

GDPR & CCPA – A Developer’s Viewpoint

Privacy Primer, Privacy & Software Platforms, Implementing Consent, SAR, Breach, Compliance

One of the most significant yet understated achievements of the European Union in practically helping its 500 million citizens is the GDPR – [General Data Protection Regulation \(EU\) 2016/679](#). The upcoming California Consumer Privacy Act (CCPA), sometimes called the “[American GDPR](#)”, is substantially similar to the GDPR but has some differences. Though somewhat bureaucratic, when you understand how GDPR and CCPA work, they are actually quite a sensible approach. If you were asked to invent your own data protection framework that genuinely protects citizen data privacy rights, you probably would end up with something

close to GDPR/CCPA. Global companies are being encouraged to [implement GDPR on a world-wide basis](#) (with suitable local adjustments), because it is good for their customers and to be ready for the equivalent rules that are likely to be adopted by governments around the world over the next few years.

This specialist course for software developers explores how the architecture of their global software platforms can be adjusted to accommodate implementing GDPR / CCPA and similar. It focuses in on how to implement software features needed to deliver robust data privacy.

Contents of One-Day Training Course	
<p>Target Audience Experienced software engineers who need to implement GDPR-/CCPA-related functionality in the software platforms they are developing.</p> <p>IMPORTANT: This course is not legal advice. This course is written and presented by a software engineer, not a lawyer. To get a complete all-round explanation of all aspects of GDPR/CCPA and to get legal advice on how their organizations should implement these, attendees also separately need to consult with qualified lawyers licensed for the jurisdiction(s) relevant to their project(s).</p> <p>Prerequisites Good all-round experience of software development, at a CTO, software architect or senior software developer level.</p>	<p>Privacy and Data Protection What are we trying to protect? What are the possible rights that could be conferred on citizens/companies? The idea of a data protection framework and how it might work Categories of data / heightened protection for some (e.g. personal health data) Introducing GDPR is like when recycling arrived - a bit of a change at first, soon became embedded in how we behave</p> <p>A layman’s GDPR/CCPA Intro What is the GDPR/CCPA/similar? Organizations have responsibilities Individuals have rights What are data controllers, data processors and data subjects? CCPA vs. GDPR Adequacy Decision & international</p> <p>GDPR/CCPA & Software Platforms What are important features of GDPR/CCPA for cloud and enterprise software platforms? GDPR/CCPA as one feature of the wider corporate software infrastructure</p> <p>Privacy Model for Software Platforms Recommend a corporate privacy model, with input from engineering, ops, sales, .. Want one clear global set of features / procedures that encompass global privacy requirements and can adapt in future</p> <p>Categories Personal data stored needs to be identified and assigned a category-how to implement Some categories (e.g. health details) are required to have higher protection-how? Consent: Asking For/Recording One lawful reason for storing/processing an individual’s data is they have consented How software platforms can ask use for consent+record the granted/denied consent SAR Handling (access request) Data subject may ask for copy of their data Software platforms should be adjusted to electronically accept SARs and respond How do we know individual making SAR is really the data subject? What data to collect (and what format) How to return result via software platform</p> <p>Handling a Data Breach When data breach occurs, inform data controller + data subject (if at risk)</p> <p>Handling an Audit An audit can check for GDPR compliance – how dev/DevOps best prepare for audit</p> <p>Specialist Issues Personal data appearing in log files What happens when employee joins/leaves What happens with new customer Paying attention to data retention policy</p> <p>GDPR Software Project We examine the practical steps needed to GDPR-enable a software platform</p>