	432 Siocy DC	AD200442
XXXXXX	Fiyt	3D0A2000F
XXX	XU	D20ED049C
00000	45829	043469C40

• There are numerous methods for data anonymization (encryption, hashing, pseudonymization, etc.)

· Anonymization irreversibly destroys any way of identifying the data subject

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Types of Data Consent

Permission to use and process personal data in a manner Data Consent different from the original purpose that the data was collected and used.



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Laws that address consent vary by country and in most instances by industry

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Traceability, Tracking, Lineage Traceability The ability to verify the history, location, or application of an item by means of documented recorded detail History of data value **Tracking all copies Responsible party** Who has access Change history • Location of PII data • "Hands-on" individual • Who has used the data copies within company responsible for - Date of creation · How is the data tracking • Location of PII data sent accessible to current day • CISO within company to external parties - All Values · How is it shared Specific PII elements Location of details · How is it secured - System-to-system and their values (copied) movement 133ECF1 **S**sas



Data Deletion

PII data deletion is the purging and removal of PII data for a specific individual.

• Deletion is not "removing access" or "labeling data to make it unavailable"

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Deletion is the purging and removal of the data content

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 Deletion also requires that a process is in place to ensure offline archives are purged or processed in a manner to ensure that data is not retained

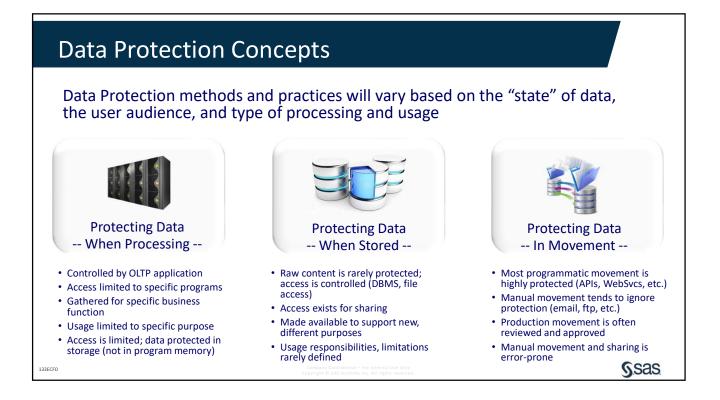
There are numerous issues associated with this...

 There are no laws requiring deletion if a company must address existing business obligations (payment processing, warranty, etc.)

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- Data Deletion is not a uniform requirement across the world
 - There are numerous states and countries that require internet data deletion
 - Specific details vary by governing body, industry, and subject area content

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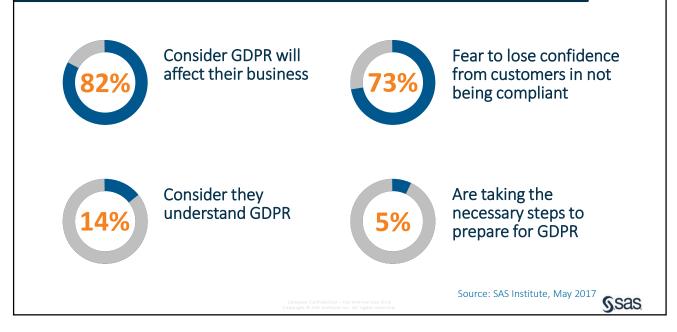






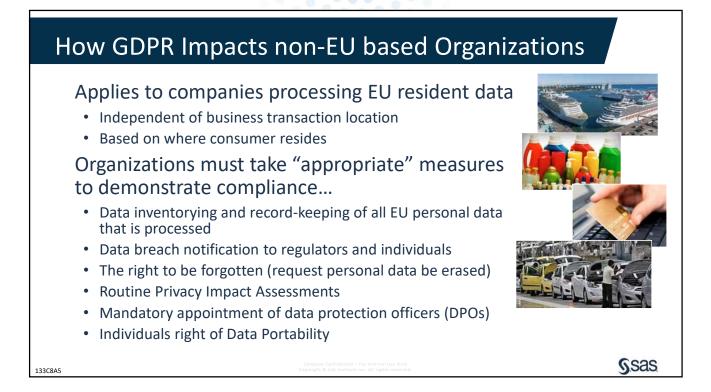


GDPR Compliance Remains a Challenge









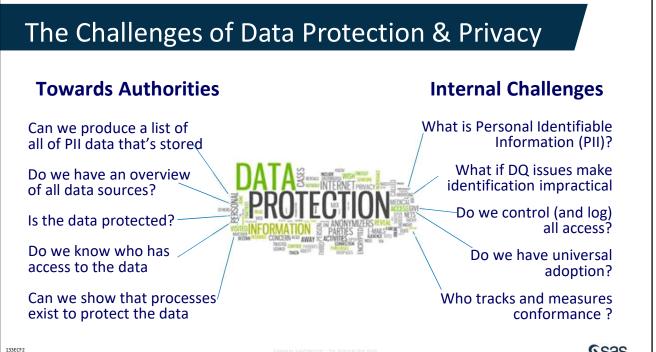
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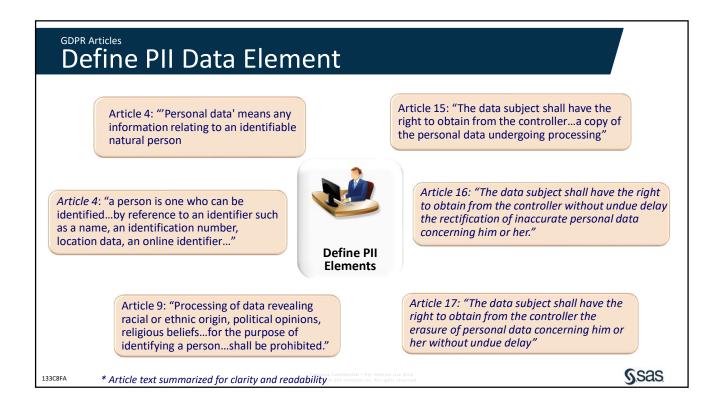
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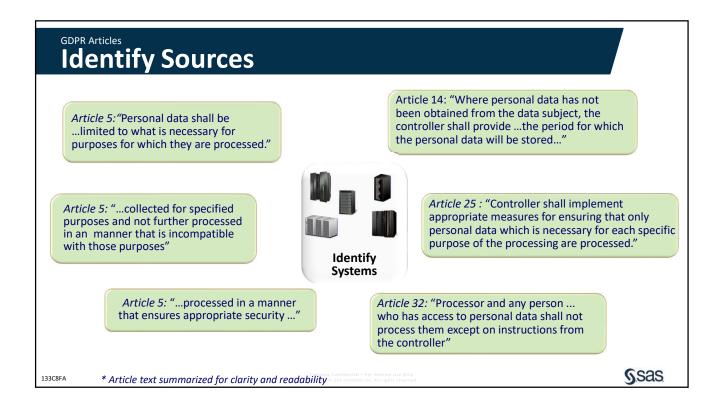




Define PII Elements: Actions to Take Identify company PII data Evaluate each system's Productionalize data glossary correction need for PII data Establish "the list" of PII data elements - Start with the standard, company-independent elements - Identify company-specific elements (e.g. account number, equipment address, etc.) · Expect to "spin-up" a review process that evaluates systems maintaining their own copy of PII data Sas 133C8A5

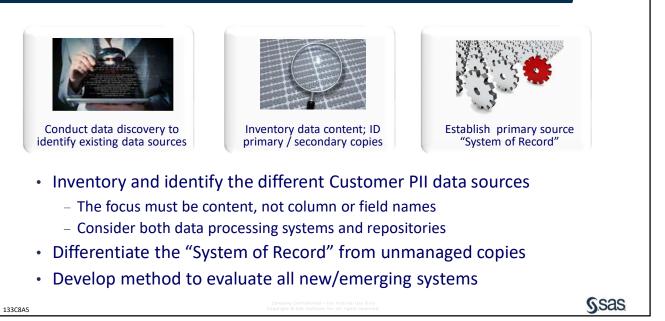
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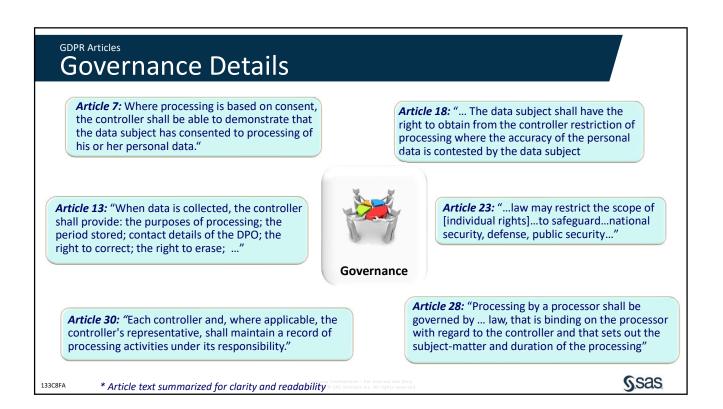
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Identify Sources : Actions to Take

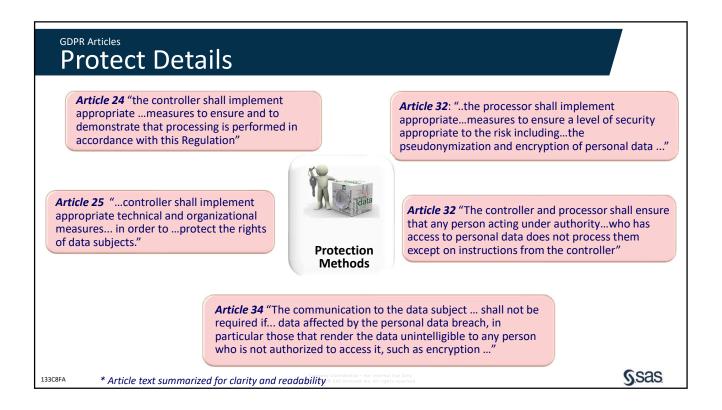






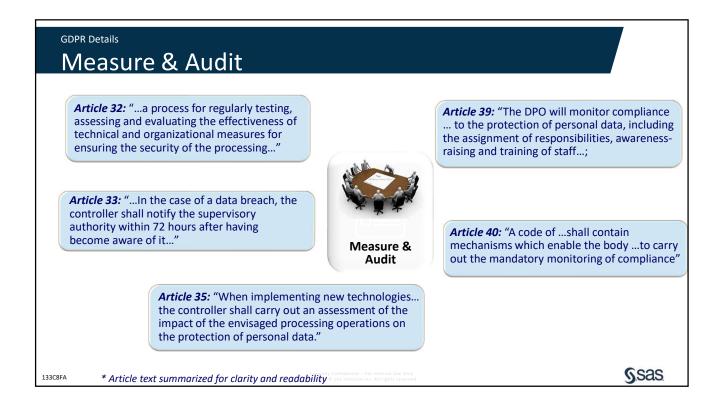


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Protect: Actions to Take Establish measurement / Determine data protection Establish protection standards approach for all PII elements for static and moving data monitoring mechanisms Establish/Centralize customer data security into single chain of authority DPO will need to coordinate with CDO, Data Governance Program, and various IT development and maintenance teams - Establish data security "checks & balances" (compliance, business needs, usability) Establish and socialize "Data Usage Responsibilities" Sas 133C8A5



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..... Measure & Audit: Actions to Take Identify owner and budget Identify GDPR KPIs and Establish process to review all for audit publishing metrics to publish new applications (and data) Develop plan to monitor and log PII data access and usage - GDPR establishes DPO as owner of audit activities Leverage experience from production support and security monitoring areas Establish review process for GDPR compliance for all new applications and data (prior to deployment) Sas

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Other Government PDP Initiatives

More than 50 countries have enacted data privacy laws focused on the private sector and reestablish data rights, ownership, and possession responsibilities. Many countries have multiple laws governing various aspects of personal information.

Mexico	The Federal Law on the Protection of Personal Data held by Private Parties (Ley Federal de Protección de Datos Personales en Posesión de los Particulares)	
Canada	Personal Information Protection and Electronic Documents Act (PIPEDA). The Privacy	Act.
England	Data Protection Act	
Australia	The Privacy Act of 1988; Australian Privacy Principles (2014)	
Singapore	Data Protection Act 2012 (PDPA) – and currently in the midst of a revision	
India	Information Technology Act, 2000. Information Technology (Amendment) Act, 2008	
Japan	Act on the Protection of Personal Information (APPI)	
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