



Hiranya Garbha Consultancy

SAP ABAP Training Curriculum



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WHAT IS ABAP?

- Logon to SAP Environment
- Transaction Codes
- Multitasking Commands
- Comments
- Errors
- ABAP/4 Editor (SE38)
- Steps for Creating a Program
- Elements in R/3 Screen
- Output Statements
- Operators in ABAP
- Data, Parameter & Constant Statements
- Data Types & Classification
- Data Objects & Classification
- Text Elements
- String Operations
- Control Statements
- Field strings

ABAP DICTIONARY

- ABAP Dictionary Introduction
- Data Dictionary Functions
- Data Dictionary Objects
- Data Base Tables
- Structures
- Views
- Data Elements
- Type Groups
- Domains
- Search helps
- Lock objects
- Primary Key And Foreign Key
- Table Maintenance Generator

SAP ABAP PACKAGES

- Creating a package
- Difference between local objects & packages
- Transferring local objects to packages

SAP ABAP VARIANTS

- Variants Introduction
- Creating variants in ABAP Editor & Data Dictionary

SAP ABAP MESSAGE CLASSES

- Message Class Introduction

- Message types
- Calling message class in Report & Dialog programs

SELECTION SCREEN INTRODUCTION

- Parameter Statement
- Select-options Statement
- Selection-screen Statement
- Screen table and its fields
- Dynamic screen modification by using Modif Id key

SAP ABAP OPEN SQL STATEMENTS

- Select
- Insert
- Modify
- Update
- Delete

SAP ABAP INTERNAL TABLES

- Types of Internal Tables
- Declaring Internal Table
- Populating Internal Table
- Processing Internal Table
- Initializing Internal Tables
- Inner Joins And For All Entries
- Control Break Statements

DEBUGGING TECHNIQUES

- Debugging Techniques Introduction
- Break-points (Static & Dynamic)
- Watch points and call stack
- Dynamically changing internal tables contents in Debugging Editor
- Options to step through the program in Debugging Editor

SAP ABAP MODULARIZATION TECHNIQUES

- Modularization Techniques Introduction
- Includes
- Subroutines
- Passing Parameters to Subroutines
- Passing Tables to Subroutines
- Function Groups & Function Modules

SAP ABAP REPORTS

- Reports Introduction
- Classical Reports
- Interactive Reports
- Techniques Used For Interactive Reports Hotspot, Hide, Get Cursor
- ALV Reports
- Interactive ALV Reports
- Saving Report Output to PDF
- OOPs ALV
- SAP Query

DIALOG / MODULE POOL PROGRAMMING/ TRANSACTIONS

- MPP Introduction
- Relationship between Screen, Flow Logic and Program
- Screen Painter, Menu Painter
- Creating Transaction Codes
- Flow Logic Events
- Process Before Output (PBO)
- Process After Input (PAI)
- Process On Value Request (POV)
- Process On Help Request (POH)
- Include Programs in MPP
- Dynamic Screens
- Leave Screen
- Leave to Screen
- Call Screen, Set Screen
- Processing of List from Transaction Elements in Screen Layout
- Table Controls
- Tabstrip Controls
- Subscreens

SAP ABAP OOPS CONCEPT TRAINING

- Object Oriented ABAP Overview
- Defining a Class
- Implementing a Class

- Encapsulation and Implementation Hiding
- Object Initialization and Cleanup
- Inheritance
- Polymorphism
- Dynamic Method Call Binding
- Interfaces
- Interface Inheritance Vs Implementation Inheritance
- Inheritance Vs Composition

SAP ABAP BATCH DATA COMMUNICATION

- BDC Introduction
- Recording
- BDC Methods
- Call Transaction Method
- Session Method
- Handling Table Controls in BDC

LEGACY SYSTEM MIGRATION WORKBENCH(LSMW)

- Flat file creation
- Uploading data
- File Handling
- Application Server
- Presentation Server

SAP ABAP SCRIPTS

- SAP Scripts Introduction

- Components of SAP Scripts
- Layout Set
- Standard Text
- Out Put Program
- Modifying Standard SAP Script Layouts
- Including Logos
- SAP Script Utilities – Upload / Download

SMART FORMS

- Smart Forms Introduction
- Graphics Management
- Style Maintenance
- Paragraph Formats
- Character Formats
- Writing print program and designing layouts

RUNTIME ANALYSIS & SQL TRACING CROSS APPLICATIONS

- Introduction to Distributed Environment
- Introduction to Cross Applications

RFC

- Introduction to RFC
- Creating RFC Destination between 2 Systems
- Creating Remote Enabled Function Modules
- Creating program using Remote Enabled Function Modules

ALE

- ALE Basics

- Overview of Outbound & Inbound Process
- Configuration Steps
- Define logical systems
- Assign client to logical system
- RFC destination
- Customer distribution model
- Creating Ports

IDOCs

- What is an Idoc?
- Types of Idocs
- Basic Idocs
- Extension Idocs
- Creating Idocs
- Message Types
- Assigning Idoc type to Message type

EDI

- EDI Basics
- Difference between ALE & EDI
- Overview of Outbound & Inbound Process
- Configuration Steps
- Port Creation
- Partner Profile Creation

SAP ABAP BAPIS

- BAPI Overview
- Creation of BAPI
- Finding Standard BAPIs
- Enhancing Standard BAPIs

SAP ABAP USER EXITS

- User Exits Overview
- Finding and Implementing User Exits
- Customer Exits Overview
- Finding and implementing Customer Exits
- Types of Customer Exits
- Field Exit
- Screen Exit
- Function Exit
- Menu Exit

SAP ABAP BADIS

- BADIs Overview
- Defining a BADI
- Implementing a BADI
- Enhancement Points
- Explicit and Implicit Enhancements

SAP ABAP MISCELLANEOUS TOPICS

- Correction & Transport request (CTS)
- Transport Organizer

- Work Bench Request
- Task Creation
- Release Objects
- SAP Memory & ABAP Memory
- Logical Database