

SAP Security and Controls Workshop

A seminar on SAP authorizations concepts, Segregation of Duties (SoD) and BASIS controls for auditors, BASIS administrators and other SAP users, who want to understand how security controls can be designed and audited in SAP.

SAP Security & Controls

Security and controls in SAP is a complex area and requires specialized knowledge and training. SAP provides highly granular and detailed security and controls functionalities, which can be configured as per organization's requirements.

Some of the key concepts in SAP security & controls are as follows:

1. **SAP architecture:** A typical SAP system is based on three-tier architecture. SAP provides flexibility in designing system landscape, which can be very complex for large organizations. SAP is compatible with all major hardware, OS, and database.
2. **Authorizations:** SAP authorization concept allows users to perform their work while securing transactions and programs from unauthorized access. It is a complex and scalable concept where approximately 2,000 authorization objects controls access to more than 100,000 transactions. The authorization components include user master records, roles (single and composite), profiles, authorizations, authorization objects and field values (activity, organization value, etc) and can be customized to organization's requirement.
3. **Segregation of Duties (SoD):** SoD ensures that no one individual has complete control over major phase of a process and is enforced through a combination of authorizations and mitigating controls.
4. **Profile parameters:** Profile parameters control various security functionalities such as password controls, session security, auditing, etc.
5. **Super users:** SAP is shipped with many default super users, which serve specific purpose. It is important to secure these users. In addition to changing default passwords, additional measures are required for some super users like SAP*.
6. **Auditing:** Auditing is an important tool and SAP provides multiple auditing options. Some of the auditing features are change documents, document flow, security audit logs, table logs, transaction usage logs, etc.
7. **Change management:** Client setting and transport path are important to control unauthorized changes in SAP. Client setting can help ensures that changes cannot be made directly in SAP production system.

The workshop covers all these concepts and more.

Why attend this workshop?

As more and more organizations use SAP to support their business processes, there is a growing need for SAP security & controls professional. Global demand for SAP security & controls professionals is increasing and this workshop is a big step in becoming one.

This SAP Security & Controls workshop covers various key concepts in SAP security & controls. This workshop aims to equip participant with in-depth understanding of key aspects of SAP security and controls. The workshop includes live demo and hands-on exercises to assist participant in applying the learning.

Some of the benefits of attending this workshop are as follows:

- Gain in-depth knowledge of SAP security and controls functionalities
- Simulate real life scenarios in dealing with security and controls issues in SAP
- Real-time demos and exercises to demonstrate key concepts
- Complementary SAP security & controls aids.



Mantran Consulting Pte Ltd provides end-to-end SAP security consulting services. Our services include *SAP authorizations design and review, pre- and post-implementation review, segregation of duties design and review, data migration assistance, SAP security & controls trainings, controls automation, continuous auditing/ monitoring, system stabilization & improvement, etc.*

About the trainer

Barun Kumar is the founder and a Director with MANTRAN Consulting Pte. Ltd. Before starting MANTRAN, Barun was an Associate Director with IT Advisory practice of KPMG LLP in Singapore. Barun has previously worked as an AVP with Technology Risk Services practice of EXL Service and as Manager with IT Advisory practice of KPMG in India.

Barun is an engineer, MBA, CISA, Appova Certified Professional (ACP) and ITIL v3 certified professional.

Barun has delivered many SAP trainings – both external trainings to corporate clients as well as internal trainings. The external training includes a large automobiles company in India, an engineering conglomerate in India and an airlines company in Singapore.

Barun has more than 9 years of experience (including more than 8 years with Big 4) in SAP security services and has performed SAP security projects in India, Singapore, South Africa, Belgium, France, Switzerland, UK and US.

Barun has designed and audited SAP authorizations, SoD and BASIS controls for many large companies.

Workshop modules

The workshop will primarily cover three areas – authorizations, segregation of duties and BASIS controls.

Module I: SAP authorizations and Segregation of Duties

Session 1	Setting the goals! Overview of SAP architecture and history of SAP Navigation tips and tricks SAP Organizational Structure
Session 2	Introduction to SAP authorization concepts – authorization objects, authorizations, roles & profiles and user master Overview of Profile Generator (PFCG) Designing user authorizations
Session 3	Important transaction, tables and reports for authorizations Native SAP tools and third party tools Demo and exercises
Session 4	Auditing user authorizations Demo and exercises
Session 5	Segregation of Duties Central User Administration Demo and exercises Wrap up and Q&A

Module II: BASIS Controls

Session 1	Information security aspects BASIS controls – basics (logical access, change management and computer operations)
Session 2	BASIS controls – advanced (audit logs, SNC, table security,

	transaction locking, etc) SAP security parameters Important Authorization Objects Auditing BASIS security controls – AIS and SUIM
Session 3	Demo and exercises Wrap up and Q&A

Deliverables

Apart from the SAP security and controls training slides, the participants will also receive the following complimentary deliverables:

- One-page SAP security flash card
- SAP R/3 Report Navigator tool (summary of various useful SAP reports in a HELP file format)
- SAP Table Reference tool (summary of various useful SAP tables and their interrelationship with hyperlinks between tables for easy navigation)

Participation certificate will be provided to all participants.

Note: SAP R/3 Report Navigator and SAP Table Reference are freely distributable third party tools.

Registration Details

Date: Please email at trainings@mantranconsulting.com for details

Course fee: SGD 1,600 per participant

Payment options: Payment can be made by crossed cheque to **Mantran Consulting Pte. Ltd.** or direct transfer to the following account:

Account Name: Mantran Consulting Pte Ltd

Bank Name: OCBC/ Bank Code: 7339/ Branch Code: 612

Swift Code: OCBCSGSG

Account Number: 612860379001

Cancellation and refund policy: Mantran Consulting Pte Ltd reserves the right to change the venue, date, speakers, and program or cancel the program. A full refund of fees will be made in the event of cancellation.

Disclaimer: The information given is only a summary and details may be omitted which may be directly relevant to a particular company. The information should therefore not be taken to be sufficient for making decisions.