SAP Security Forum – Agenda

June 28 – 30, 2022
SAP Learning Class, virtual option

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THE BEST RUN **SAP**

Agenda – Tuesday, June 28, 2022

From 1:30 (pm)	**Get ready! Our colleagues at the virtual info counter are happy to answer your questions.**			
2:00 – 2:15	**Welcome!** *Michael Janning, Manfred Wittmer, SAP*			
2:20 – 3:20	**K1 Open Source Supply Chains - How Attackers Poison the Well** *Henrik Plate, SAP*			
3:20 – 3:40	Coffee break			

Breakout-Sessions

	A Infrastructure & Communication Security	B Identity & Access Management	C Compliance & Data Protection	D Cross-Topics & Lecture Repetitions
3:40 – 5:00	**A1** ●● **Don't Panic: A Security Administrator's Guide to Moving to SAP S/4HANA** *Tobias Lejczyk, SAP*	**B1** ●● **Evolving Identity Access Management Building Blocks** *Gerald Fest, Gunnar Kosche, Sonia Petrescu, SAP*	**C1** ●● **Authorizations in the context of hybrid S/4HANA system landscapes** *Markus Griem, SAP*	**D1** ●● **Secure by Default** *Michael Altmaier, SAP*
5:15 – 7:00	**Lights out! A hacker attack on the nationwide power supply is set to cut off the juice to Germany. A huge catastrophe is imminent! Which team can prevent this disaster?** *Join our virtual escape room and have fun!*			

Please note: The time zone in this agenda is in CET (Central European Time). Please adjust to your local time zone.

Each lecture is marked according to its level of detail:
● **Basic** – Introduction to the topic, no previous knowledge necessary   ●● **Intermediate** – Basic knowledge of the solution necessary   ●●● **Advanced** – Extensive knowledge of the solution required

Agenda – Wednesday, June 29, 2022

2:00 – 3:00	**K2: Bug Bounty for SAP applications with focus on SAP S/4HANA** *Annette Fuchs, Ravishankar Sahadevan, SAP*
3:00 – 3:15	Coffee break

Breakout-Sessions

	A Infrastructure & Communication Security	B Identity & Access Management	C Compliance & Data Protection	D Cross-Topics & Lecture Repetitions
3:15 – 4:45	**A2** ●● **Finding vulnerabilities and non-compliance before the auditors do – security analyses with SAP Focused Run** *Dr. Hendrik Müller, Frank Kunz, SAP*	**B2** ●● **Identity Lifecycle with SAP S/4HANA and SAP Analytics Cloud** *Jannis Rondorf, Aydin Tekin, Ibsolution*	**C2** ● **SAP HANA Data Anonymization – The Hidden Champion** *Wolfgang Epting, SAP*	**D2** ● **Transparency challenges for authorization concepts and compliance requirements in SAP BW/4HANA** *Mario Tavric, Christian Fuernsinn, Sapure*
4:45 – 5:00	Coffee break			
5:00 – 6:30	**A3** ●●● **Live security attack on an SAP system: How attackers can gain access to productive SAP systems ... and how SAP Enterprise Threat Detection detects this** *Holger Stumm, log(2), Dr. Michael Schmitt SAP*	**B3** ● **IAM in the context of SAP Task Center** *Fabian Lehman, Jiri Ehrlich, SAP*	**C3** ●● **Use cases for SAP Tax Compliance outside the traditional finance and tax area** *Konstantin Pabst, Monika Horn, SAP*	**D3** ●● **Paving the way to Zero Trust** *Arndt Lingscheid, SAP*
6:30	**End of day 2**			

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Agenda – Thursday, June 30, 2022

2:00 – 3:00	**K3: Trustworthy, Explainable, and Ethical AI at SAP** *Anderson Santana de Oliveira, SAP*			
3:00 – 3:15	Coffee break			

Breakout-Sessions

	A Infrastructure & Communication Security	**B** Identity & Access Management	**C** Compliance & Data Protection	**D** Cross-Topics & Lecture Repetitions
3:15 – 4:45	**A4** •• **SAP Enterprise Threat Detection goes Cloud** *Arndt Lingscheid, Dr. Michael Schmitt SAP*	**B4** • **Identity Access Governance – The SAP Tool for Hybrid and Cloud-Only Scenarios with Live Demo** *Josipa Vujaklija, Gerald Fest, SAP*	**C4** • **Enhanced protection of business-critical data at SAP UI level** *Tobias Keller, SAP*	**D4** •• **Implementing SAP Fiori in SAP S/4HANA: Tools for Content Management and Layout Structuring** *Kattia Jordan-Philipp, Marek Barwicki, Dieter Mauer, SAP*
4:45 – 5:00	Coffee break			
5:00 – 6:30	**A5** ••• **HTTP – The One Protocol** *Tobias Lejczyk, SAP*	**B5** •• **Roadmap for a Secure Login Server in the Cloud** *Christian Cohrs, SAP*	**C5** •• **Information Security Compliance Management for Intelligent Enterprises** *Kedar Warunkar, SAP*	**D5** • **Customer Security Responsibilities in public cloud offerings from SAP** *Dr. Hendrik Müller, SAP*
6:30 – 7:00	**Join our expert panel to ask your individual questions!** **Infrastructure & Communication Security:** *Dr. Hendrik Müller* **Identity & Access Management:** *Sonia Petrescu* **Compliance & Data Protection:** *Tobias Keller* **Cross-Topics & Lecture Repetitions:** *Kattia Jordan-Philipp, Marek Barwicki*			

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Lectures at a glance

K	Keynotes	
K1	**Open Source Supply Chains - How Attackers Poison the Well**	The increasing use of open source during software development makes it an interesting target for so-called software supply chain attacks, where attackers inject malicious code in upstream open source projects such that it is executed by software developers or end users down the line. This talk provides an overview about common attack vectors, and sheds some light on countermeasures.
K2	**Bug Bounty for SAP applications with focus on SAP S/4HANA**	Bug Bounty programs allow third parties to receive financial recognition when they discover and responsibly disclose vulnerabilities in an application. In 2018, the Product Security Incident Response Team within the SAP Global Security organization introduced such an SAP Bug Bounty Program as a central service. In 2020, vulnerability notifications from this program already reached second place of all external reports - even though only a few SAP applications have offered a bug bounty program so far. In this presentation, we will talk in detail how the SAP Bug Bounty Program can help application teams make their applications more secure. Further, we will introduce the S/4HANA Bounty Program and explain how this service increases the S/4HANA security for both, customers and internal stakeholders.
K3	**Trustworthy, Explainable, and Ethical AI at SAP**	The responsible use of Artificial Intelligence has received increased attention by societies across the world. In this talk will see the major concerns regarding AI, followed by an overview of the Ethical AI initiatives driven by SAP. Then, we will show how the SAP Security Research team is supporting the responsible use of AI be with technology

Lectures at a glance

A   Infrastructure & Communication Security

A1 ●●	**Don't Panic: A Security Administrator's Guide to Moving to SAP S/4HANA**	Everything is new, everything is different, or is it not? To be able to secure something, you must first understand it. We will look at the architecture of SAP S/4HANA and see how this architecture has an impact on us in the security area. Which topics are new? Which topics remain? What options does an SAP S/4HANA project provide for the security area?
A2 ●	**Finding vulnerabilities and non-compliance before the auditors do – security analyses with SAP Focused Run**	The complexity and dynamics of today's SAP system landscapes and the increasing threat of cyberattacks require improved analyses and checks of the actual security level of the SAP landscape. This presentation uses practical experiences from SAP's day-to-day customer life and security recommendations to show how a central data and analytics platform makes security vulnerabilities and non-compliance transparent in an automated way – before attackers and auditors do it.
A3 ●●●	**Live security attack on an SAP system:** How attackers can gain access to productive SAP systems ... and how SAP Enterprise Threat Detection detects this	SAP customers and their SAP production systems are threatened by the actual risk of cyber attacks, which in the worst case can lead to the theft of intellectual property, identities, or data or ransom attacks. How do these attack patterns appear in productive SAP systems? And how can you defend yourself from these attacks as an SAP customer? In this presentation, we will show some live attack and defense scenarios.
A4 ●●	**SAP Enterprise Threat Detection goes Cloud**	Cyber attacks are increasing dramatically. To manage security controls for SAP systems, companies and organizations need to go beyond preventive measures and focus on real-time detection and response. But how can companies protect themselves if you do not have the necessary experts and operate a 24 x 7 security operations center that also covers the security requirements of the SAP system landscape? Many companies are in a similar situation. There are 2.5 million cybersecurity vacancies worldwide. How can SAP help? In this presentation, we will give you a detailed about SAP Enterprise Threat Detection. We then explore the capabilities of the ETD cloud solution and its security service and compare the possibilities between the on-prem solution and the cloud solution including the managed service offering.
A5 ●●●	**HTTP – The One Protocol**	Our world is governed by web applications. From cloud application to Fiori, more and more business applications run over HTTP. Since 1991, this protocol has shaped how we communicate with each other. However, for many it is still "uncharted territory". So how does HTTP work? How are messages exchanged? How can we secure the communication? In this presentation, we will dive deep into the world of HTTP, HTTP infrastructures, encryption, authentication, and security risks.

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Lectures at a glance

B   Identity & Access Management

B1
●●
Evolving Identity Access Management Building Blocks

What are the Identity Access Management (IAM) reference architectures and why should you know them? This presentation provides you with the newest insights on SAP IAM products and how to adopt them in your landscape. The IAM further development in the context of the Intelligent Enterprise will be presented.

B2
●●
Identity Lifecycle with SAP S/4HANA and SAP Analytics Cloud

Learn how to set up an integrated hybrid identity lifecycle leveraging SAP Identity Management, SAP Cloud Identity Services – Identity Provisioning and Authentication, S/4 HANA On Premise, and SAP Analytics Cloud.

Allows new hires to instantly view stories in SAP Analytics Cloud and view data from S/4 HANA On Premise

B3
●
IAM in the context of SAP Task Center

An introduction to the SAP Task Center Service (also known as SAP Suite Quality - One Workflow Inbox), a central inbox across all LoBs and part of the SAP's Integration Strategy, and how SAP has solved the special access control and security requirements of these.

B4
●
Identity Access Governance – The SAP Tool for Hybrid and Cloud-Only Scenarios with live Demo

In this presentation, we will show you the possibilities and features of the cloud solution Identity Access Governance (IAG) and the links to SAP Cloud Identity. However, unlike the compliant IAM architecture presentation, the focus of this presentation is clearly on IAG. The various services included, including a live demo, as well as the do's and don'ts of an implementation, are presented.

B5
●●
Roadmap for a Secure Login Server in the Cloud

Today, the Secure Login Server is SAP's on-premise solution for enabling multi-factor authentication and single sign-on for SAP GUI. Customers receive the Secure Login Server component as part of their SAP Single Sign-On license and operate it on an SAP NetWeaver Application Server Java. To enable single sign-on for SAP GUI, the Secure Login Server provides short-lived X.509 certificates to end users.

In this roadmap presentation, we will talk about SAP's plans to offer an alternative solution, which will be attractive to customers who intend to increase their footprint in the cloud. This planned solution includes the support for cloud-based identity providers as part of the authentication process, removing the dependency to on-premise directories. In addition, we will talk about a planned cloud-based service for the enrollment of X.509 certificates that can be used as a lean alternative to the AS Java-based on-premise component.

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Lectures at a glance

C   Compliance & Data Protection

C1
●●
Authorizations in the context of hybrid S/4HANA system landscapes

This presentation provides insights into the implementation of authorization concepts for SAP S/4HANA on premise including a system demo.

It presents best practices for an overall authorization concept, including extensions based on the Business Technology Platform (BTP) such as the SAP Launchpad service and custom Fiori apps.

C2
●
SAP HANA Data Anonymization – The Hidden Champion

The use of personal data in analytical and AI application scenarios can create tremendous value. At the same time, companies must ensure that data protection and privacy compliance is maintained with legal and internal regulations. SAP HANA data anonymization offers state-of-the-art anonymization techniques that have proven to be effective in implementing the requirements during extensive scientific research by SAP Research. Examples of this are generalization (k-anonymity) or the addition of mathematical noise (l-diversity) to prevent a natural person from being identified on the basis of their data. In this session, you'll learn how companies can use SAP HANA data anonymization to effectively protect personal data and meet the requirements of the European Union's General Data Protection Regulation and other regulations.

C3
●●
Use cases for SAP Tax Compliance outside the traditional finance and tax area

The Performance Management team provides management in the consulting area of SAP with high quality utilization data of employees. With SAP Tax Compliance, we have found a suitable tool for carrying out a semi-automated quality check of activity recording, which was previously processed in a multistep manual process using Excel tables with macros. Our team was the first to use Tax Compliance SAP internally for a non-tax-related application two years ago. Meanwhile, other areas have followed.

Let's take a look at the development, challenges and successes of this project.

C4
●
Enhanced protection of business-critical data at SAP UI level

The special protection of mission-critical data is becoming increasingly important and quickly leads to highly complex requirements for SAP authorization management. In this presentation, we present an option for adjusting system output and making data use traceable, and how this also protects critical data better and simplifies the authorization setup.

C5
●●
Information Security Compliance Management for Intelligent Entreprise

This session offers an overview of the concept (Information Security Compliance Management) and tools (GRC Solutions) used for adopting a proactive approach to manage information security compliance along with a roadmap to leverage the integration and automation capabilities within GRC Solutions to set-up a Three Lines of Defense strategy to achieve the next level of maturity in context of managing risk and compliance. Using few concrete examples addressing different layers of security (e.g. platform, network, application, user) you will get a walkthrough demonstrating an integration scenario between SAP Process Control and Solution Manager / FRUN to get an overview of key functionalities offered by SAP PC namely automated monitoring and testing; strong accountability structure, compliance report and dashboard etc.

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Lectures at a glance

D   Cross-Topics & Lecture Repetitions

D1 ●●	**Secure by default**	When it comes to IT security, it is often discussed whether security should be prioritized higher than business requirements or vice versa. However, the assumption that security against business requirements needs to be prioritized is outdated. Stable system operation and effective security configuration are not mutually exclusive but complementary to professional and stable system operations in which the business processes can be mapped securely. This presentation shows how the delivery of secure standard configuration increases system security while minimizing the influence on the business processes.
D2 ●	**Transparency challenges for authorization concepts and compliance requirements in SAP BW/4HANA**	On the one hand, data is increasingly being protected against unauthorized access from the outside; on the other hand, granular checks are lacking in data lakes. However, when it comes to legally binding requirements such as annual financial statements, data quality has the highest priority. For personal data, restrictive access protection is mandatory for data protection reasons alone. Data Warehousing in SAP will only become broader and more agile. Depending on the scenario, requirements can be implemented both with traditional BI tools and natively. In this context, hybrid scenarios are gaining in importance. This in turn poses a challenge to transparency for authorization concepts and compliance requirements.
D3 ●●	**Paving the way to Zero Trust**	In response to the pandemic outbreak, enterprises have been forced to move their business processes to the cloud at an accelerating pace due to expanding digitization, and the rapid growth of the remote workforce. Moving nearly all business-critical processes to the cloud poses a significant risk of data breaches or ransomware attacks. Trust is the foundation for internal and external collaboration and partnership. As these capabilities become more critical creating value for a business, our understanding of trust must change dramatically. Zero Trust is the main concept "never trust, always verify" to help organizations better respond to increasing threat and manage their IT environment.
D4 ●●	**Implementing SAP Fiori in SAP S/4HANA: Tools for Content Management and Layout Structuring**	In SAP S/4HANA on-premise projects, the activation of SAP Fiori and the customisation of SAP Fiori Launchpad content used to require a large number of manual and time-consuming tasks. Task lists for the activation of SAP Fiori and the SAP Fiori Launchpad Content Manager help to automate these tasks and to provide the content of SAP Business Roles faster. The customisation of customer-specific SAP Fiori Launchpad catalogues is also greatly simplified. Finally, Spaces and Pages help to structure the layout on the SAP Fiori launchpad in a fast and easy manner.
D5 ●	**Customer Security Responsibilities in public cloud offerings from SAP**	This session takes a look into the security responsibilities remaining on customer side when adopting SAP Public Cloud solutions. The main focus is on products that can easily be compared with the on premise world, e.g. SAP S/4 HANA, SAP IBP, SAP HANA Cloud. General concepts and architecture will be discussed as well as a hands-on view on common security measures and how they are reflected in the products. No prior knowledge is required.

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Thank you.

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