

## SAP R/3 Security Syllabus

### 1.Introduction to ERP

What is SAP?

Brief history of SAP

### 2.SAP Architecture and BASIS overview

2 Tier and 3 tier Architecture

System Landscape

Necessity of 2, 3 and multi system landscape

Application Layer – Work Processes and Services

Work processes types and their functions

Services Types and their functions

### 3.Client Administration

Client Creation, Client Copy and Client Deletion

IDES and Non IDES Clients

### 4.Background job Administration

Background Job Scheduling

Background Job Monitoring

### 5.Transport Management system

Domain Controller

Transport routes and Layer

Types of Transport Requests

Transportation of roles

### 6.System Monitoring tasks

Work Process Monitor

Application servers monitoring

Lock Management

System Updates

System Log

## 7. R/3 Security

### Standard Authorization Concept

Auth Class , Auth Object, Fields and Values

Critical Authorization objects

Customizing Authorization concept – SU24

Upgrade – SU25

## 8. User Administration

User creation, modification & deletion

Assigning roles to user

User lock and Unlock

User Password parameters

Trouble shooting User access – SU53 & ST01

Mass user creation

Super Users

User Information system

User Buffer

SAP Tables related to UMR (User Master Record)

## 9. Role Administration

Types of roles

Role Creation – Single, Composite and Derived

Role modification – Single & Composite

Role deletion

Role transportation

Role assignment to user – Direct & Indirect

SAP Tables related to Roles

## 10. CUA – Central User Administration

Configuring CUA

Connecting & Disconnecting child system to CUA

Creating users and assigning roles using CUA

Troubleshooting CUA related issues.

#### 11.Implementation Phase

SU20 – Auth field Maintenance

Su21 – Auth Object Maintenance

SU22 & SU24 differences

SU25 – Security Upgrade concept

#### 12.Troubleshooting

Real time Scenarios & issues

SU53 & ST01

Tracing Authorizations

#### 13.Other Topics

User Comparison – PFUD

User Buffer – SU56

Locking Tcodes – SM01

Ticketing tools

TR creation

Process related to User, role maintenance

#### SAP Fiori Security Syllabus

1. Fiori Introduction
2. Fiori Implementation Strategy
3. Fiori Projects
4. Fiori Apps Library
5. Fiori Architecture
6. Fiori Launch Pad
7. Different Types of Fiori Apps
8. Hub model and Embedded Model – Design
9. Fiori Role design

10. Catalogs and Groups Concepts
11. Spaces and Pages Concept
12. Adding Catalog/Group/Pages/Spaces in role
13. Adding O Data services into the Roles
14. Creating custom Catalog and Groups
15. Troubleshooting Fiori Apps

#### SAP HANA Security Syllabus

1. HANA Overview
2. HANA Architecture
3. HANA Studio
4. SAP HANA Repository – Catalog Objects
5. SAP HANA Authentication and SSO
6. SAP HANA User Management
7. SAP HANA Authorizations – Different Privileges
8. Analytical Privileges – Design and Development
9. Data Protection and Privacy in SAP HANA
10. Auditing in SAP HANA Systems
11. Authorization Trace and Auditing
12. Life Cycle Management in SAP HANA DB – TMS

#### SAP GRC Access Control Syllabus

- 1 GRC Access Control Architecture
- 2 Post Installation Steps – Pre Checks
- 3 Connector Configuration – ABAP & JAVA Stacks
- 4 Connector Configuration
- 5 Sync Jobs

- 6 Access Risk Analysis – Introduction
- 7 SOD Risk – Action Level & Permission Level
- 8 Critical Action Risk
- 9 Critical Permission Risk
- 10 Risk Analysis Formats, Types, Levels
- 11 Risk Simulation
- 12 Risk Remediation
- 13 Risk Mitigation
- 14 Offline & Online Risk Analysis
- 15 SOD Rules upload & Download
- 16 EAM Configuration
- 17 EAM Support – FF ID Creation, FF ID Assignment
- 18 Difference between ID based & Role based FF
- 19 Difference between Centralized & Decentralized FF Concepts
- 20 BRM – Introduction
- 21 Methodology Process and Steps, Role Imports
- 22 Business Role Concept
- 23 ARM – Introduction
- 24 User Provisioning Configuration – Request Types, Number Ranges
- 25 User Provisioning Configuration – Provisioning Settings
- 26 MSMP Workflow Configuration – Process IDs, Rules, Paths
- 28 Customizing Initiator Rule using BRF+ Application
- 29 Workflow Testing, Troubleshooting Workflow issues
- 30 Extra Topics