

## **Knowledge protects: conceptual confusion about Security and Privacy**

DeepSec Conference and Privacy Week join forces to educate professionals

Privacy and Information Security are often mentioned in the same breath. The difference between the two terms is often not clear, especially when you read publications or follow political debates that like to use both words synonymously. The outcome very often translates into "something with protection and privacy, preferably digital". The inevitable consequence is a highly dangerous half-knowledge regarding those terms that leads to security issues. Privacy and secrets are worth protecting, but they are not necessarily the same thing. Therefore, DeepSec Conference and Privacy Week would like to provide education through talks and lectures in October and November of this year.

### **Information security as a foundation**

Without foundations, no stone rests on another. Information security is always the basic component when it comes to security or protection. It's the necessary foundation to build upon. The primary goal is to protect data from unauthorized access and to ensure the integrity of the data. This automatically includes protection against manipulation, digital theft (that is, copying data) or the misuse of information processing systems. The problem lies in its implementation, since modern everyday life at home and in the workplace is strongly networked and thrives on constant access to data. If you build in locks and barriers, you have to think very carefully about how to implement it in a productive operation. This is not an unsolvable problem, it just needs good planning. To use the simple analogy to the information highway: In Street traffic we've managed it too. An intelligent architecture is always crucial, coupled with experts who work in an interdisciplinary manner. Who implements regulations and security measures, without knowing what this means for each individual workplace, sets the basis for exceptions and special regulations, thus, ultimately, for security gaps.

### **Privacy involves citizens with rights**

As soon as personal data comes into play, it gets - in the truest sense of the word - personal. Citizens have rights provided by their constitution. That's where privacy comes into play. In addition, there's a change of focus. Information security protects data and systems in general. But privacy focuses on the protection of personal data. This includes logics to create profiles from data, which in turn can be assigned to certain individuals.

This is where there are differences between the two disciplines. Information security

sometimes needs to determine how a failed login attempt or access to data could occur. For this purpose, it is mandatory to write logs and process personal information. Each system administrator has already searched log files for diagnostic purposes. One will automatically see time stamps, unique identifiers or names, depending on the system used. Of course, protection applies to these data too, and this is exactly where the cooperation that is needed between the two disciplines begins. The DeepSec Conference and Privacy Week would therefore like to bring privacy and information security specialists together to share their knowledge and experience.

### **Lecture at Privacy Week 2018**

René Pfeiffer, Managing Director of DeepSec GmbH, will give a talk at Privacy Week entitled "*The relationship between Privacy and Security*". Privacy uses information security to achieve its goal - the protection of private data. Conversely, information security does not necessarily have to deal with personal data. Operating systems and applications may protect themselves at any time even without the presence of users. Depending on the context, however, information security does come into contact with profiles and personalities. Biometrics for logins is a (bad) example, because you can not change physical characteristics; the same goes for analyzing behaviour to check people's use of accounts, or simple messages with names, phone numbers, or the like. Surveillance is often a privacy issue, but occasionally it is a component of information security. Here again, everything depends heavily on the context. The lecture therefore does not want to relativize, but to bring clarity to the confusion. The similarities and differences between the two disciplines must be understood before venturing to implement measures. The content of the lecture should help with semantic navigation and give the audience the chance to distinguish charlatanism from true protection. It will become clear during the presentation that data is definitely not the crude oil of the 21st century. Founders and members of start-ups are explicitly invited to further their education.

### **Presentations at the DeepSec conference**

The lecture "*Blinding the Watchers: The Growing Tension between Privacy Concerns and Information Security*" by Mark Baenziger sheds light on the tension between information security and privacy. Examples will be used to illustrate how security officers have disabled privacy practices when investigating incidents. The focus of the presentation is on the mechanisms that IT security departments use to achieve their goals. The tools that are used to solve attacks and frauds must inevitably

access data that may be personal. Mark Baenzinger shows ways how to use alternative analytical approaches. After all, legal requirements apply to the security of infrastructure, business data and personal data as well. Compliance can not be ignored at will. Study the solutions before the problems occur. At the DeepSec conference you will find a large number of experts on-site which you can approach during the event.

## **Program and booking**

The DeepSec conference takes place on the 29th and 30th of November.  
The trainings take place on the two previous days, the 27th and 28th of November.

Training & Conference venue:

The Imperial Riding School Vienna - A Renaissance Hotel, Ungargasse 60, 1030 Vienna.

You can find the current program under the link: <https://deepsec.net/schedule.html>

Tickets for the DeepSec conference and trainings can be ordered via the link <https://deepsec.net/register.html>.

The Privacy Week will take place from the 22nd to the 28th of October 2018 at the Folklore Museum in the 8th district of Vienna.

The program can be found at <https://fahrplan.privacyweek.at/>.

The tickets for the Privacy Week can be ordered online via <https://privacyweek.at/tickets/>.