Pseudonymisation Primer

Course Objectives

Pseudonymisation is nothing new nor overly complicated. With the explicit inclusion into the General Data Protection Regulation (GDPR), with a dedicated definition, and in combination with the relevance to (and even 'relaxation' of) certain obligations under the GDPR, pseudonymisation has gained prominence in many data protection scenarios. But it comes at the cost of additional complexity in terms of compliance. While it sounds simple in concept, the details on what 'proper' pseudonymisation is, when it is effective, and how it differs from or overlaps with synthetic data, anonymisation, and other types of Privacy Enhancing Technologies (PETs) requires a more detailed analysis of its objectives, risks, and techniques. This course focuses on the justification for its use and the operational side; how it is applied as a technology and risk management framework; and how it differs from other PETs. The course does not go into details of legal aspects, because those can vary across jurisdictions.

This course is ideal for busy DPOs, managers, and compliance officers, who want to better understand Data Protection (DP) by Design and how personal data can be better protected without the need to deploy sophisticated techniques in an attempt to 'escape' all legal DP obligations. The course explains the typical engineering jargon and technical details in an understandable manner for non-Information Technology (IT) audience.

This course complements our Anonymising Data using k-Anonymity course.

Who should attend?

- Privacy / Software Engineers, Technical Staff, Developers, Data Analysts, Data Architects, and Project / Risk Managers
- Data Protection Officers (DPOs), Compliance Professionals, and Corporate / In-house Counsels

Course Details

Course Code: PE103

Title: Pseudonymisation Primer

Duration: ½ day (approximately 3.5 contact hours)

Mode of Training: In-person

Venue: Drew & Napier LLC

                10 Collyer Quay, 10th Floor, Ocean Financial Centre

                Singapore 049315

Course Fee: S$300.00 (excluding GST)

To view available dates and register for this course, please click here. You may view all available courses and our course schedule(s) on our Academy webpage (https://www.drewnapier.com/Academy).

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Course Outline

- **Core aspects and scope of pseudonymisation**
  - Pseudonym as identifier
  - Pseudonym(isation) as protection
  - Attribute types and pseudonymised data

- **Common Techniques (with pros and cons) for pseudonymisation**
  - Simple appending / replacement
  - Derived pseudonyms
  - Advanced techniques
  - Use case dependence

- **Differences / overlaps between pseudonymisation and anonymisation**
  - Basic technical and legal aspects
  - Threat models and risk levels
  - Differences in tool support

- **Comparison of Guidance from regulators**
  - PDPC and ASEAN Guide
  - European Data Protection Board (EDPB) Guide
  - and others

Course Facilitator

Albert Pichlmaier is Senior Learning Technology Designer with Drew Academy and concurrently Senior Cybersecurity & Privacy Engineer with Drew & Napier's Data Protection, Privacy & Cybersecurity practice. He holds a degree in Computer Science from a German tertiary institution. He is a Certified Information Systems Security Professional (CISSP), a Certified Data Privacy Solutions Engineer (CDPSE), a holder of the Singapore WSQ Advanced Certificate in Learning and Performance (ACLP), and a certified Blockchain Developer. Albert is credited as an inventor of two patents granted in Germany and other countries. His technical expertise covers a wide-ranging area of matters involving Cybersecurity, Privacy Engineering, Cryptography, Quantum Computing, Artificial Intelligence / Machine Learning, Blockchain Development, Data Analytics, Big Data, and Data Visualisation. For the courses and webinars under the Drew Academy, he draws from this pool of knowledge and experience to explain technical content to non-technical audiences, develop proof-of-concept and learning tools, and engage with experts on finer details.

Albert was formerly an Executive Manager with the Personal Data Protection Commission (PDPC), where he was involved in technology assessments for data breach investigations, research into trending / disruptive technologies and advising on technical aspects of various PDPC guidelines and publications (amongst other matters). Prior to his role with the PDPC, Albert worked in technology-related organisations in the private and public sector in Germany, Spain, and Singapore. He was also a technopreneur, having set up a company to provide testing tools for embedded systems and smartcard applications.

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