

## Training:

# Assessing Business-Critical Systems: Attack & Secure SAP Platforms

Date of the training: **March 16-17, 2020** in Heidelberg, Germany

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## Overview

77% of the world's revenue transactions are processed by an SAP application. Even knowing that, organizations still rely only on traditional SAP security methods like Segregation of Duties to secure these critical applications. During this training you'll have the opportunity to learn how to actually take advantage of misconfigured systems and break into them. First, we'll put ourselves in the shoes of an attacker who wants to gain access to the most critical systems of any company, its SAP applications. You'll learn about the types of weaknesses that could affect these systems, potentially going from no access to full access, discovering, assessing, attacking and exploiting them in a guided Capture the Flag style. In parallel, you'll play the defender's role, understanding key concepts and learning how to properly protect and secure these applications from the most common and emerging threats attackers are using.

Have you ever considered how critical SAP applications are for your organization? Have you ever wanted visibility into what's stored in those complex systems that are so critical that no one wants to touch? Traditionally, most of these applications are out of

scope of regular penetration tests. Have you noticed SAP security patches are usually applied late and sometimes not at all? If so, this course is for you!

During this training we'll do a deep dive into the "business-critical applications" world of a typical company. You'll learn the basic concepts needed to understand and test a variety of attacks against these systems and how to secure them.

This course is designed to show you how an attacker could find, assess and exploit these systems. You'll learn it in a hands-on way, playing the attacker's role and actually exploiting this attack to gain some kind of access. Later, you'll be in the defender's trench, learning how to secure and protect the systems you previously exploited, in a guided Capture the Flag style activity. Additionally, this will include exercises and live demonstrations.

For Troopers 2020, we have updated and added new topics that are usually leveraged to break into this kind of systems together with new exercises! After completing this training, you will be well equipped to understand the critical risks your SAP platform may be facing and how to assess them. Not only that but also, you will know the best practices to effectively mitigate them, detect incidents and proactively protecting your business-critical platforms.

## Prerequisites

- General knowledge on Information Security;
- Basic knowledge on Networking;
- Previous SAP expertise is welcome but NOT required!

## Requirements

- Laptop with permissions to install software;
- SAPgui should be installed on the laptop;
- SSH client should be installed on the laptop (such as putty).

## About the Trainers

**Yvan Genuer** is a Sr. Security Researcher at Onapsis. He has over 15 years of SAP experience. He has been delivering consultancy services around SAP Security as well as researching for vulnerabilities into SAP products, resulting in SAP AG official acknowledgements he has received, for several vulnerabilities he originally reported. Furthermore, he has also conducted both trainings and talks about this topic in conferences.

**Pablo Artuso** is a Security Researcher at the Onapsis Research Labs. He is most of the time involved in projects of vulnerability research and penetration testing of SAP products, where he has helped to patch several bugs on its products. He is one of the responsible of delivering and keeping up to date SAP Security Training and has also presented about SAP Security in other conferences around the world. In his spare time, he enjoys playing CTF's including web exploitation, reverse engineering and crypto challenges.

## Booking

Recommended online booking of trainings through:

<https://troopers.de/tickets/>

**Voucher code: TR20\_HMTS**

Using this voucher code automatically gives you an additional 5% off the current valid price! You can register with this code until seats have run out.

## Contact

**Need assistance?** Don't hesitate to call us. We are fluent in English and German.  
+49 151 16228365 or [info@troopers.de](mailto:info@troopers.de)

**Booking is also possible offline through your trusted partner:**

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