



SAP ABAP ON HANA

(Course Content)

S.No.	Session Name	Session Outline
1	ABAP Workbench Basics	1) The SAP portfolio
		2) SAP Netweaver
		3) Navigation
		4) Communication and Integration Technologies
2	ABAP DATA Dictionary	1) Transparent tables
		2) Data Types, Domains
		3) Changing tables
		4) Views
		5) Structures
		6) Maintenance Dialogs
		7) Search helps
3	ABAP Open SQL, Program Calls & Memory Management, Code Inspector, Modularization	1) ABAP SQL
		2) Selection screens
		3) Memory Management
		4) Code Inspector - SE30
		5) Analyzing programs in Debugging Mode
		1) Basics
		2) Subroutines
		3) Function Modules
		4) BAPI'S



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4	Elementary Data Objects, Report	1) Data Declaration 2) Report Events 3) Selection Screen, Validations & consistency checks 4) Overview of Classical and Interactive reports and query handling + OPEN SQL 5) Reading DB Tables 6) Retrieving Data, performance in table accessing 7) Simple , Interactive and ALV Report 8) Subroutines 9) Function Modules 10) Memory Management 11) Code Inspector - SE30
5	Module Pool / Dialog Programming	1) Screen Programming 2) Interface 3) Screen Elements 4) I/P 5) O/P 6) Sub screens 7) Tab strip Controls 8) Introduction to LUW concepts
6	BDC	1) Data transfers Modes (Call transaction & Session) 2) Uploads within SAP and across SAP 3) File based BDC 4) Conversion Program
7	Smart form	1) Layout 2) Main window 3) Auxiliary nodes 4) Adobe form



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8	OO ABAP	1) Introduction 2) Class and Objects 3) Methods 4) Constructor 5) Inheritance 6) Interface 7) Friendship between classes 8) Events 9) Error Handling
9	Enhancements & Modifications	1) User Exits 2) Customer Exits 3) BADI's 4) Enhancement Framework
10	Transportation Management	1) Correction and Transport System 2) Transport Organizer 3) Workbench Request 4) Task Creation 5) Merging Requests 6) Release Requests 7) Miscellaneous Topics
11	WebDynpro ABAP	1) WD Overview, UI elements and usage. 2) Basic WD components (Controllers, Assistance class, Lead selection, supply function etc.) 3) Navigation, Call external & session windows (popup's), Message handling. 4) Service call. 5) Component usage, ALV usages.



Module 1: BTP Introduction, Use Cases, and Configuration

-  Overview of SAP Business Technology Platform (BTP)
-  BTP Architecture and Services
-  Global Accounts, Subaccounts, and Spaces
-  BTP Use Cases (App Development, Integration, Analytics)
-  Setting up a BTP Trial Account

Module 2: SAP RAP (Restful ABAP Programming Model)

-  Introduction to RAP
-  RAP vs Traditional ABAP Programming
-  RAP Architecture: Data Modeling, Behavior, and UI
-  Creating CDS Views and Behavior Definitions

Managed Scenario in RAP

-  What is a Managed Scenario?
-  Lifecycle Managed by Framework
-  CRUD Operations via Annotations
-  Fiori Elements Integration



Founder & CEO

ROHELA KHAN

Solution Architect/Trainer/Blogger/Story
Teller in SAP EWM/ Yard Logistics/TM

Unmanaged Scenario in RAP

-  What is an Unmanaged Scenario?
-  Custom Business Logic Implementation
-  Handling Complex Transaction Logic
-  Service Definition and Binding
-  Fiori Elements and RAP Integration

Module 3: ABAP on HANA

-  Introduction to ABAP for HANA
-  Code-to-Data Paradigm
-  Optimizing ABAP Code for HANA
-  Using New ABAP Syntax
-  Performance Tuning with HANA
-  Native SQL vs Open SQL

Module 4: Eclipse Configuration and Debugging Techniques

-  Installing and Configuring Eclipse for ABAP
-  Connecting Eclipse to SAP Systems
-  ABAP Development Tools (ADT) Features
-  Breakpoints, Watchpoints, and Variable Inspection
-  Debugging CDS Views and AMDP



Module 5: CDS Views & AMDP

-  Introduction to Core Data Services (CDS)
-  CDS Annotations and Associations
-  Consumption Views and Extending CDS
-  AMDP Basics and Use Cases
-  Writing and Calling AMDP Methods
-  Performance Considerations in CDS & AMDP

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